
MEMORANDUM

TO: NWABSD Board of Education Members

DATE: August, 28, 2026

NUMBER: Worksession #

FR: Office of the Superintendent

SUBJECT: Technology

Savio Dias, Director of Technology, reports on the following:

Track 1: Operational Improvements

Initiative: Optimize Business Practices

Agenda Items

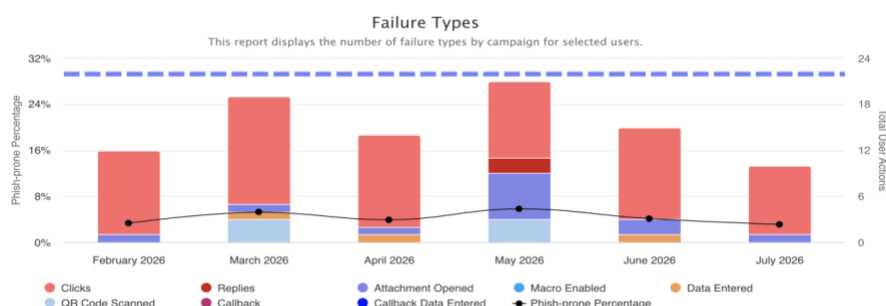
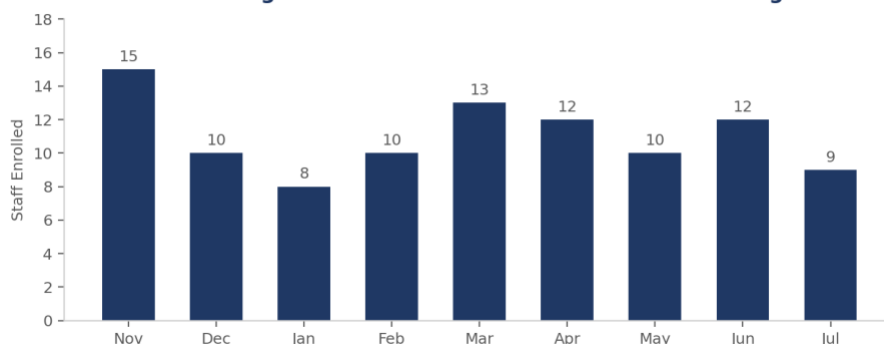
- Meraki purchase for FY27: \$60,910.00 (amount as submitted — please confirm before the board packet is finalized).
- C2 access point update; license renewal due 9/29/2027.

Cybersecurity and Data Protection Implementation

Phishing tests are run monthly, with follow-up lessons from KnowBe4 assigned to staff who click a phishing link or respond to a simulated message.

Month	Staff Enrolled in Additional Training
November	15
December	10
January	8
February	10
March	13
April	12
May	10
June	12
July	9
August	Not yet available — reported first week of September

Phishing Test Clickers Enrolled in Additional Training



KnowBe4 Failure Types report, February–July 2026 — phishing-prone percentage and user actions by campaign.

iPad Refresh

- Student and staff iPads were ordered and received.
- All devices were asset-tagged and inventoried.
- Cases were installed on all iPads — standard cases for PK–2, keyboard cases for staff and grades 3–4.
- iPads were imaged; returning staff have received their new devices.
- Students will receive their new iPads at the start of the fall school year.

Verkada Camera / Vape Detection System Upgrade

- Camera and vape-detection hardware, plus 10-year licensing, has been purchased and received for all schools in the region — both interior and exterior.
- This upgrade was funded through a partnership between the Borough and a generous donation from Teck Alaska to the District.
- Online dashboards have been set up for all schools, with all licensing loaded.
- Principals receive access and training as cameras are mounted at their school.

Roles and Responsibilities

Department	Responsibilities
Technology Dept.	Purchasing, configuration, staff training, ongoing dashboard administration, licensing, footage retrieval and data preservation, and point of contact for legal requests.
Maintenance Dept.	Installation, wiring, mounting, and troubleshooting of wiring.

