

MEMORANDUM

TO: NWABSD Board of Education Members

DATE: June 23, 2026

FR: Office of the Superintendent

SUBJECT: Technology Report

Amy Eakin, Director of Technology, reports on the following:

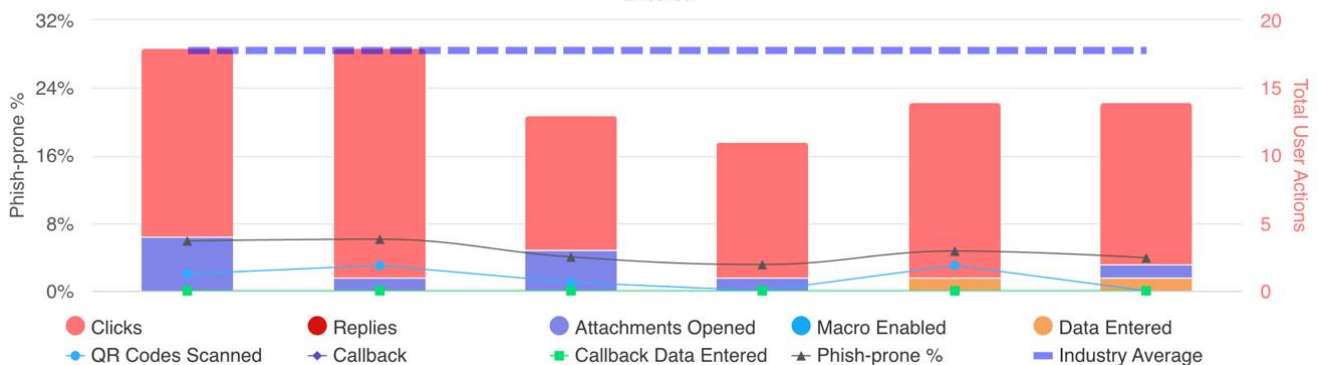
Track 1: Operational Improvements

Initiative: Optimize Business Practices

1. Agenda Items:
 - a. None
2. Cybersecurity and Data Protection Implementation
 - a. Phishing tests run monthly with follow up lessons from KnowBe4 for folks that click or respond.
 - i. Clickers Enrolled in Additional Training
 1. November – 15
 2. December – 10
 3. January – 8
 4. February – 10
 5. March – 13
 6. April – 12
 7. May - 10

Phishing Security Tests – Last 6 Months

76 Clicks, 0 Replies, 10 Attachments Opened, 0 Macro Enabled, 2 Data Entered, 9 QR Codes Scanned, 0 Callback, 0 Callback Data Entered

