

2018 - 2023 SIX YEAR CAPITAL PLAN

North Slope Borough, Alaska



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The 2018 6-Year Capital Plan has been developed from several sources:

1. Projects recommended for funding by the CIP Policy Review Committee and the Planning Commission are the basis for the first year (2018) in the Plan.
2. Previously approved projects that were identified as “phased” have the subsequent phases budgeted in the Plan.
3. The NSB Repair & Replacement Schedule has been used to calculate the remaining useful life of all of the Borough’s building, equipment and infrastructure assets. This comprehensive database is used to forecast when capital upgrades are necessary by comparing the estimated useful life of an asset and its many parts to their installation dates.

**NORTH SLOPE BOROUGH PLANNING COMMISSION
RESOLUTION 2018-10**

**A RESOLUTION RECOMMENDING THAT THE NORTH
SLOPE BOROUGH ASSEMBLY APPROVE THE 2018
CAPITAL IMPROVEMENTS PROGRAM**

WHEREAS, North Slope Borough Municipal Code (NSBMC) § 19.30.050(B) requires the North Slope Borough Planning Commission (Planning Commission) to annually review the Borough's Capital Improvements Program (CIP) and submit its recommendations on the plan to the Assembly; and

WHEREAS, pursuant to NSBMC 3.15.010, the Capital Improvements Program consists of a six-year plan that includes the projects in the capital budget, outlines proposed capital projects for the following five years and provides a summary of unfinished capital projects; and

WHEREAS, the Department of Planning and Community Services developed a proposed 2018 six year capital plan based on projects proposed by Borough departments and each North Slope community; and

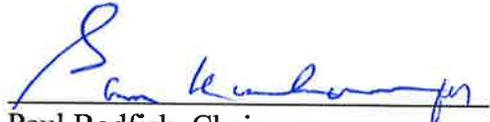
WHEREAS, on May 31, 2018, the Planning Commission considered said plan during its Regular meeting.

NOW THEREFORE BE IT RESOLVED:

The North Slope Borough Planning Commission recommends that the North Slope Borough Assembly approve the Capital Improvements Program attached as Exhibit 1.

THAT a copy of this Resolution be forwarded to the North Slope Borough Clerk.

INTRODUCED: 5/31/18
ADOPTED: 5/31/18



Paul Bodfish, Chairman
Date: 5-31-18



Caroline Cannon, Clerk
Date: 5-31-18



2018 6-Year Capital Improvement Plan

2018-10 Recommended Projects & PARs

- AKP 2nd Drinking Water Well, \$2,305,000
- AKP Airport Lighting Controls, \$1,870,000
- AW Street Lighting, \$40,000 for AKP
- Approved PAR: New AKP subdivision

2018 City Council Priorities

1. Water/Sewer
2. Subdivision
3. Daycare/Youth Center/Multi-purpose Building
4. Demolition of Abandoned Buildings
5. Road to the Church and Museum for Fire Safety

Anticipated Capital Needs

- Airport: fencing and snow removal equipment
- Subdivision development
- Snow fence repair and upgrade
- Rock crusher for gravel acquisition
- The NSB Administration Building/Public Works building replacement facility
- New school bus

Status of Major Projects

- Gravel shortage has delayed construction on AKP museum access road
- The design for 17 new water & sewer connections is complete but there is not funding for construction
- The sewage lagoon is nearly complete pending a survey to confirm that it was built according to plans
- The leach field is complete
- Generator repairs and overhaul are ongoing
- The design for power plant upgrades is ongoing
- New generation LED street light fixtures have been ordered
- Design for waste heat loop upgrades is ongoing
- Housing modules that will be used as itinerant housing have arrived in the village. The site where they will be placed needs works. These modules will free up existing homes currently being utilized by NSB Public Works Department for use by the community

Anaktuvuk Pass Comprehensive Plan Select Capital Needs

- Connect homes to existing utility system
- Research alternative energy feasibility
- Dust control
- Address housing overcrowding/construct additional homes
- Retrofit homes for energy efficiency
- Install restrooms for weekend/holiday use at the airport
- Replace Public Works building
- Develop recreational facilities, including outdoor ballfield, indoor facility for youth and indoor playground
- Relocate NSB Administrative Office
- Upgrade and expand City Hall building
- Evaluate potential contamination at former power plant
- Demolish former teacher housing duplex

Anaktuvuk Pass





2018 6-Year Capital Improvement Plan

2018-10 Recommended Projects & PARs

- AW Street Lighting, \$40,000 for ATQ
- Approved PAR: ATQ Natural Gas Development

2018 City Council Priorities

1. Water/Sewer Connections for Off-Grid Homes
2. Rock/Gravel Source Survey and Study
3. Gravel for Airport and Water/Sewer Connections
4. Improved Water Deliver
5. Natural Gas Development Analysis

Anticipated Capital Needs

- Major upgrade to the power plant
- Waste heat loop upgrade
- Road to Utqiagvik
- Airport resurfacing

Status of Major Projects

- Exploration and surveying for a gravel resource is ongoing
- A fire alarm system upgrade and video surveillance system addition for Meade River School is ongoing
- The design for additional water and sewer connections is complete
- New water and sewer connections are delayed until the results of the Kaktovik wastewater treatment plant fixed media process improvements project are ready to determine if this is a viable option for Atqasuk or the treatment plant will require an expansion prior to extending the distribution system
- The design for the airport rehabilitation is underway
- New generation LED street light fixtures have been ordered
- The design to upgrade the truck loading rack is complete and construction will begin this summer
- NSB facilities fire protection system upgrade is ongoing
- New itinerant housing will be ready for occupancy soon, freeing up existing homes currently being utilized by NSB Public Works Department
- Gravel delivery is being coordinated with the airport rehabilitation project
- ICAS and NSB are partnering to address village concerns on the cemetery road project

Atqasuk Comprehensive Plan Select Capital Needs

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| <ul style="list-style-type: none"> • Develop Atqasuk Transmission Line • Upgrade roads to both cemeteries • Rehabilitate existing vacant housing • Construct new homes • Continue evaluation of local material source | <ul style="list-style-type: none"> • Playground equipment upgrade / replacement • Develop a teen center / senior center • Develop a daycare facility • Develop a washeteria with showers |
|--|--|

Atqasuk





2018 6-Year Capital Improvement Plan

2018-10 Recommended Projects & PARs

- AW Street Lighting, 150,000 for KAK
- AW Dumpster Replacement, \$133,333 for KAK
- Power Distribution Grid Upgrades Ph II, \$1,200,000
- Approved PAR: KAK New Search & Rescue facility

2018 City Council Priorities

- | | |
|--|---|
| 1. Museum | 5. Utilidor Upgrades |
| 2. Airport Terminal (<i>NSB PW will implement</i>) | 6. Bear-Resistant Dumpsters (<i>2018 Funding</i>) |
| 3. Search & Rescue Building (<i>2018 PAR approved</i>) | 7. Culverts/Drainage |
| 4. Streetlights near Playground (<i>2018 Funding</i>) | |

Status of Major Projects

- Water tanks repairs are in design
- New technology to address the wastewater treatment plant's capacity is ongoing
- The new power plant is under construction
- The KIC tank farm pad remediation is expected to be completed this year
- New Public Works itinerant housing is complete and ready for occupancy, freeing up homes for community use
- Waste heat loop upgrade design will begin this year

Anticipated Capital Needs

- Snow fences
- Recreational / multi-purpose facilities
- Coastal erosion mitigation
- Old airport site remediation
- Increase gravel stockpile reserve
- Landfill containment improvements
- Year-round water pumping source

Kaktovik Comprehensive Plan Capital Needs

Goal 5: Continue to improve utilities, infrastructure, and facilities for resilience. Employ feasible alternative energy sources. Protect and preserve fresh water source.

1-5 Year Capital Needs:

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| <ul style="list-style-type: none"> • Monitor and overcome permafrost subsidence impacts to facilities and infrastructure • Upgrade sewer system capacity (<i>work is in progress</i>) | <ul style="list-style-type: none"> • Upgrade Power Plant (<i>work is in progress</i>) • Evaluate wind power generation (<i>in design</i>) • Develop a non-impactful snow dump site • Improve street lighting (<i>recently completed</i>) |
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Photo: www.alaskajournal.com

2018 6-Year Capital Improvement Plan

2018-10 Recommended Projects

- NUI Water Lake Road Crossing Ph I Design, \$294,000
- NUI H2S Gas Scrubber, \$3,900,000
- Nuiqsut Power Plant Upgrade Phase II, \$4,000,000
- AW Sewage Lagoon Upgrades, \$300,000 for NUI
- AW Street Lighting, \$40,000 for NUI
- NUI Heavy Equipment Replacement and Upgrade, \$205,000
- Nuiqsut Health Clinic Ramp Upgrade, \$1,106,000

2017 City Council Priorities

1. Freshwater Lake Road Improvement (*ongoing*)
2. Nuiqsut Clinic Upgrade
3. Airport Runway Upgrade (*gravel haul is complete. Scheduled for construction during summer 2018*)
4. Natural Gas Hook-ups on New Houses – Nuatagmiut (*funded in 2017*)
5. Public Access Roads Upgrade

Anticipated Capital Needs

- Bridge replacement near the boat launch is needed
- Road resurfacing is needed throughout the village

Status of Major Projects

- Trapper school roof replacement is complete
- Replacement sewer line heat trace is being installed for the power plant lateral
- Airport lighting rehab is complete
- Full funding is provided for power plant upgrade
- Waste heat loop upgrade design will begin this year
- Power distribution grid upgrades are ongoing
- New generation LED street light fixtures have been ordered
- Natural gas pipeline repairs are near completion
- The design to upgrade the truck loading rack is complete and construction will begin this summer
- Public Works Building replacement is currently in design but lacks construction funding
- The new water and sewer below ground connections are complete and the above ground connections are nearly complete
- A new sludge dewatering press has been installed
- The itinerant housing modules have arrived in the village and will be installed when the location is selected

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2018 6-Year Capital Improvement Plan

2018-10 Recommended Projects

- Pt Hope Coastal Erosion Phase I, \$917,000
- AW Dumpster Replacement (BRW, KAK, PHO), \$133,000 for PHO
- AW High Efficiency Lighting and Facility Controls (PHO & AIN), \$275,000 for PHO
- PHO Heavy Equipment Replacement and Upgrade, \$817,000

2018 City Council Priorities

- | | |
|-----------------------------|---|
| • Erosion (2018 Upfund) | • New dumpster (Funded) |
| • Evacuation | • Structural integrity of NSB facilities |
| • Transportation | • Water and sewer repairs (Ongoing) |
| • Heavy Equipment (Ongoing) | • Boat ramp both north and south sides |
| • Clinic (PAR complete) | • Property acquisition emergency shelter on higher ground |
| • Washeteria | • Airport restroom |

Anticipated Capital Needs

- | | |
|---|--|
| • Landfill relocation farther from the village | • Sewer mainline clean-out upgrades |
| • Continued water storage tank upgrades | • Erosion protection / Evacuation road |
| • The old NSB Search & Rescue building needs upgrades | • Secondary water source |

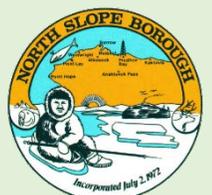
Status of Major Projects

- The sewer main line upgrades are nearly complete
- Four homes and the Senior Center bus garage have been connected to water and sewer system
- Road repaving design ongoing (coordinate with airport project in 2019)
- Geotechnical exploration to identify rock/gravel source is complete
- The alignment of existing power poles was completed and new generation LED street light fixtures have been ordered
- Housing modules for new itinerant housing have been delivered to PHO
- Tikigaq School renovations and gymnasium are complete
- Water tank repainting work is beginning
- The vacuum station upgrade is complete
- A new sludge dewatering press has been installed