Installation Progress (as of this report)

Site	Progress Update
Ambler	Access and training completed; interior cameras mounted. Exterior installation on hold pending snow melt.
ATC	Dorm cameras installed.
Buckland	Not started.
Deering	Not started.
JNES / KMHS	Access and training completed; interior cameras mounted near select restrooms and the KMHS gym.
Kiana	Not started.
Kivalina	Access and training completed; approximately 85% of interior and exterior installation complete. Cameras operational on one bus.
Kobuk	Not started.
Noatak	Access and training completed; interior cameras installed in the entryway and main MS/HS bathroom areas.
Noorvik	Installation in progress.
Selawik	Not started.
Shungnak	Not started.
District Office / Maintenance	Not started.

Grant Funding 2027 (Projected)

Formula Grant	Projected Amount	Timeline	Source	Primary Use / Impact
Category 1: Internet	\$11,609,460.00	Annually, July 1–June 30	Federal Government	Subsidizes 90% of District internet cost — benefits all staff and students.
Category 2: Hardware & Networking	\$333,433.75	July 1, 2026 – June 30, 2030	Federal Government	Subsidizes 85% of networking hardware cost — benefits all students and staff.
State Broadband Assistance Grant	\$821,180.00	Annually, July 1–June 30	State of Alaska	Covers the District's remaining 10% match on the Federal internet subsidy — benefits all students and staff.
TOTAL	\$12,764,073.75			

E-Rate Revenue

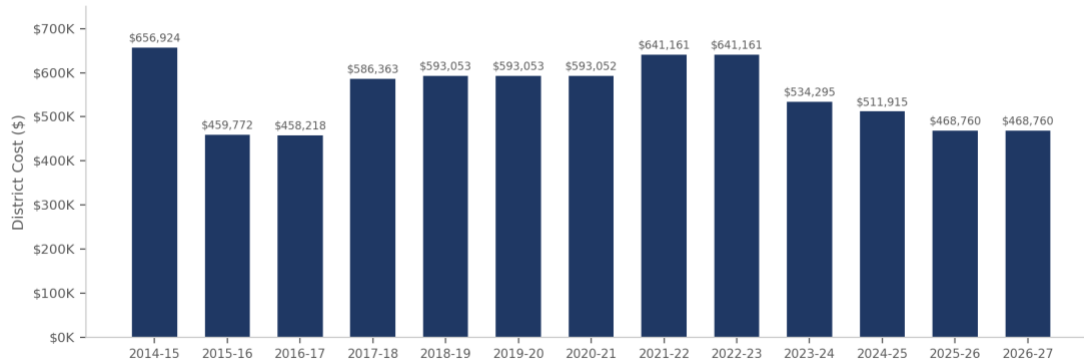
Category 2 — Hardware

- \$333,433.75 budgeted through the E-Rate Program (RFPs and a 15% District match required).
- New funding window runs FY26–FY30; the District has five years to use these funds.

Category 1 — Internet

- 2026–2027 funding of \$11,609,460.00 was awarded in Wave 1.
- The District's 10% match is buffered by the State Broadband Assistance Grant (\$821,180.40 funded for FY26, projected to be the same for FY27).
- Total District out-of-pocket cost for 2026–2027 is projected at 3.6% of actual internet costs.