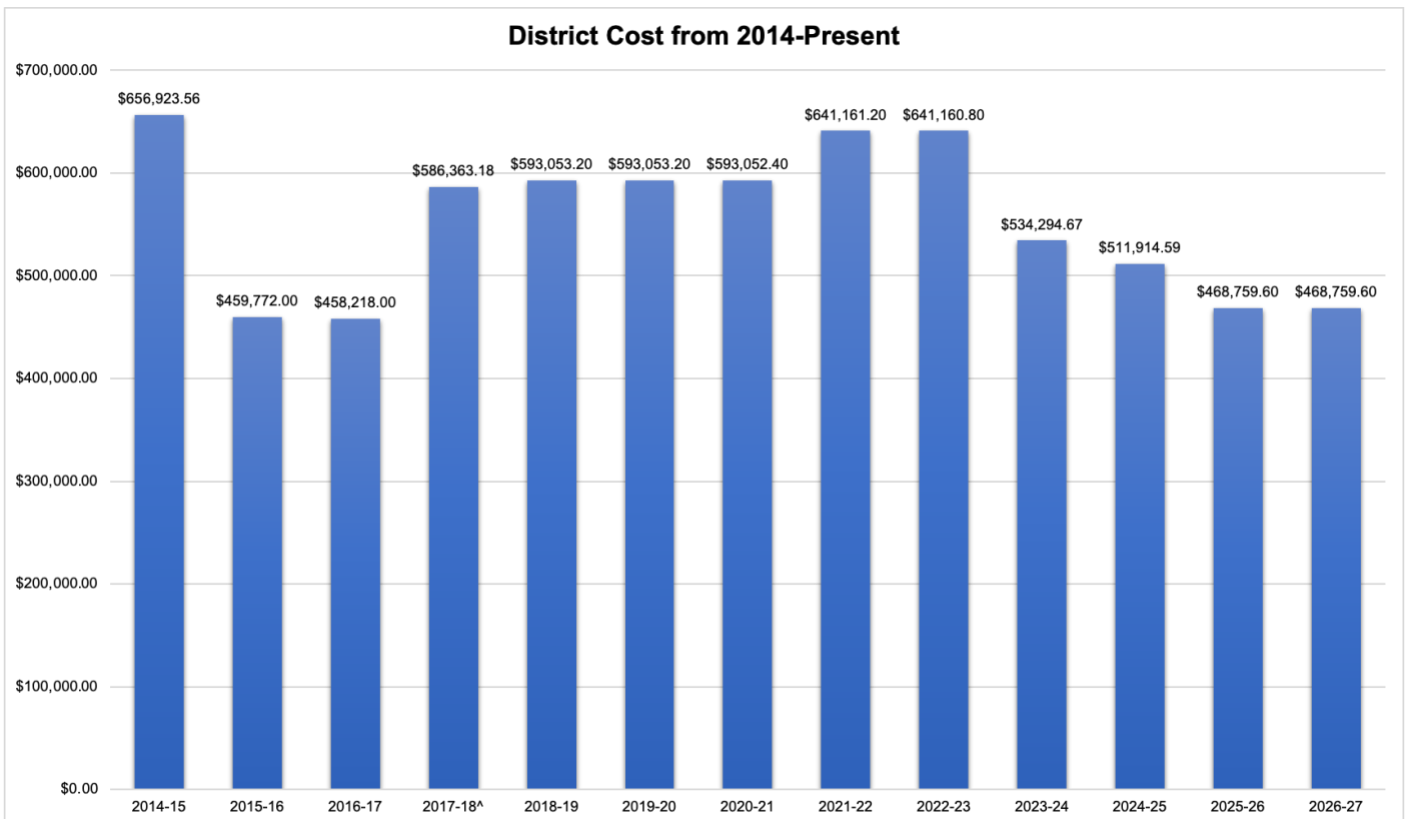


3. iPad Refresh
 - a. Student and Staff iPads were ordered and received
 - i. Asset tagged and inventoried
 - ii. Cases put on all iPads → PK-2 regular cases; staff/3-4th gr. keyboard cases
 - iii. iPads imaged – staff who are returning received their new iPads
 - iv. Students receive the new iPads in the fall for school
4. Verkada Camera/Vape System Upgrade
 - a. Camera and vape system hardware and 10-year licensing has been purchased and received for all schools in the region – interior and exterior
 - b. This was funded through a partnership of the Borough and a generous Teck Alaska donation to the District.
 - c. The online dashboards for all schools have been set up and all licensing loaded
 - d. Principals receive access and training as cameras are mounted in their schools

- e. Roles and Responsibilities
 - i. Technology Dept. - Purchase, configurations, training, generation online operation of dashboard, licensing, footage retrieval/data preservation, legal contact
 - ii. Maintenance Dept. – Installation, wiring, mounting, troubleshoot wiring
- f. Progress Update (at the time of this report):
 - i. Ambler – access and training completed; interior cameras mounted, exterior on hold for snow melt
 - ii. ATC – not started
 - iii. Buckland – not started
 - iv. Deering – not started
 - v. JNES/KMHS – access and training completed; interior cameras mounted by some restrooms and KMHS gym
 - vi. Kiana – not started
 - vii. Kivalina – access and training completed; 85% install interior and exterior, cameras on 1 bus operational
 - viii. Kobuk – not started
 - ix. Noatak – shipped to site; access and training completed; interior cameras in entryway and main MS/HS bathroom areas
 - x. Noorvik – shipped to site; not started
 - xi. Selawik – not started
 - xii. Shungnak – not started
 - xiii. District Office/Maintenance – not started