Point Hope Comprehensive Plan Select Capital Needs

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| • Assess feasibility of airport relocation | • Additional recreational facilities, including ball field, meeting places, teen center, playgrounds, removable docks |
| • Construct evacuation road | • Repair needed for community facilities: Health Clinic, Senior Center, City Hall, PW Building, Tribal Office |
| • Address housing overcrowding | |
| • New water source location | |
| • Seek gravel source (geotechnical work is complete) | |
| • Research alternative energy feasibility, especially wind (in design) | |

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2018 6-Year Capital Improvement Plan

2018-10 Recommended Projects

- PIZ WWTP Septage Receiving Station Phase II, \$5,047,000
- AW Street Lighting (AKP, ATQ, NUI, PIZ), \$150,000 for PIZ

2018 Tribal Council Priorities

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Permanent water source (<i>PAR complete</i>) 2. Housing (itinerant housing is ongoing) 3. Gravel haul: dredging for gravel 4. The placement of 4 or more power poles/streetlights – the road to the beach/boat dock is dark; polar bears are often seen at the boat area and the 900 block (<i>2018 funding</i>) 5. Renewable Resources 6. Road to the Airport (emergency road) 7. Childcare 8. Washeteria - #1 Priority project but water/sewer issues plague the community (<i>NSB PW is addressing this issue</i>) 9. Floating Fuel Line (PAR) – this would replace the Crowley fuel shuttle barge and allow the Pt. Lay fuel to be delivered in day rather than weeks 2016 FALL (<i>completed by Crowley</i>) | <ol style="list-style-type: none"> 1. School cafeteria (<i>High priority in NSBSD 6 Year Plan</i>) 2. Playground 3. Senior housing 4. Water/Sewer System Replacement – install sewage holding tanks until new system is installed (<i>Ongoing</i>) 5. Warm storage for airport 6. Waste heat, NSB facilities 7. Weatherization 8. Evacuation Building 9. Post office |
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Anticipated Capital Needs

- The water storage tank needs a roof replacement, insulation, and recoating
- Electrical metering upgrades are needed
- Replacement for dump truck is needed
- Structural piling improvements due to subsidence
- Auger truck with 30 ft. pile depths
- An alternative above-ground water & sewer system

Status of Major Projects

- Residential sewage tank installation is ongoing
- The wastewater treatment plant is funded to accept trucked sewage at the plant
- The community drainage design PAR is nearly complete
- New bleachers are being purchased for Kali School
- The sewage lagoon outfall upgrade is in construction and expected to be completed in summer 2018
- The fire station floor upgrade is awaiting construction funding
- Water Plant SCADA system upgrade is ongoing
- Landfill snow fence construction is underway
- Alternative water and sewer delivery system is undergoing analysis
- New housing modules to be used for itinerant housing should be on the barge this summer. The new itinerant quarters will free up existing homes currently being utilized by NSB Public Works Department
- The sewage lagoon upgrade project is funded
- Analysis of using silt to protect ice rich soils is ongoing in lieu of gravel is ongoing

Point Lay Comprehensive Plan Select Capital Needs

- Abandon wastewater system as needed and install individual holding tanks
- Street lighting to boat ramp / dock (*2018 funding*)
- Fix and maintain areas of subsidence that have affected roadway
- Renovations for older homes and home weatherization improvements
- Gravel source investigations and assess gravel stockpile
- Develop outdoor ballfield
- Reopen washeteria
- Develop a childcare facility

Point Lay





2018 6-Year Capital Improvement Plan

2018-10 Recommended Projects & PARs

- Iļisagvik College New Facility Design, \$1,000,000
- BHS Renovation and Addition, \$8,000,000
- Barrow Coastal Erosion Mitigation, \$2,000,000
- Gaswell Rd Upgrade Phase I, \$100,000
- Barrow Utilidor System Upgrades, \$3,672,000
- BRW Landfill Phase V Development, \$4,935,000
- AW Dumpster Replacement, \$133,333
- BRW Heavy Equipment, \$935,000
- BRW Upfund Heavy Equipment, \$360,000
- BRW Shop III Upgrade/Upgrade wall in TOS, \$500,000
- Facility Upgrades - Door Access Controls/Locking System, \$150,000
- Walakpa Pig Launching & Receiving Facility Phase I, \$1,500,000
- IHC Ramp Entrance Replacement, \$88,000
- Shipping & Receiving Video Surveillance Upgrade, \$135,000
- Approved PAR: BRW Gas Field ESD and SIS Systems
- Approved PAR: East Field Liquids Disposal Flare BGF East Field
- Approved PAR: CYS Expansion
- Approved PAR: Pumphouse Enclosure for BRW Bulk Tank Farm Facility

Status of Major Projects

- The design for the NARL gas line main and distribution system upgrades is nearly complete; there are not funds for construction
- Construction of the new Search and Rescue hangar is nearly complete
- Barrow Landfill Cell II is in use; cells III and IV are in development
- Pump Station 4 lift station upgrades to prevent flooding are nearly complete
- The new video surveillance system at Ipalook School is complete
- The new video surveillance system at Hopson Middle School video is partially installed
- The gymnasium lighting at Hopson Middle School will be replaced soon
- Barrow Gas Field microturbines is funded for construction and will begin after a contractor is selected
- The first phase of construction of Tom Gordon Expressway/Uivaqsaagiaq Road is underway; wetland remediation of abandoned power poles has been completed. Additional funds will be necessary to complete the road
- Power poles have been installed along the Yugit Street extension
- Nunavaak Road upgrades have not begun
- A new fire engine should arrive this summer
- A new Public Safety Facility is the design phase
- A new Behavioral Health Facility is in design
- A new Wildlife Facility has been designed but is funded for construction
- All required soil remediation at Southpad has been completed

Anticipated Capital Needs

- Ipalook Elementary School and Hopson Middle School are both in need of major maintenance upgrades, including playgrounds
- Nunavaak and Gas Well roads need major upgrades
- Additional water and sewer connections are needed
- A NSB consolidated administrative facility will be needed
- A seawall for erosion control is needed
- A new NSB Wildlife facility (*design is complete*)

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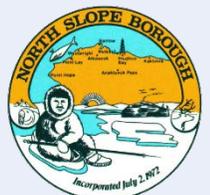




Photo: Olgoonik.com

2018 6-Year Capital Improvement Plan

2018-10 Recommended Projects & PARs

- Alak School Renovations, \$2,740,000
- AIN Water Treatment Plant Upgrade, \$175,000
- Power Distribution Grid Upgrades Ph II, \$1,200,000
- High Efficiency Lighting and Facility Controls, \$275,000
- AIN Heavy Equipment Replacement/Upgrade, \$270,000
- AIN Public Works Facility Ph II, \$13,772,000
- Approved PAR: Wainwright Drainage Study
- Approved PAR: AIN Seawall
- Approved PAR: AIN Tukpak Bar Access Road

2018 City Council Priorities

1. Upgrade School/New Gymnasium (2018 funding for school renovation)
2. New School Bus
3. Gravel Acquisition (2018 funding for AW gravel)
4. New Subdivision Gravel Upgrades
5. New NSB Public Works Building Water Plant & Power Plant (2018 funding for PW building; 2018 funding for water plant design update; power plan pending PW facility replacement schedule)
6. New NSB Water Plant
8. NSB Heavy Equipment Upgrade and Replacement - Snow Blower & Grader (2018 FAA/NSB funding)
9. Snow Fence Addition behind School
10. Completion of Panik Road New Subdivision
11. Seawall Project (2018 Approved PAR)
12. Multipurpose Building for Admin Office for City of Wainwright, NSB Mayor's Office (other NSB Department office space), Tribal entities, community gathering center, and daycare center

2018 Wainwright Steering Committee Priorities (duplicates of City Council Priorities are omitted)

5. Landfill (Funded in 2017)
6. Housing (Itinerant housing modules are being delivered to the village to return housing back to the community)
7. Communitywide Drainage and Culverts – Road Lifting
8. Childcare Center
10. Tapqaq Bar Access Road (2018 Approved PAR)
12. Airport Passenger Shelter (Terminal)
14. New School Bus
16. Wainwright as a Potential Mini/Major Hub

Status of Major Projects

- Repairs to water tank 4-1 are going to begin this summer
- Design upgrades to the water plant's SCADA system are underway
- BIA site remediation is short funded
- Heat trace repairs to both water and sewer systems are ongoing as needed
- A replacement PW facility is underway
- A new wastewater treatment plant lift station is in design phase
- A new sludge dewatering press has been installed
- A new snow fence for the landfill has been funded
- The new snow fence design is nearly complete
- The water storage tank upgrade design is complete but there are not currently capital funds for construction
- The sewage outfall pipeline construction upgrade is nearly complete
- The contaminated material from the truck loading remediation site has been backhauled to Utqiagvik for disposal
- New generation LED street light fixtures have been ordered
- Increased capacity and reconfiguration of the landfill is in design phase

Wainwright Comprehensive Plan Select Capital Needs

- Goal 1. Develop a cultural center and daycare center
- Goal 2. Potential airport relocation, docking facility and boat launch at Tupkak Bar Road
- Goal 3. Facility demolition recycling program, flag winter transportation routes for snowmachine travelers

- Goal 4. Develop multi-use facility, develop street lighting project
- Goal 5. Fiber optic upgrade

Wainwright





2018 6-Year Capital Improvement Plan

2018-10 Recommended Projects

- NSBSD Districtwide Infrastructure Improvements, \$2,000,000
- AW Water Systems Major Repairs, \$1,500,000
- AW Sewer Systems Major Repairs, \$1,000,000
- Areawide Power Grid Preservation, \$500,000
- AW Power Generation Upgrade, \$1,500,000
- NSB S&R Aircraft Replacement Parts, Upgrades/Refurbishment, \$738,000
- Areawide Water & Sewer Equipment, \$548,000
- AW Upfund Heavy Equipment and major repairs, \$360,000
- Light Duty Vehicles, \$750,000
- Areawide Computer and Server Replacement, \$400,000
- Areawide Office Machine Replacement, \$200,000
- JD Edwards Upgrade Phase 3, \$620,000
- Approved PAR: Curriculum Space Renovations and Ed Space Development

Areawide



Current Capital Improvements Financial Summary-Per NSBMC 11.040(a)(1)