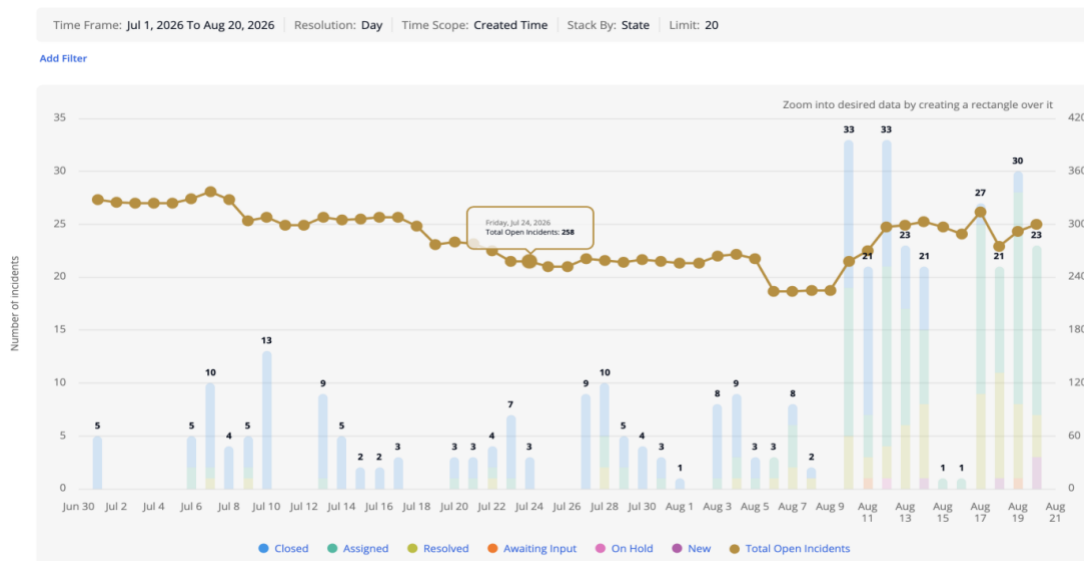
District Broadband Cost, 2014–Present



Net District broadband cost after E-Rate and State Broadband Assistance offsets, 2014–present.

Network Operations & Security Incident Summary

The chart below tracks open technology support incidents from July 1 through August 20, 2026, alongside daily incident volume by status.



District help-desk incident volume and total open incidents, July 1–August 20, 2026.

Additional Work Completed — Summer 2026

The following notable items were completed between February 10 and June 8, 2026, and over the summer, in addition to the initiatives above:

Staff Onboarding / Offboarding & Transition Support

This time of year involves significant ticket categorization and list organization to support districtwide operations. A primary focus has been facilitating staff transitions, including onboarding new hires and processing internal transfers:

- Creating and configuring Active Directory (AD) accounts and group memberships
- Provisioning appropriate Microsoft 365 licenses
- Preparing and assigning devices based on staff roles
- Enforcing Multifactor Authentication (MFA)

Other Completed Work

- Installed Polycom camera for the Board room.
- Built an IT Dashboard for documentation and aggregation of all platform data into one location.
- Rebuilt new servers in Kivalina and Selawik.
- Updated ZendTo to the latest version and set up SAML so all staff can use this secure file-transfer application (files.nwarctic.org).
- Set up a locally hosted Forgejo instance to store source code and documentation (forgejo.nwarctic.org).
- Cleaned and wiped old assets in preparation for resale; the quoted buyback value was approximately \$83,000.

Shipped Technology Assets to Sites

Site	Quantity Shipped	Date
Ambler (ABL)	6 totes, 1 box	08/03/2026
Deering (DRG)	5 totes	08/03/2026
Ambler/IAN	8 totes	08/03/2026
Kivalina (KVL)	12 totes	08/03/2026
Noorvik (ORV)	19 totes	08/03/2026
Kotzebue (WTK)	13 totes	08/03/2026
Buckland (BKC)	17 totes, 1 box	08/04/2026
Shungnak (SHG)	5 totes	08/04/2026
Selawik (WLK)	19 totes	08/10/2026
Kobuk (OBU)	5 totes	07/24/2026

Appendix A: Historical NWABSD Broadband Funding by Site

Priority level and funding source by site, 2014–present. Color coding reflects connectivity type and resiliency.