CIP Financial Summary 2018-2023

May-14-2018

Project	Original Ord Date	Appropriation	Expended	Encumbered	Unencumbered Balance	2018-10 Funding	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
Total		\$1,036,961,694.00	\$794,692,196.81	\$70,731,008.41	\$159,843,684.63	\$74,999,000.00														
56000 Educational		\$109,852,000.00	\$84,341,824.33	\$8,116,468.71	\$14,062,842.11	\$13,740,000.00														
06-189 Trapper School Major Renovation	2008	\$6,065,000.00	\$6,011,761.97	\$54,558.46	\$58.39	\$0.00														
06-197 Meade River School Renovation	2014	\$15,019,000.00	\$6,830,399.98	\$706,114.08	\$7,482,485.94	\$0.00														
06-196 Kav School Gym Addition	2012	\$16,523,000.00	\$16,346,828.53	\$26,820.00	\$149,351.47	\$0.00														
06-192 Kali School Facility Renovation, Phase 1	2010	\$11,125,000.00	\$10,900,956.47	\$223,498.88	\$544.65	\$0.00														
06-195 Tik School Major Renovation	2012	\$40,642,000.00	\$35,271,298.96	\$3,868,048.67	\$1,502,652.37	\$0.00														
06-199 Barrow Learning Center Phase 1	2015	\$3,000,000.00	\$306,414.47	\$66,636.62	\$66,636.62	\$0.00														
06-200 Ipalook and HMS security Upgrades	2016	\$589,000.00	\$432,062.04	\$0.00	\$156,937.96	\$0.00														
06-201 District Wide Infrastructure Improvements	2017	\$7,720,000.00	\$5,825.29	\$3,010,000.00	\$4,704,174.71	\$2,000,000.00														
06-187 AW upgrades		\$9,169,000.00	\$8,236,276.62	\$160,792.00	\$0.00	\$0.00														
06-202 BHS Renovation Phase 1		\$0.00	\$0.00	\$0.00	\$0.00	\$8,000,000.00														
06-203 ALAK School Renovation Ph 1		\$0.00	\$0.00	\$0.00	\$0.00	\$2,740,000.00														
06-204 Ilisaqvik College New Facility Design Phase 1		\$0.00	\$0.00	\$0.00	\$0.00	\$1,000,000.00														
57000 Roads, Streets, Water Ways		\$130,218,980.00	\$102,338,074.10	\$9,992,835.82	\$17,851,694.42	\$3,311,000.00														
07-230 Plat and Survey DED Right of Way	old	\$614,000.00	\$302,368.13	\$234,094.16	\$77,537.39	\$0.00														
07-238 Area Wide Gravel Acquisition	2001	\$72,447,080.00	\$69,937,114.66	\$701,670.16	\$1,808,304.94	\$0.00														
07-239 Area Wide Snow Fence Upgrade	2002	\$7,703,000.00	\$3,930,118.24	\$1,473,012.33	\$2,299,869.43	\$0.00														
07-241 Area Wide Emergency Response	2002	\$6,064,000.00	\$4,445,369.35	\$102,638.91	\$1,515,991.74	\$0.00														
07-250 Area Wide Culvert Repair/Replacement	2006	\$710,000.00	\$576,718.51	\$500.00	\$132,781.49	\$0.00														
07-251 Barrow Artic Research Center Road	2007	\$12,712,900.00	\$6,821,716.03	\$5,585,005.36	\$306,277.24	\$0.00														
07-260 Barrow Road Improvements	2009	\$697,000.00	\$685,796.48	\$3,831.45	\$7,372.04	\$0.00														

█ Project Work

LOI = Letter of intent/Capital Reserve
2019A = Proposed Bond Sale for CIP Ordinance 2018-10

Current Capital Improvements Financial Summary-Per NSBMC 11.040(a)(1)

CIP Financial Summary 2018-2023

May-14-2018

Project	Original Ord Date	Appropriation	Expended	Encumbered	Unencumbered Balance	2018-10 Funding	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
09-134 Point Hope W&S Distribution System	2009	\$5,446,000.00	\$5,166,033.80	\$0.00	\$279,966.20	\$0.00														
09-137 Atkasuk W&S Connections	2010	\$1,050,000.00	\$871,362.53	\$0.00	\$178,637.47	\$0.00														
09-138 Nuiqsut W&S Connections Phase 2	2010	\$5,312,000.00	\$4,766,016.96	\$255,980.73	\$290,003.21	\$0.00														
09-142 New Residential W&S Connection	2011	\$1,750,000.00	\$1,565,115.29	\$159,884.59	\$25,000.12	\$0.00														
09-145 Wainwright Water Plant	2011	\$885,000.00	\$843,106.41	\$0.00	\$41,893.59	\$175,000.00														
09-148 Anaktuvuk Pass W&S Connections Phase 1	2012	\$750,000.00	\$466,261.77	\$262,653.00	\$21,385.23	\$0.00														
09-149 Area Wide Water Tank Protection Phase 1	2013	\$11,292,000.00	\$3,761,815.88	\$2,693,033.96	\$4,837,141.36	\$0.00														
09-150 Area Wide Water Plant SCADA System	2013	\$450,000.00	\$119,758.47	\$92,111.05	\$237,825.87	\$0.00														
09-151 Point Lay W&S Upgrade Phase 1	2015	\$485,000.00	\$26,674.98	\$0.00	\$458,325.02	\$0.00														
09-152 BUS Service Connection Upgrades	2016	\$1,040,000.00	\$14,229.14	\$28,735.61	\$997,035.25	\$0.00														
09-153 BUS SCADA System	2016	\$191,000.00	\$1,547.15	\$173,991.00	\$15,461.85	\$0.00														
09-154 Area Wide Residential Water Tanks	2016	\$508,000.00	\$3,593.49	\$0.00	\$504,406.51	\$0.00														
09-155 Area Wide Water Systems Upgrades	2017	\$2,000,000.00	\$1,852.29	\$0.00	\$1,998,147.71	\$1,500,000.00														
09-156 AKP Water Well		\$0.00	\$0.00	\$0.00	\$0.00	\$2,305,000.00														
60000 Sewer Systems		\$72,402,000.00	\$46,472,366.00	\$4,207,372.43	\$21,483,291.35	\$10,567,000.00														
10-104 Barrow Sewage and Disposal Treatment	2006	\$21,400,000.00	\$21,246,623.95	\$0.00	\$153,367.05	\$0.00														
10-106 Sewer Systems Major Repair Area Wide	2005	\$14,861,000.00	\$11,548,486.65	\$1,998,091.70	\$1,165,554.77	\$0.00														
10-107 Area Wide Sewage Tanks	2006	\$6,523,000.00	\$3,586,433.65	\$450,324.32	\$2,486,242.03	\$0.00														
10-108 Control Panel Upgrades	2010	\$1,400,000.00	\$1,094,944.02	\$31,494.12	\$273,561.86	\$0.00														
10-111 AW Sewage Lagoon PhIV	2013	\$6,105,000.00	\$764,259.65	\$13,196.76	\$5,237,543.00	\$300,000.00														
10-112 Area Wide Sewer Heat Trace Repair	2013	\$4,610,000.00	\$3,631,096.07	\$893,232.77	\$85,671.16	\$0.00														
10-113 Area Wide Vacuum Station Scada	2013	\$245,000.00	\$241,826.03	\$0.00	\$3,173.97	\$0.00														

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Current Capital Improvements Financial Summary-Per NSBMC 11.040(a)(1)

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Project	Original Ord Date	Appropriation	Expended	Encumbered	Unencumbered Balance	2018-10 Funding	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
10-114 AKP Secondary Leach Field	2014	\$946,000.00	\$645,677.31	\$45,007.91	\$255,314.78	\$0.00														
10-115 Kaktovik WWTP Permeate Piping Upgrade	2014	\$782,000.00	\$142,035.17	\$377,000.00	\$262,895.70	\$0.00														
10-116 Barrow WWTP Permeate Piping Upgrade	2014	\$384,000.00	\$383,999.13	\$0.00	\$0.00	\$0.00														
10-117 Point Hope Sewer Main Line Repair	2014	\$2,300,000.00	\$2,049,646.62	\$138,866.13	\$111,487.25	\$0.00														
10-118 AW Outfall Pipeline Upgrade	2014	\$2,032,000.00	\$467,645.95	\$233,941.12	\$1,330,389.18	\$0.00														
10-119 Point Hope Heat Trace Panel Upgrades	2016	\$1,000,000.00	\$40,093.15	\$350.00	\$959,556.85	\$0.00														
10-120 BUS Pump Station 5 Upgrades	2016	\$303,000.00	\$473.49	\$0.00	\$302,526.51	\$0.00														
10-121 Point Hope Vacuum Station Upgrade	2016	\$636,000.00	\$536,634.99	\$25,867.60	\$73,497.41	\$0.00														
10-122 Point Hope WWTP Upgrades	2016	\$1,000,000.00	\$473.49	\$0.00	\$999,526.51	\$0.00														
10-123 Area Wide Sewer Systems Upgrade	2017	\$1,000,000.00	\$473.49	\$0.00	\$999,526.51	\$1,000,000.00														
10-124 PIZ WWTP Receiving Station PH II	2017	\$5,000,000.00	\$1,514.56	\$0.00	\$4,998,485.44	\$5,047,000.00														
10-125 Barrow Utilidor System Upgrade	2017	\$1,875,000.00	\$90,028.63	\$0.00	\$1,784,971.37	\$3,672,000.00														
10-126 AW Water Sewer Equipment		\$0.00	\$0.00	\$0.00	\$0.00	\$548,000.00														
61000 Airports		\$90,655,000.00	\$72,748,631.15	\$7,748,325.41	\$10,095,213.74	\$1,870,000.00														
11-044 Area Wide Airport Upgrades	old	\$13,755,000.00	\$12,028,292.05	\$0.00	\$1,695,175.61	\$0.00														
11-058 NUI/AIN Airport Upgrades	2008	\$540,000.00	\$500,206.32	\$0.00	\$39,793.68	\$0.00														
11-060 New Barter Island Airport	2009	\$2,613,000.00	\$1,902,831.00	\$0.00	\$710,168.84	\$0.00														
11-061 ATQ/PIZ Airport improvement	2009	\$540,000.00	\$494,658.96	\$0.00	\$45,341.04	\$0.00														
11-063 Wainwright Airport Upgrade	2012	\$11,815,000.00	\$11,563,315.87	\$0.00	\$251,684.13	\$0.00														
11-064 Kaktovik Airport Relocation	2012	\$48,571,000.00	\$39,713,783.72	\$5,001,717.34	\$3,843,510.44	\$0.00														
11-065 Airport Snow Removal Equipment	2014	\$1,710,000.00	\$1,710,466.00	\$0.00	\$0.00	\$0.00														
11-066 Nuiqsut Airport Lighting Rehab	2016	\$9,764,000.00	\$4,322,897.69	\$2,295,619.88	\$3,145,482.00	\$0.00														

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11-067 Atqasuk Airport Rehabilitation	2016	\$1,047,000.00	\$512,179.54	\$450,988.19	\$64,058.00	\$0.00														
11-068 AW Airport Passenger Shelter PH 1	2017	\$300,000.00	\$0.00	\$0.00	\$300,000.00	\$0.00														
11-069 AKP Airport Lighting		\$0.00	\$0.00	\$0.00	\$0.00	\$1,870,000.00														
63000 Power/Fuel		\$122,573,113.00	\$79,788,624.92	\$13,894,115.09	\$25,381,870.34	\$14,220,000.00														
13-205 Area Wide Hazardous Material Disposal	old	\$8,821,000.00	\$8,176,076.07	\$355,521.37	\$287,969.25	\$0.00														
13-209 Area Wide Power Generation	old	\$19,209,000.00	\$17,637,886.89	\$0.13	\$1,567,829.48	\$0.00														
13-222 Area Wide Waste Heat Recovery	2000	\$8,763,000.00	\$6,498,231.06	\$551,152.15	\$1,713,616.00	\$0.00														
13-228 Area Wide Tank Farm Upgrades	2003	\$17,069,000.00	\$16,266,470.43	\$293,818.94	\$505,120.30	\$0.00														
13-233 AW Wind Generation	2005	\$1,142,988.00	\$405,393.94	\$0.00	\$737,594.45	\$0.00														
13-250 Area Wide Fuel Tank Systems Install	2008	\$2,884,000.00	\$2,583,983.05	\$0.00	\$300,016.95	\$0.00														
13-251 Area Wide Power Grid Preservation	2009	\$2,313,000.00	\$1,841,394.47	\$195,729.22	\$255,855.51	\$500,000.00														
13-252 ATQ Power Power Transmission line	2009	\$228,125.00	\$228,125.00	\$0.00	\$0.00	\$0.00														
13-258 V Power Distribution Grid Upgrade	2011	\$14,604,000.00	\$9,394,779.70	\$2,085,546.83	\$3,122,266.89	\$2,400,000.00														
13-260 NUI H2S Gas Scrubber	2011	\$5,100,000.00	\$2,063,603.43	\$2,654,422.53	\$378,674.04	\$3,900,000.00														
13-261 Fuel Tank Truck Load Rack	2011	\$5,122,000.00	\$3,135,564.68	\$12,000.00	\$1,973,941.00	\$0.00														
13-265 Area Wide Electrical Metering	2012	\$445,000.00	\$156,609.20	\$0.00	\$288,390.80	\$0.00														
13-266 New Nuiqsut Power Plant Upgrade	2012	\$5,972,000.00	\$1,567,321.59	\$156,749.46	\$4,216,444.55	\$4,000,000.00														
13-267 Kaktovik Power Plant Upgrades	2012	\$8,807,000.00	\$2,147,762.93	\$5,337,777.74	\$1,321,459.00	\$0.00														
13-268 Nuiqsut SCADA System	2013	\$109,000.00	\$103,422.75	\$0.00	\$5,577.25	\$0.00														
13-270 Area Wide Street Lighting	2013	\$616,000.00	\$330,688.06	\$100,806.33	\$184,505.61	\$420,000.00														
13-271 Nuiqsut Natural Gas Pipeline	2013	\$5,692,000.00	\$4,875,885.49	\$63,702.14	\$752,412.00	\$0.00														
13-272 Area Wide Fuel Spill Response Preparation	2014	\$1,100,000.00	\$476,725.11	\$26,000.00	\$597,274.89	\$0.00														