Location	2014-15	2015-16	2016-17	2017-18 ^a	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	DIFFERENCE FROM FY26 to FY27
Ambler	7/3 → 10/4	15/5	15/5	15/4	15/4	15/4	25/4	25/4	25/4	25/10	50/10	100/40	100/40	No Change
Buckland	7/3 → 10/4	15/5	15/5	20	20	20	25	25	25	25	100	100	100	No Change
Deering	7/3 → 10/4	15/5	15/5	15/4	10/4	10/4	25/4	25/4	25/4	25/10	50/10	100	100	No Change
Kiana	7/3 → 10/4	15/5	15/5	15	15	15	25	25	25	25	100	100	100	No Change
Kivalina	7/3 → 10/4	15/5	15/5	15/4	15/4	15/4	25/4	25/4	25/4	25/10	100	100	100	No Change
Kobuk	7/3 → 10/4	15/5	15/5	15/4	10/4	10/4	25/4	25/4	25/4	25/10	50/10	100/40	100/40	No Change
Noatak	7/3 → 10/4	15/5	15/5	20	20	20	25	25	25	25	100	100	100	No Change
Noorvik	7/3 → 10/4	15/5	15/5	20	20	20	25	25	25	25	100	100	100	No Change
Selawik	7/3 → 10/4	15/5	15/5	25	25	25	25	25	25	25	100	100	100	No Change
Shungnak	7/3 → 10/4	15/5	15/5	15/4	15/4	15/4	25/4	25/4	25/4	25/10	50/10	100/40	100/40	No Change
District Office	5	15/5	15/5	20	60	60	60	100	100	100	100	100	100	No Change
KMHS	5 → 10	15/5	15/5	10	10	10	25	25	25	25	100	100	100	No Change
JNES	NA	NA	NA	10	10	10	25	25	25	25	100	100	100	No Change
ATC	3	15/5	15/5	5	10	10	10	10	25	25	50	100	100	No Change
STAR Dorm	NA	NA	NA	NA	5	5	5	5	5	5	5	5	5	No Change
GEO Satellite w/no Resiliency		LEO Satellite		Fiber w/no Resiliency		Microwave/Terra Fiber w/no Resiliency		Microwave/Terra Fiber with Partial Priority						

Appendix B: Technology Refresh Cycle Plan

Planned and completed refresh cycles by asset category, August 2023–December 2027.

	Aug–Dec 2023	Jan–Jul 2024	Aug–Dec 2024	Jan–Jul 2025	Aug–Dec 2025	Jan–Jul 2026	Aug–Dec 2026	Jan–Jul 2027	Aug–Dec 2027
5-12 Laptops	6-12 Refresh 2020 (Intel); 5-8 Refresh 2023 (M1)		5-8 & 6-12 Fleets Merged					Refresh Intel MBA (450)	Refresh 5-12 Fleet/Cases 2028
SMARTBoards	Purchased 2014/2015; Warranty expired 6/30/20		10 Annually		5 Annually			5 Annually	
Principal Laptop, Secretary/DO iMacs	Secretary and DO iMac Refresh 2023	Principal Refresh/Deploy Pro/Screen 2024				Teams Fleet Laptop Update			Refresh Fleet 2030
PK-4 iPads	Refresh Fleet 2021	Prepare for App Refresh	Refresh Apps			Refresh Fleet; Prepare for App Refresh	Refresh Apps		
Staff iPads	Fleet Purchased 8/2020					Refresh PK-4 Teacher Fleet			
Staff Laptops	Refresh Fleet 2021 (M1/Intel)								Refresh Fleet 2028
Computer Labs	ATC – partial update (5yr.)			ATC full update					ATC full update 2030
Network Infrastructure (Switches, Wireless)	402 Rack Replacement; Split OTZ Circuits Switches		C2 Install Wifi-6 APs in schools IAN, ORV, BKC, DRG; KVL Switch	C2 Install Wifi-6 APs in WLK, SHG, ABL, WTK; ATC, OTZ Switches	C2 Install Wifi-6 OBU, ATC Dorm, ORV; Apple Upgrade Caching Servers – IAN, ABL, SHG, DRG, OTZ, ORV, OBU, ATC, KVL, WLK	C2 Install Wifi-6 KMHS, BKC, IAN; Apple Upgrade Caching Servers – BKC, WTK	BKC L3 Switch		
Meraki Refresh	3yr. License Renewal 2023						License Renewal 9/29/2026		C2 Access point update; License Renewal 9/29/2027
Phone System	Partial Phone Refresh 2023			Research Phone Refresh/Migration		Renew Mitel			Renew or Upgrade

Appendix B (continued)

VTC	RUS Award 2020; Complete install of RUS awarded Infrastructure		Update Polycom Camera Software				
Servers	Refresh SHG	Refresh WLK	Research Village Virtualization Servers	Purchase Pilot Servers; Plan Refresh	MS-A2 Servers – KVL, ATC, OBU, IAN		