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13-273 Hazardous Material Containment	2013	\$83,000.00	\$69,776.63	\$0.00	\$13,223.37	\$0.00														
13-274 Barrow Marine Headquarters Relocation	2015	\$4,889,000.00	\$389,429.82	\$43,201.10	\$13,223.00	\$0.00														
13-275 NARL Natural Gas Pipeline Phase 1	2015	\$3,000,000.00	\$1,191,247.75	\$1,061,669.37	\$747,082.00	\$0.00														
13-276 Barrow Gas Fields Unified Upgrades	2016	\$940,000.00	\$39,859.56	\$0.00	\$900,140.00	\$0.00														
13-277 Barrow Gas Field Micro-Turbines	2016	\$5,000,000.00	\$183,727.48	\$0.00	\$4,815,933.00	\$0.00														
13-278 AKP Power Plant Upgrades	2016	\$664,000.00	\$24,659.83	\$429,293.60	\$210,046.00	\$0.00														
13-279 AW Power generation Upgrades	2017	\$0.00	\$0.00	\$526,724.18	\$473,275.00	\$1,500,000.00														
13-280 BGF Pig Launcher Ph 1		\$0.00	\$0.00	\$0.00	\$0.00	\$1,500,000.00														
64000 Public Safety		\$96,190,704.00	\$83,606,389.51	\$4,301,948.54	\$7,918,719.25	\$738,000.00														
14-106 S&R Aircraft Parts, Upgrade	2006	\$10,073,000.00	\$9,111,387.73	\$245,834.95	\$715,777.32	\$0.00														
14-108 Barrow Digital Repeater Upgrade	2006	\$507,000.00	\$492,584.66	\$0.00	\$14,422.04	\$0.00														
14-112 AIN,ATQ & NUI FF&S Replacement	2007	\$292,000.00	\$253,687.16	\$0.00	\$39,518.50	\$0.00														
14-116 Area Wide Fire Station Floor Replacement	2008	\$5,566,000.00	\$4,283,196.00	\$44,054.72	\$1,238,749.00	\$0.00														
14-118 S&R Hanger	2010	\$27,500,000.00	\$25,195,689.80	\$1,758,383.28	\$185,782.22	\$0.00														
14-124 Area Wide Fire Department Equipment Upgr	2013	\$832,000.00	\$375,910.99	\$59,719.29	\$394,294.17	\$0.00														
14-125 Helicopter Replacement	2013	\$46,810,000.00	\$42,991,753.69	\$1,700,380.83	\$2,115,228.00	\$0.00														
14-128 Area Wide Fire Dept PP&E Upgrades	2014	\$750,000.00	\$364,994.78	\$34,464.97	\$350,540.00	\$0.00														
14-129 Public Safety Software	2016	\$240,704.00	\$240,703.73	\$0.00	\$0.00	\$0.00														
14-130 Barrow Fire Engine	2016	\$1,000,000.00	\$290,225.49	\$350,035.00	\$359,739.00	\$0.00														
14-131 S&R Aircraft Parts and PPE	2017	\$2,620,000.00	\$6,255.48	\$109,075.50	\$2,504,669.00	\$738,000.00														
14-133 NSB Public Safety Facility PH1 Design	2017	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00														
65000 Sanitation		\$60,925,000.00	\$45,503,034.00	\$1,664,073.73	\$13,609,049.54	\$5,835,000.00														

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Project	Original Ord Date	Appropriation	Expended	Encumbered	Unencumbered Balance	2018-10 Funding	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
15-088 Village Landfill Fences	old	\$3,530,000.00	\$3,112,199.88	\$0.00	\$417,800.01	\$0.00														
15-095 Area Wide Remediation of Contaminated soil	2004	\$6,480,000.00	\$6,144,092.92	\$342.55	\$335,564.53	\$0.00														
15-099 KIC Tank Farm Pad Remediation	2009	\$2,500,000.00	\$2,282,628.97	\$113,426.63	\$0.00	\$0.00														
15-101 TOS Upgrades	2011	\$1,086,000.00	\$861,705.22	\$0.00	\$129,558.00	\$500,000.00														
15-102 South Pad Remediation	2012	\$4,500,000.00	\$4,346,579.73	\$83,736.27	\$69,434.00	\$0.00														
15-104 BRW Landfill Phase V	2014	\$15,996,000.00	\$13,896,655.81	\$431,013.64	\$1,668,330.00	\$4,935,000.00														
15-105 Oxbow Landfill Expansion	2014	\$23,000,000.00	\$14,725,172.18	\$658,372.47	\$7,616,545.00	\$0.00														
15-106 BRW Old Landfill Protection	2016	\$1,933,000.00	\$127,757.32	\$77,915.17	\$1,777,327.00	\$0.00														
15-107 BRW Old Landfill Protection	2016	\$1,900,000.00	\$6,241.97	\$299,267.00	\$1,594,491.00	\$0.00														
15-108 AW Dumpster Bin Replacement		\$0.00	\$0.00	\$0.00	\$0.00	\$400,000.00														
67000 Communications	2010	\$16,771,000.00	\$14,254,531.37	\$889,520.14	\$1,621,868.00	\$0.00														
17-026 Area Wide R-System Upgrade Phase 1	2010	\$11,771,000.00	\$9,481,532.21	\$814,330.00	\$1,470,051.00	\$0.00														
17-027 Communication system upgrade	2010	\$5,000,000.00	\$4,772,999.16	\$75,190.14	\$151,817.00	\$0.00														
68000 General		\$203,828,463.00	\$165,985,028.54	\$10,458,904.97	\$26,315,813.36	\$19,275,000.00														
18-041 Project Analysis Reports	old	\$13,572,463.00	\$11,822,438.31	\$541,303.42	\$202,223.00	\$0.00														
18-042 Areawide Fire Systems upgrade	old	\$9,559,000.00	\$6,096,210.07	\$2,409,176.90	\$1,053,349.09	\$0.00														
18-052 Area Wide W&S Equipment	2002	\$3,684,000.00	\$3,614,140.72	\$8,622.19	\$61,237.09	\$0.00														
18-054 Area Wide Light Duty Vehicles	2003	\$10,380,000.00	\$9,525,395.26	\$0.00	\$854,604.00	\$750,000.00														
18-065 AreaWide Efficiency Lighting and Facility Cor	2009	\$2,737,000.00	\$2,487,708.94	\$330.00	\$248,961.00	\$550,000.00														
18-080 BRW Public Transit	2007	\$2,464,000.00	\$2,099,276.19	\$0.00	\$364,723.81	\$0.00														
18-081 ATQ Heavy Equipment Upgrade	2008	\$1,446,000.00	\$1,445,999.60	\$0.00	\$0.00	\$0.00														
18-082 KAK Heavy Equipment Upgrade	2008	\$2,488,000.00	\$2,486,277.69	\$0.00	\$1,777.34	\$0.00														

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18-083 PTH Heavy Equipment Upgrade	2008	\$1,726,000.00	\$1,726,000.00	\$0.00	\$0.00	\$0.00														
18-084 Minimize AW Equipment down time	2008	\$2,050,000.00	\$2,032,013.71	\$12,473.95	\$5,512.00	\$0.00														
18-087 NUI Heavy Equipment Replacement	2009	\$2,778,000.00	\$2,641,987.42	\$0.00	\$136,012.00	\$0.00														
18-090 BGF Well Drilling (BA)	2009	\$45,219,000.00	\$44,958,584.72	\$8,987.36	\$233,856.73	\$0.00														
18-091 BGF Pipeline Cathodic Portection	2009	\$64,547,000.00	\$58,587,237.34	\$5,494,573.03	\$465,189.63	\$0.00														
18-094 BRW Heavy Equipment Major Repair	2010	\$1,180,000.00	\$1,093,220.18	\$55,605.77	\$47,092.66	\$0.00														
18-097 AKP Heavy Equipment Replacement	2011	\$1,811,000.00	\$1,716,449.62	\$0.00	\$94,500.00	\$0.00														
18-099 Wildlife Facility Phase 1	2013	\$2,000,000.00	\$1,228,003.19	\$309,629.00	\$462,367.00	\$0.00														
18-100 AW Childcare Facility UP	2013	\$3,908,000.00	\$2,393,565.93	\$35,000.00	\$1,476,434.00	\$0.00														
18-095 BRW Heavy Equipment Major Repair	2010	\$1,737,000.00	\$1,568,809.26	\$167,848.75	\$345.00	\$0.00														
18-101 AIN PW FAC Replacement PH III	2014	\$15,050,000.00	\$5,004,411.61	\$583,050.63	\$9,462,537.76	\$13,772,000.00														
18-102 NUlqsut Facility Upgrades	2014	\$1,084,000.00	\$53,420.90	\$57,324.00	\$972,966.00	\$1,106,000.00														
18-103 AKP Facility UPs	2014	\$1,496,000.00	\$316,180.77	\$110,446.66	\$1,068,801.00	\$0.00														
18-104 Atqasuk Facility Upgrades	2014	\$1,242,000.00	\$29,163.63	\$48,133.55	\$1,164,702.00	\$0.00														
18-105 Point Hope Facility Ups	2016	\$902,000.00	\$11,862.78	\$73,470.00	\$816,667.22	\$0.00														
18-106 WainWright Facility Upgrades	2016	\$1,542,000.00	\$101,492.28	\$78,193.64	\$1,362,314.08	\$0.00														
18-107 Kaktovik Facility Upgrades	2016	\$1,612,000.00	\$37,072.01	\$48,882.00	\$1,525,498.00	\$0.00														
18-108 Point Lay Facility Upgrades	2016	\$935,000.00	\$6,324.59	\$50,008.00	\$878,119.00	\$0.00														
18-109 Barrow Facility Upgrades	2016	\$1,301,000.00	\$213,879.62	\$287,237.48	\$799,809.95	\$150,000.00														
18-110 Wainwright Heavy equipment	2016	\$934,000.00	\$689,189.71	\$38,914.43	\$205,895.00	\$270,000.00														
18-111 Nuiqsut Heavy Equipment	2016	\$959,000.00	\$393,209.49	\$0.00	\$565,790.00	\$205,000.00														
18-112 Barrow Heavy Equipment	2016	\$1,645,000.00	\$1,602,662.04	\$0.00	\$42,337.00	\$935,000.00														

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18-113 NUI PW Replacement Shop	2016	\$300,000.00	\$0.00	\$0.00	\$300,000.00	\$0.00														
18-114 ATQ Heavy Equipment	2017	\$215,000.00	\$473.49	\$0.00	\$214,526.00	\$0.00														
18-115 Kaktovik Heavy Equipment	2017	\$215,000.00	\$473.49	\$0.00	\$214,526.00	\$0.00														
18-116 PHO Heavy Equipment	2017	\$215,000.00	\$473.49	\$0.00	\$214,526.00	\$817,000.00														
18-117 PIZ Heavy Equipment	2017	\$215,000.00	\$473.51	\$0.00	\$214,526.00	\$0.00														
18-118 Village Heavy Equipment Major Repairs	2017	\$380,000.00	\$473.49	\$0.00	\$379,526.00	\$360,000.00														
18-119 BRW Heavy Equipment Major Repair	2017	\$300,000.00	\$473.49	\$39,694.21	\$204,832.00	\$360,000.00														
69000 Health		\$1,420,000.00	\$757,983.67	\$74,693.89	\$582,321.80	\$0.00														
19-074 SR. BUS Replacement	2012	\$950,000.00	\$755,586.30	\$74,693.89	\$114,719.80	\$0.00														
19-075 Homeless Assistance Center	2016	\$470,000.00	\$2,397.37	\$0.00	\$467,602.00	\$0.00														
70000 Museums	2006	\$2,263,000.00	\$1,602,107.35	\$492,912.91	\$167,978.60	\$88,000.00														
20-001 Tuzzy Library/IHC Exp/Reno	2006	\$2,263,000.00	\$1,602,107.35	\$492,912.91	\$167,978.60	\$88,000.00														
72000 Administration		\$12,581,000.00	\$9,884,537.52	\$316,549.28	\$2,358,690.27	\$1,375,000.00														
22-016 Area Wide Computer Replacements	old	\$3,901,000.00	\$3,138,411.29	\$0.00	\$762,588.00	\$420,000.00														
22-020 Area Wide Office Machine Replacement	2007	\$1,511,000.00	\$1,354,868.20	\$0.00	\$134,912.00	\$200,000.00														
22-021 Area Wide Network Upgrade Phase 1	2007	\$877,000.00	\$835,723.73	\$0.00	\$41,276.27	\$0.00														
22-024 Emergency Ops Center	2012	\$3,502,000.00	\$3,281,968.51	\$4,000.00	\$216,031.00	\$135,000.00														
22-025 JDE Upgrade Phase 1	2013	\$1,590,000.00	\$1,273,154.74	\$312,549.28	\$4,295.00	\$620,000.00														
22-026 NSB Administration Center	2016	\$1,200,000.00	\$411.05	\$0.00	\$1,199,588.00	\$0.00														

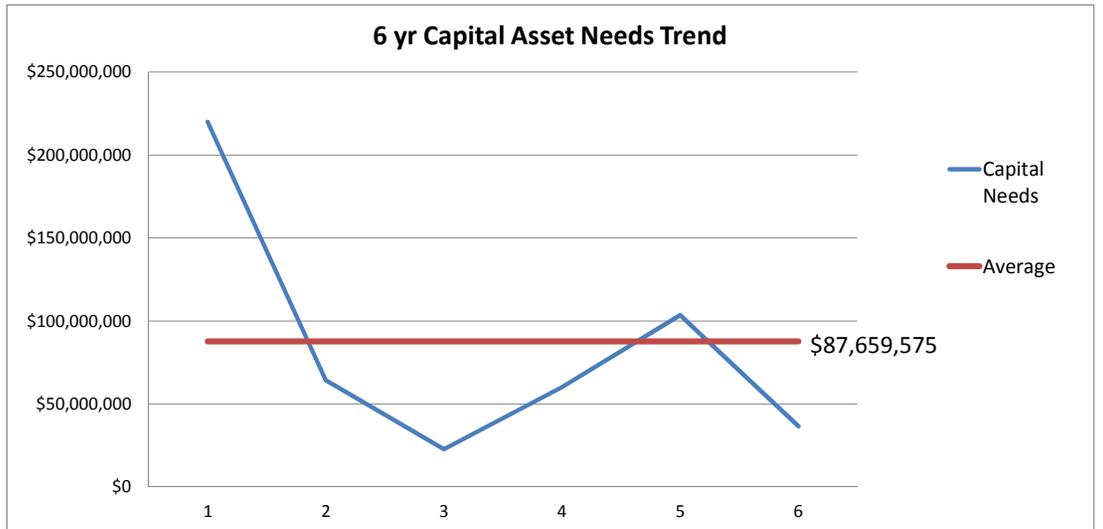
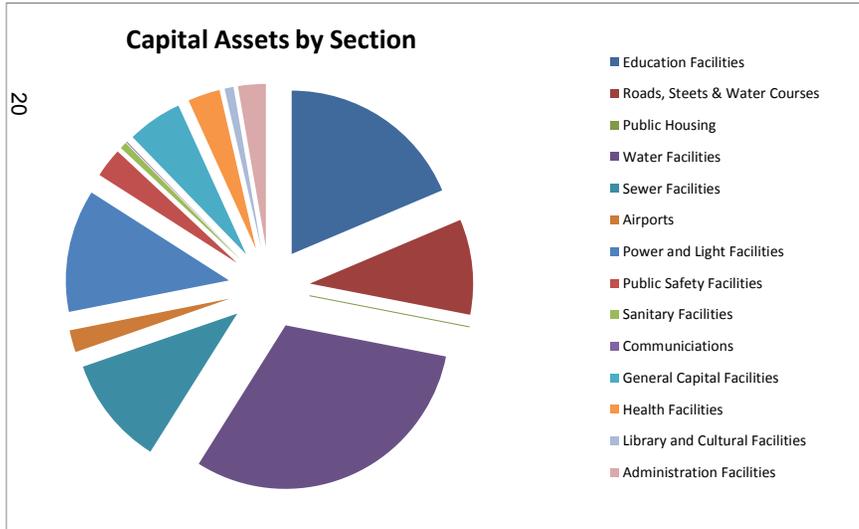
19

█ Project Work

LOI = Letter of intent/Capital Reserve
2019A = Proposed Bond Sale for CIP Ordinance 2018-10

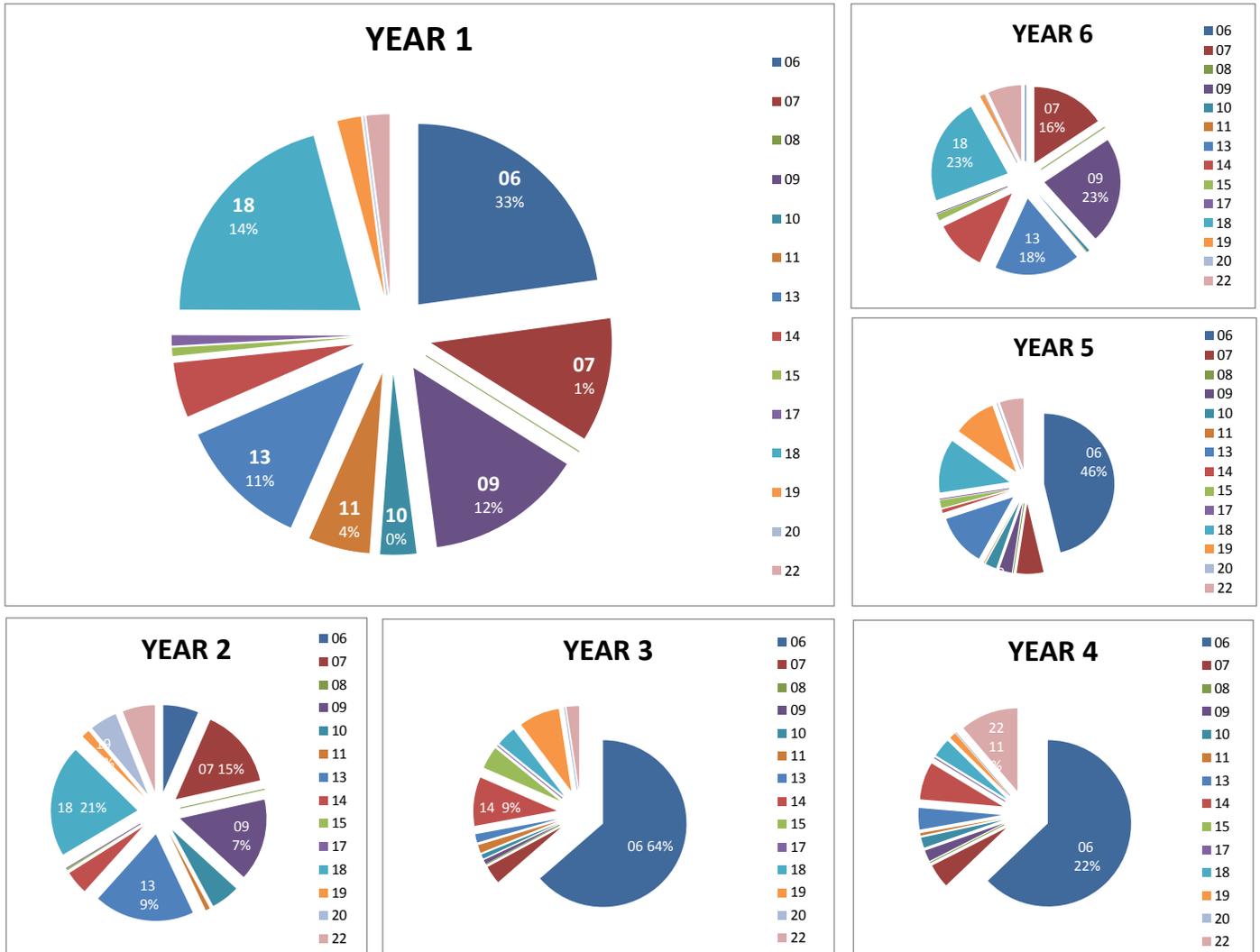
North Slope Borough Capital Repair and Replacement Schedule Summary

Report Year	2018	Summary Appraisal of Community Buildings, Infrastructure and Equipment Capital Assets			Current Dollar Value of Systems/Components that require Renewal or Replacement during year specified (in thousands of dollars)							No. of Deferred Projects	Deferred Value	
All Communities and Service Areas				Least Remaining Life Span	Earliest Year work req'd	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
				Escalation - >		0%	2%	2%	2%	2%	2%			
Location	Asset Value	Asset Description	Section			2018	2019	2020	2021	2022	2023			Six Year Total
Wainwright	\$ 473,387,971	Summary	AIN			10,348	7,732	937	2,303	1,548	7,637	29	521	\$ 30,504,094
Point Hope	\$ 465,250,760	Summary	PHO			29,228	5,398	72	954	3,087	4,438	1	52	\$ 43,176,492
Point Lay	\$ 276,133,874	Summary	PIZ			22,152	6,802	2,156	2,097	6,551	905	16	2,403	\$ 40,663,232
Barrow	\$ 1,709,351,632	Summary	BRW			80,137	24,865	16,310	42,494	75,606	14,614	90	14,547	\$ 254,024,939
Atqasuk	\$ 254,655,125	Summary	ATQ			17,623	2,114	350	1,329	1,142	3,626	12	3,784	\$ 26,184,425
Nuiqsut	\$ 429,726,581	Summary	NUI			25,252	3,550	339	2,473	9,783	1,062	11	1,813	\$ 42,459,553
Kaktovik	\$ 276,088,163	Summary	BTI			9,243	8,887	1,113	1,057	2,878	732	18	3,685	\$ 23,910,193
Anaktuvuk Pass	\$ 257,893,488	Summary	AKP			10,378	4,801	1,499	525	2,216	2,691	1	487	\$ 22,111,054
Service Area 10	\$ 39,952,910	Summary	SA10			15,621	275	0	6,913	651	962	7	3,542	\$ 24,423,352
Totals	\$ 4,182,440,504					219,982	64,425	22,775	60,145	103,462	36,668	185	30,834	\$ 525,957,448



NORTH SLOPE BOROUGH 6 YEAR CAPITAL IMPROVEMENT PLANNING PROCESS

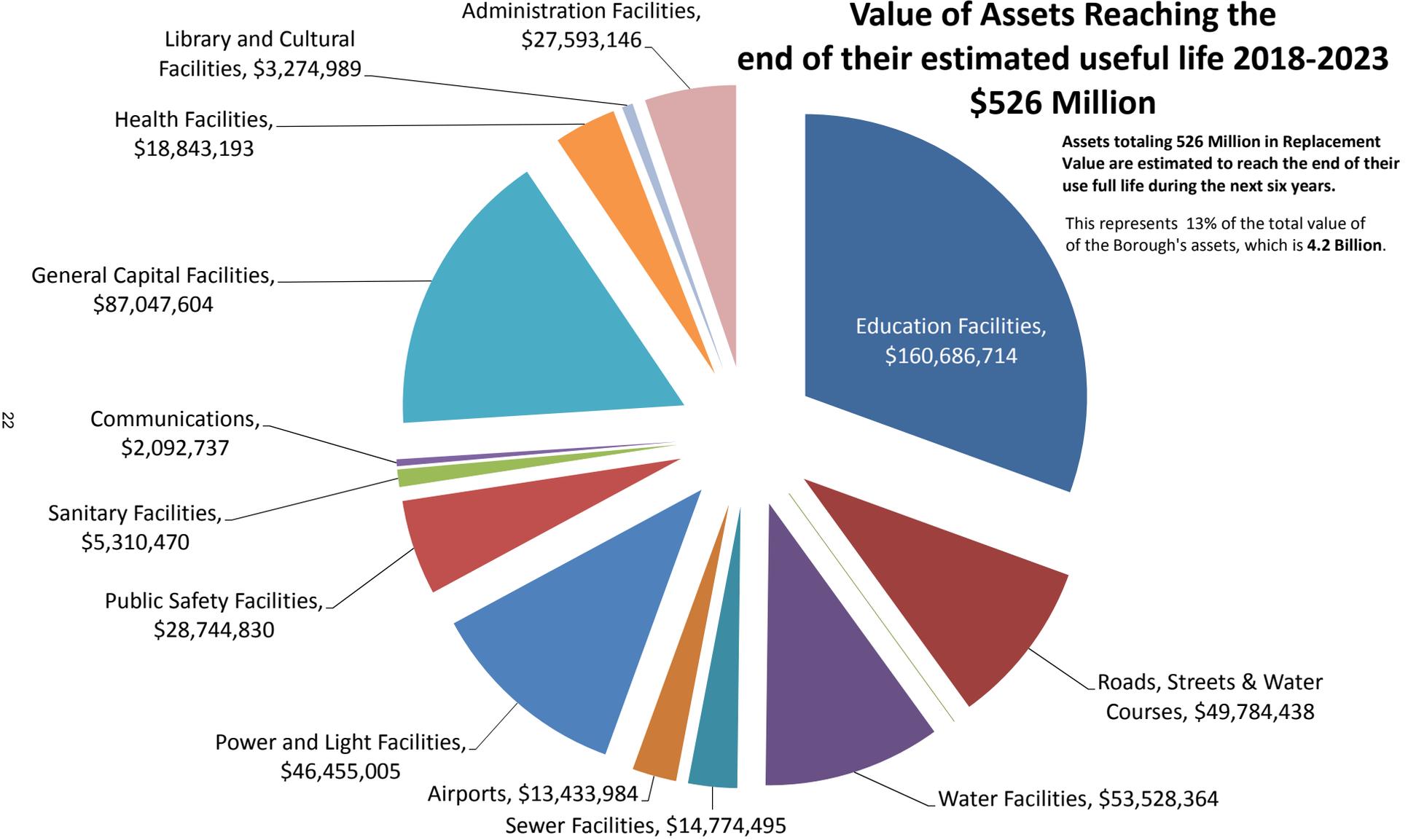
North Slope Borough Capital Repair and Replacement Schedule by Ordinance Section											
CIP FY	2018	Community Buildings, Infrastructure and Equipment Assets by Ordinance Section	Current Dollar Value of Systems/Components that require Renewal or Replacement during year specified in thousands of dollars						No. of Deferred Projects	Deferred Value	
All Communities and Service Areas			Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
			Escalation - >								
			0%	2%	2%	2%	2%	2%			
Section No.	Asset Value	Section Description	2018	2019	2020	2021	2022	2023			Six Year Total
06	\$ 779,107,133	Education Facilities	50,180	4,212	14,483	37,798	47,875	0	24	10,233	\$ 154,547,178
07	\$ 393,779,060	Roads, Steets & Water Courses	24,407	9,639	808	2,805	6,381	5,745	0	0	\$ 49,784,438
08	\$ -	Public Housing	0	0	0	0	0	0	62	0	\$ -
09	\$ 1,291,910,366	Water Facilities	30,875	9,862	195	1,302	3,014	8,280	0	0	\$ 53,528,364
10	\$ 450,787,250	Sewer Facilities	7,058	3,431	195	1,205	2,692	194	0	0	\$ 14,774,495
11	\$ 92,125,390	Airports	12,052	537	364	318	122	40	0	0	\$ 13,433,984
13	\$ 507,863,265	Power and Light Facilities	26,033	12,035	376	2,500	12,315	6,632	7	1,610	\$ 59,888,977
14	\$ 122,415,100	Public Safety Facilities	10,818	2,822	2,152	4,398	797	3,989	50	6,279	\$ 24,977,450
15	\$ 28,148,240	Sanitary Facilities	1,579	262	984	71	1,902	511	0	0	\$ 5,310,470
17	\$ 3,720,080	Communications	2,092	0	0	0	0	0	0	0	\$ 2,092,737
18	\$ 228,697,300	General Capital Facilities	45,691	13,462	869	2,178	12,711	8,346	24	6,318	\$ 83,256,812
19	\$ 134,201,000	Health Facilities	4,670	985	1,800	802	10,036	332	6	362	\$ 18,625,925
20	\$ 36,211,100	Library and Cultural Facilities	0	3,275	0	0	0	0	0	0	\$ 3,274,989
22	\$ 114,175,600	Administration Facilities	4,526	3,901	550	6,781	5,617	2,599	12	6,031	\$ 23,974,249
Totals			\$ 4,183,140,884								
			219,982	64,425	22,775	60,158	103,462	36,668	185	30,834	\$ 525,970,182



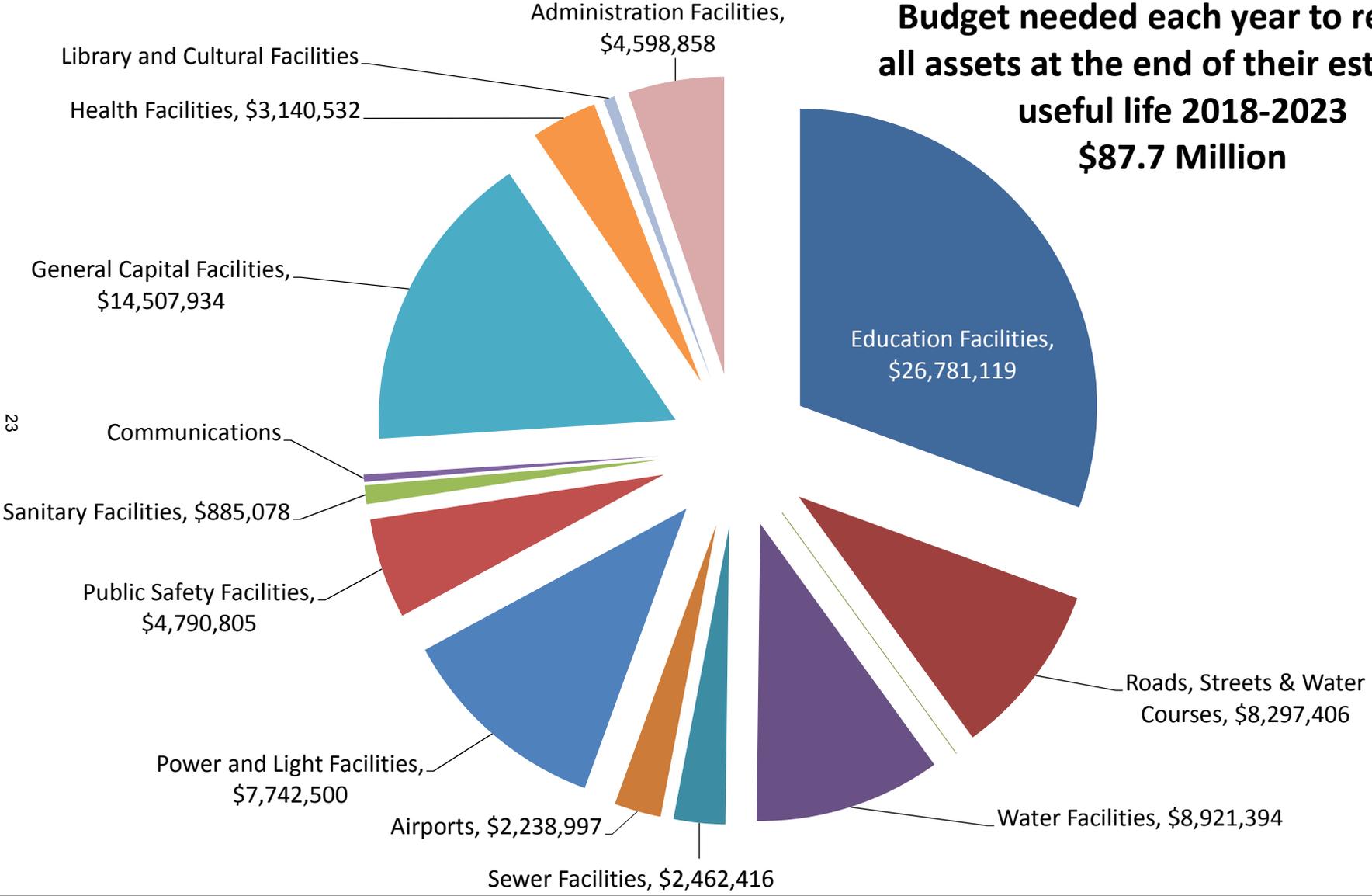
Value of Assets Reaching the end of their estimated useful life 2018-2023

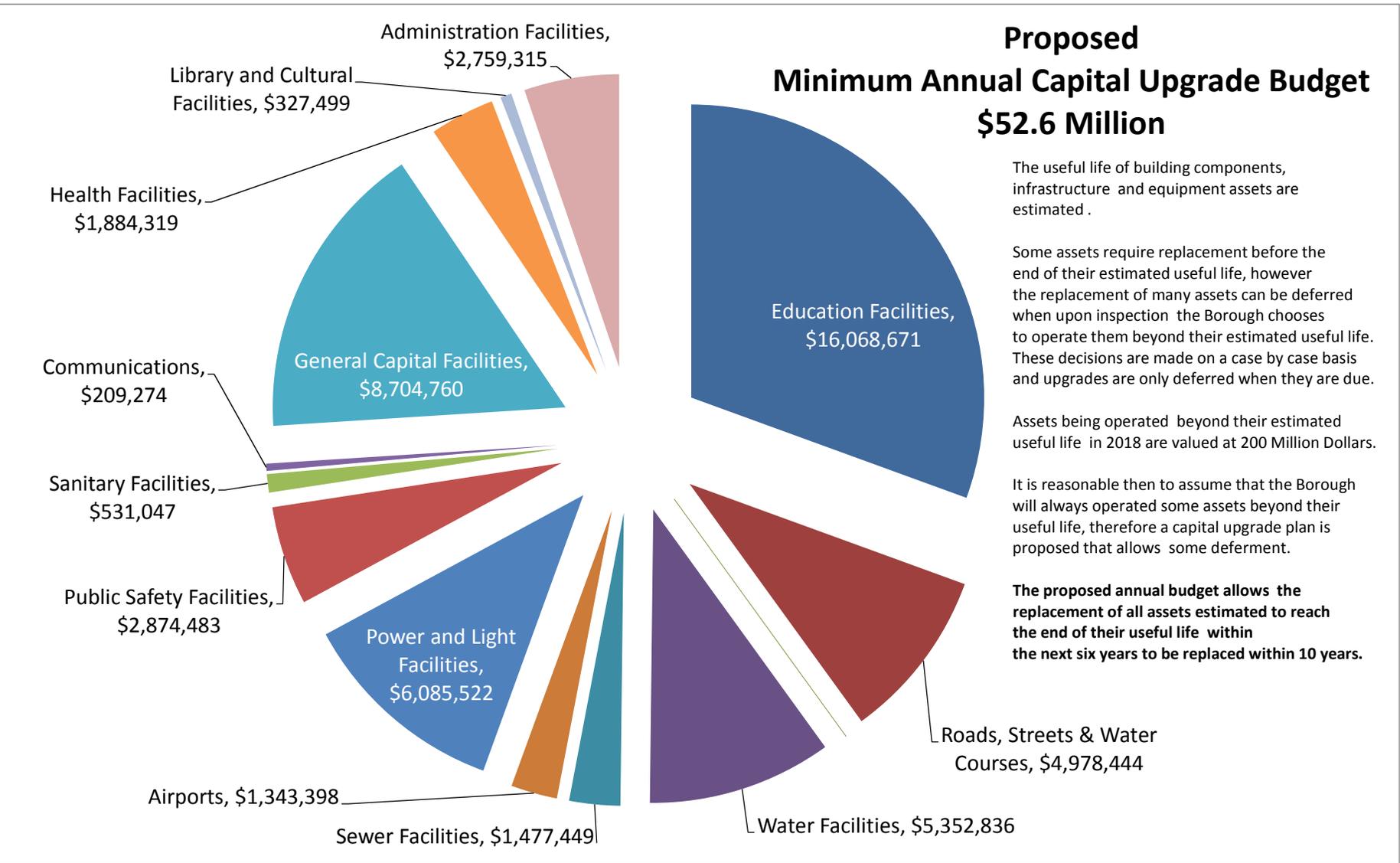
\$526 Million

Assets totaling 526 Million in Replacement Value are estimated to reach the end of their use full life during the next six years.
 This represents 13% of the total value of of the Borough's assets, which is **4.2 Billion**.



**Budget needed each year to replace
all assets at the end of their estimated
useful life 2018-2023
\$87.7 Million**





NSB SIX YEAR CAPITAL PLAN		2018	2019	2020	2021	2022	2023
	New GO Bond	\$74,999,000	\$98,909,486	\$88,075,960	\$137,116,641	\$88,723,811	\$97,817,050
	Surplus GO Bond		\$30,000,000				
	Other (grants, private)	\$9,000,000	\$15,000,000	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000
	Total Program	\$83,999,000	\$143,909,486	\$108,075,960	\$157,116,641	\$108,723,811	\$117,817,050
	Upgrades	\$62,135,000	\$117,609,486	\$98,075,960	\$122,116,641	\$73,723,811	\$90,317,050
	Expansion	\$21,864,000	\$26,300,000	\$10,000,000	\$35,000,000	\$35,000,000	\$27,500,000
	SECTION 06 - EDUCATIONAL FACILITIES	\$13,740,000	\$20,000,000	\$16,068,671	\$32,000,000	\$17,600,000	\$16,068,671
<i>Capital Planning (R&R) Projections not listed below</i>		\$3,328,671	\$0	\$1,068,671	\$0	\$0	\$868,671
<i>Expansion of existing programs listed below</i>		\$1,000,000	\$0	\$0	\$0	\$0	\$0
<i>Upgrades to existing programs listed below</i>		\$12,740,000	\$20,000,000	\$15,000,000	\$32,000,000	\$17,600,000	\$15,200,000
06-197	Meade River School Renovation Final Phase		TBD	TBD		Closing	
06-199	BRW Residential Learning Center		TBD	TBD	TBD	Closing	
06-201	District Wide Infrastructure Improvements	\$2,000,000	\$3,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000
NEW 06-202	BHS Renovation Phase 1	\$8,000,000	\$17,000,000		\$28,000,000	\$13,600,000	\$11,200,000
NEW 06-203	AIN Alak School Major Renovations	\$2,740,000		\$11,000,000			
NEW 06-204	Ilisagvik College New Design	\$1,000,000	TBD	TBD	TBD	TBD	TBD
SECTION 07 - ROADS, STREETS, & WATERCOURSES	\$3,311,000	\$12,423,000	\$15,794,000	\$6,250,000	\$11,000,000	\$8,750,000	
<i>Capital Planning (R&R) Projections not listed below</i>		\$4,584,444	\$0	\$0	\$0	\$0	\$0
<i>Expansion of existing programs listed below</i>		\$2,917,000	\$2,500,000	\$0	\$0	\$0	\$2,500,000
<i>Upgrades to existing programs listed below</i>		\$394,000	\$9,923,000	\$15,794,000	\$6,250,000	\$11,000,000	\$6,250,000
07-251	BRW Arctic Research Center Road		\$5,742,000			Closing	
07-268	BRW Coastal Erosion Mitigation	\$2,000,000	TBD	TBD	TBD	TBD	TBD
07-269	PHO Coastal Erosion Mitigation & Mining	\$917,000	TBD	TBD	TBD	TBD	TBD
07-270	BRW Nunavaak Road Upgrade Phase I			\$2,994,000	Closing		
07-271	PHO Road Resurfacing PH I			\$1,000,000	Closing		
07-272	NSB Gravel		\$2,000,000	\$4,000,000		\$4,000,000	
07-273	Areawide Road Stabilization Upgrade			\$300,000		Closing	
07-274	Point Lay Grading & Drainage Improvements			Closing			
07-276	East Barrow Residential Development		\$2,500,000				\$2,500,000
07-277	Barrow Road Improvement Project		\$1,181,000		\$750,000		\$750,000
NEW 07-278	NUI Road Improvements	\$294,000		\$2,000,000		\$1,500,000	
NEW 07-279	BRW Gaswell Road Improvements Ph 1	\$100,000	\$1,000,000	\$5,500,000	\$5,500,000	\$5,500,000	\$5,500,000
SECTION 08 - PUBLIC HOUSING	\$9,000,000	\$0	\$10,000,000	\$0	\$10,000,000	\$0	
<i>Capital Planning (R&R) Projections not listed below</i>		\$0	\$0	\$0	\$0	\$0	\$0
<i>Expansion of existing programs listed below</i>		\$9,000,000	\$0	\$10,000,000	\$0	\$10,000,000	\$0
<i>Upgrades to existing programs listed below</i>		\$0	\$0	\$0	\$0	\$0	\$0
08-166	AW Residential Housing Development	\$9,000,000		\$10,000,000		\$10,000,000	
SECTION 09 - WATER FACILITIES	\$3,980,000	\$24,647,000	\$6,500,000	\$5,352,836	\$14,000,000	\$16,352,836	
<i>Capital Planning (R&R) Projections not listed below</i>		\$3,677,836	\$0	\$0	\$1,852,836	\$0	\$1,852,836
<i>Expansion of existing programs listed below</i>		\$2,305,000	\$0	\$0	\$0	\$8,000,000	\$11,000,000
<i>Upgrades to existing programs listed below</i>		\$1,675,000	\$24,647,000	\$6,500,000	\$3,500,000	\$6,000,000	\$3,500,000
09-137	ATQ Facility Water & Sewer Connections Ph 1			TBD		\$8,000,000	\$6,000,000
09-142	New BRW Residential W/S Connections		\$5,000,000				\$5,000,000
09-145	AIN Water Treatment Plant Upgrades	\$175,000	\$10,000,000			Closing	
09-148	AKP Facility Water & Sewer Connections Ph 1		\$3,532,000		Closing		
09-149	AW Water Storage Tank Upgrades		\$5,000,000	\$3,000,000		\$2,500,000	
09-150	AW Water Plant System Upgrades		\$715,000		Closing		

NSB SIX YEAR CAPITAL PLAN		2018	2019	2020	2021	2022	2023
09-151	Pt Lay W/S System Upgrade, PH I Design		TBD	TBD	Closing		
09-152	BUS Service Connection Upgrades		\$2,400,000	\$500,000	\$500,000	\$500,000	\$500,000
09-153	BUS SCADA System - Design Phase		\$1,200,000		Closing		
09-154	AW Residential Water Holding Tanks		TBD	TBD	TBD	TBD	TBD
09-155	AW Water System Upgrades	\$1,500,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000
NEW 09-156	AKP Water Well	\$2,305,000		Closing			
SECTION 10 - SEWAGE TREATMENT DISPOSAL FACILITIES		\$10,567,000	\$14,835,000	\$5,250,000	\$3,750,000	\$2,750,000	\$3,750,000
<i>Capital Planning (R&R) Projections not listed below</i>		\$0	\$0	\$0	\$0	\$0	\$0
<i>Expansion of existing programs listed below</i>		\$5,047,000	\$0	\$0	\$0	\$0	\$0
<i>Upgrades to existing programs listed below</i>		\$5,520,000	\$14,835,000	\$5,250,000	\$3,750,000	\$2,750,000	\$3,750,000
10-107	AW Sewage Tanks		\$2,560,000		\$2,000,000		\$2,000,000
10-111	AW Sewage Lagoon Upgrades	\$300,000	\$300,000			Closing	
10-112	Areawide Water & Sewer Heat Trace Upgrades		\$1,500,000		\$1,000,000		\$1,000,000
10-115	Kaktovik WWTP Expansion		Closing				
10-117	PHO Sewer Main line Upgrades		\$2,500,000	\$2,500,000	Closing		
10-118	AW Effluent Pipeline upgrades		\$900,000		Closing		
10-119	PHO Heat Trace Panel Upgrades - PH I		\$1,300,000		Closing		
10-120	B.U.S. Pump Station #5 Upgrade - Design Phase		\$2,125,000			Closing	
10-122	Point Hope WWTP Upgrades		\$400,000		Closing		
10-123	AW Sewer System Upgrades	\$1,000,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
10-124	PIZ WWTP Receiving Station PH II	\$5,047,000			Closing		
10-125	Barrow Utilidor Systems Upgrades	\$3,672,000	\$1,500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
NEW 10-126	Areawide Water & Sewer Equipment (successor to 18-052)	\$548,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
SECTION 11 - AIRPORT TERMINAL FACILITIES		\$1,870,000	\$1,643,398	\$1,343,398	\$1,343,398	\$1,343,398	\$1,343,398
<i>Capital Planning (R&R) Projections not listed below</i>		\$0	\$1,343,398	\$1,343,398	\$1,343,398	\$1,343,398	\$1,343,398
<i>Expansion of existing programs listed below</i>		\$0	\$300,000	\$0	\$0	\$0	\$0
<i>Upgrades to existing programs listed below</i>		\$1,870,000	\$0	\$0	\$0	\$0	\$0
11-066	NUI Airport Rehabilitation		TBD	TBD	Closing		
11-067	ATQ Airport Rehabilitation		TBD	TBD	TBD	Closing	
11-068	AW Airport Passenger Shelters PH I		\$300,000		Closing		
NEW 11-069	AKP Airport Lighting	\$1,870,000			Closing		
SECTION 13 - LIGHT, POWER AND HEATING SYSTEMS		\$14,220,000	\$13,225,000	\$16,625,000	\$30,500,000	\$6,085,522	\$6,085,522
<i>Capital Planning (R&R) Projections not listed below</i>		\$0	\$0	\$0	\$0	\$2,585,522	\$4,585,522
<i>Expansion of existing programs listed below</i>		\$3,900,000	\$0	\$0	\$0	\$0	\$0
<i>Upgrades to existing programs listed below</i>		\$10,320,000	\$13,225,000	\$16,625,000	\$30,500,000	\$3,500,000	\$1,500,000
13-222	AW Waste Heat Recovery		\$1,750,000	\$1,500,000		Closing	
13-228	AW Tank Farm Upgrades		\$1,500,000	Closing			
13-233	AW Wind Generation		TBD	TBD	TBD	TBD	TBD
13-251	AW Power Grid Preservation	\$500,000		\$250,000		\$250,000	
13-252	Atqasuk Transmission Line		TBD			TBD	
13-258	Village Power Distribution Grid Upgrades	\$2,400,000		\$2,000,000		\$2,000,000	
13-260	Nuiqsut H2S Gas Scrubber	\$3,900,000		Closing			
13-261	AW Fuel Truck Loading Rack Installation & Upgrades		\$1,725,000		Closing		
13-265	AW Electrical Metering Upgrades PH II			\$625,000			TBD
13-266	Nuiqsut Power Plant Upgrade	\$4,000,000			Closing		
13-270	AW Street Lighting Phase	\$420,000		Closing			

NSB SIX YEAR CAPITAL PLAN		2018	2019	2020	2021	2022	2023
13-274	BRW Marine Header & Pipeline Relocation PH II			Closing			
13-275	BRW NARL Gas Pipeline Upgrade PH I		\$3,000,000	\$3,000,000			
13-276	BRW Gasfield Unified Upgrades		\$250,000		\$250,000		\$250,000
13-278	AKP Power Plant Upgrade			\$8,000,000		Closing	
13-279	AW Power Generation Upgrade	\$1,500,000	\$1,250,000	\$1,250,000	\$1,250,000	\$1,250,000	\$1,250,000
NEW 13-280	BGF Pig Launcher Ph 1	\$1,500,000	\$1,100,000		\$1,000,000		Closing
	AIN Power Plant Replacement		\$2,000,000		\$20,000,000		TBD
PAR 2013-05	ATQ Power Plant Upgrade		\$650,000		\$8,000,000		Closing
SECTION 14 - PUBLIC SAFETY FACILITIES		\$738,000	\$7,400,000	\$2,874,484	\$26,500,000	\$2,874,484	\$27,874,484
	<i>Capital Planning (R&R) Projections not listed below</i>	\$2,136,484	\$0	\$1,374,484	\$0	\$1,374,484	\$1,374,484
	<i>Expansion of existing programs listed below</i>	\$0	\$0	\$0	\$0	\$0	\$25,000,000
	<i>Upgrades to existing programs listed below</i>	\$738,000	\$7,400,000	\$1,500,000	\$26,500,000	\$1,500,000	\$1,500,000
14-116	AW Fire Station Floor Replacement PH VI		\$900,000		Closing		
14-131	S&R Aircraft Parts & PPE	\$738,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
14-132	NSB Public Safety Facility Ph 1 Design	\$0	\$5,000,000		\$25,000,000	TBD	\$25,000,000
SECTION 15 - SANITARY FACILITIES		\$5,835,000	\$2,700,000	\$4,150,000	\$1,000,000	\$2,650,000	\$531,047
	<i>Capital Planning (R&R) Projections not listed below</i>	\$0	\$0	\$0	\$0	\$0	\$531,047
	<i>Expansion of existing programs listed below</i>	\$0	\$0	\$0	\$0	\$0	\$0
	<i>Upgrades to existing programs listed below</i>	\$5,835,000	\$2,700,000	\$4,150,000	\$1,000,000	\$2,650,000	\$0
15-101	TOS Upgrades	\$500,000	\$1,200,000		Closing		
15-104	Barrow Landfill Phase V	\$4,935,000	\$1,500,000	\$1,500,000	\$1,000,000	Closing	
15-107	AW Landfill Expansion		TBD	\$2,500,000	TBD	\$2,500,000	TBD
NEW 15-108	AW Dumpster Bin Replacement	\$400,000		\$150,000		\$150,000	
SECTION 17 - COMMUNICATIONS		\$0	\$209,274	\$209,274	\$209,274	\$209,274	\$209,274
	<i>Capital Planning (R&R) Projections not listed below</i>	\$209,274	\$209,274	\$209,274	\$209,274	\$209,274	\$209,274
	<i>Expansion of existing programs listed below</i>	\$0	\$0	\$0	\$0	\$0	\$0
	<i>Upgrades to existing programs listed below</i>	\$0	\$0	\$0	\$0	\$0	\$0
17-026	Boroughwide Radio Systems Upgrades PH II			Closing			
SECTION 18 - GENERAL CAPITAL		\$19,275,000	\$15,740,000	\$24,290,000	\$25,240,000	\$20,240,000	\$9,490,000
	<i>Capital Planning (R&R) Projections not listed below</i>	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	<i>Expansion of existing programs listed below</i>	\$0	\$5,500,000	\$0	\$15,000,000	\$10,000,000	\$0
	<i>Upgrades to existing programs listed below</i>	\$19,275,000	\$10,240,000	\$24,290,000	\$10,240,000	\$10,240,000	\$9,490,000
18-041	Project Analysis Reports						
18-042	AW Fire System Upgrade			\$1,500,000		Closing	
18-054	Areawide Light Duty Vehicles	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000
18-065	AW High Efficiency Lighting & Facility Controls Ph IV	\$550,000		\$550,000		Closing	
18-091	BGF Well Drilling Program			Closing			
18-099	Wildlife Facility Phase 1		\$5,500,000		\$15,000,000	\$10,000,000	
18-100	AW Childcare Facilities Upgrades (BRW/NUI/PHO/AKP)		TBD	TBD	TBD	TBD	TBD
18-101	AIN Public Works Facility Replacement PH II	\$13,772,000				Closing	
18-102	Nuiqsut Facility Upgrades	\$1,106,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
18-103	Anaktuvuk Pass Facility Upgrades		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
18-104	Atkasuk Facility Upgrades		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
18-105	Point Hope Facility Upgrades		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
18-106	Wainwright Facility Upgrades		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
18-107	Kaktovik Facility Upgrades		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000

NSB SIX YEAR CAPITAL PLAN		2018	2019	2020	2021	2022	2023
18-108	Point Lay Facility Upgrades		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
18-109	Barrow Facility Upgrades	\$150,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
18-110	Wainwright Heavy Equipment	\$270,000	\$500,000	\$500,000	\$500,000	\$500,000	closing
18-111	Nuiqsut Heavy Equipment	\$205,000	\$500,000	\$500,000	\$500,000	\$500,000	\$250,000
18-112	Barrow Heavy Equipment	\$935,000	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000
18-113	NUI Public Works Shop Replacement - Design Phase			\$12,000,000			
18-114	ATQ Heavy Equip.		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
18-115	Kaktovik Heavy Equip.		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
18-116	PHO Heavy Equip.	\$817,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
18-117	PIZ Heavy Equip.		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
18-118	Village Heavy Equipment Major Repair	\$360,000	\$380,000	\$380,000	\$380,000	\$380,000	\$380,000
18-119	Barrow Heavy Equipment Major Repair	\$360,000	\$360,000	\$360,000	\$360,000	\$360,000	\$360,000
18-097 (Old)	AKP Heavy Equip.		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
SECTION 19 - HEALTH FACILITIES		\$0	\$28,000,000	\$1,884,319	\$21,884,319	\$16,884,319	\$1,884,319
<i>Capital Planning (R&R) Projections not listed below</i>		\$1,884,319	\$0	\$1,884,319	\$1,884,319	\$1,884,319	\$1,884,319
<i>Expansion of existing programs listed below</i>		\$0	\$18,000,000	\$0	\$20,000,000	\$15,000,000	\$0
<i>Upgrades to existing programs listed below</i>		\$0	\$10,000,000	\$0	\$0	\$0	\$0
19-075	Homeless Assistance Shelter (Design Development)		TBD	TBD	TBD	TBD	TBD
19-076	Behavioral Health Complex Ph 1 Design		\$18,000,000		\$20,000,000	\$15,000,000	
PAR 2015-02	PHO Health Clinic Upgrade		\$10,000,000				
SECTION 20 - LIBRARY & CULTURAL FACILITIES		\$88,000	\$327,499	\$327,499	\$327,499	\$327,499	\$327,499
<i>Capital Planning (R&R) Projections not listed below</i>		\$239,499	\$327,499	\$327,499	\$327,499	\$327,499	\$327,499
<i>Expansion of existing programs listed below</i>		\$0	\$0	\$0	\$0	\$0	\$0
<i>Upgrades to existing programs listed below</i>		\$88,000	\$0	\$0	\$0	\$0	\$0
20-001	IHC Expansion & Renovation Ph II Design	\$88,000			Closing		
SECTION 22 - ADMINISTRATIVE FACILITIES		\$1,375,000	\$2,759,315	\$2,759,315	\$2,759,315	\$2,759,315	\$25,150,000
<i>Capital Planning (R&R) Projections not listed below</i>		\$1,384,315	\$1,689,315	\$2,309,315	\$1,689,315	\$2,609,315	\$0
<i>Expansion of existing programs listed below</i>		\$0	\$0	\$0	\$0	\$0	\$0
<i>Upgrades to existing programs listed below</i>		\$1,375,000	\$1,070,000	\$450,000	\$1,070,000	\$150,000	\$25,150,000
22-016	AW Computer & Server Replacements	\$420,000	\$300,000	\$300,000	\$300,000		
22-020	AW Office Machine Replacements	\$200,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
22-024	Emergency Ops Center	\$135,000					
22-025	JD Edwards Upgrades PH II	\$620,000	\$620,000		\$620,000	Closing	
NEW 22-026	BRW NSB Admin Center Design Phase					\$5,000,000	\$25,000,000

Planning & Community Services Department

2018 Capital Improvement Program Recommendations

EXPANSION OF SERVICES, FACILITIES AND PROGRAMS

- The Borough currently manages over 4.1 billion dollar in capital assets and has a 526 million dollar projection of capital needs required to repair/replace this infrastructure over the next six years.
- Reductions in facilities and equipment should be considered to accommodate programmatic expansion in other areas.
- Expansion of facilities and programs requiring new capital infrastructure should be avoided if possible.

EQUIPMENT BUDGET

- The current capital budgets for equipment are not adequate.
- The Borough maintains over 1,000 pieces of light and heavy duty equipment.
- During consideration of new equipment purchases, the disposal of old equipment that is being replaced should also be considered.

CONSOLIDATION OF FACILITIES

- A long term strategy to reduce the total square footage of Borough offices and programs may be a consolidated NSB administrative facility.
- Repair/replace existing infrastructure and facilities through 2030 does not appear affordable.
- Replacement projects and PARs for replacement projects should include recommendations and budgets for the re-purposing, disposal or demolition of the existing assets they replace.

DESIGN STANDARDS

- To optimize the useful lives of building systems, design standards should be developed.

BONDING CAPACITY

- This Capital Plan suggests that bond sales for the next six years should include approximately 52.6 million dollars each year to repair/replace the Borough's existing infrastructure.
- Any program expansion considered will further strain the reliance of current asset upgrade/replacement on the capital program.