5. E-Rate Revenue

- a. Category 2 – Hardware
 - i. \$333,433.75 budgeted by E-Rate Program (RFPs & 15% match required)
 - ii. New Funding window FY26-FY30 (NWABSD has five years to use funds)
- b. Category 1 – Internet
 - i. 2026-2027 funding of \$11,609,460.00 awarded in Wave 1
 - ii. District pays a 10% match that is buffered by the State Broadband Assistance Grant (\$821,180.40 funded for FY26 – projected to be the same for FY27)
 - iii. Total out-of-pocket for 2026-2027 is projected to be 3.6% of actual internet costs



HISTORICAL NWABSD BROADBAND

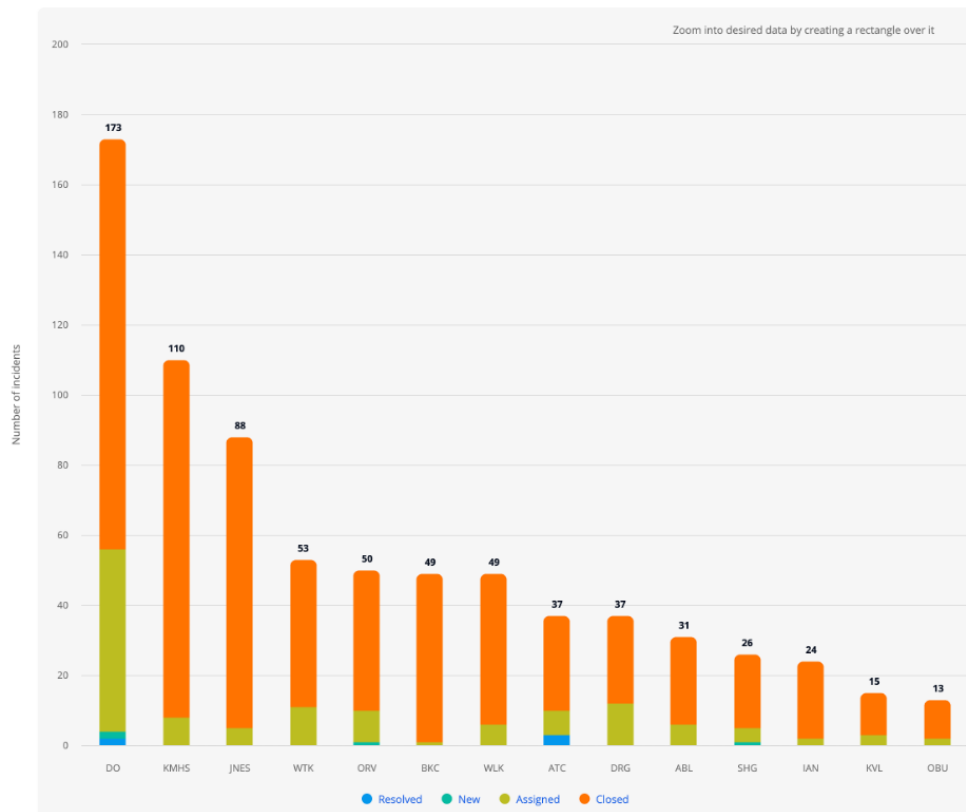
Location	2014-15	2015-16	2016-17	2017-18 ^a	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	DIFFERENCE FROM FY26 to FY27
Ambler	7/3 → 10/4	15/5	15/5	15/4	15/4	15/4	25/4	25/4	25/4	25/10	50/10	100/40	100/40	No Change
Buckland	7/3 → 10/4	15/5	15/5	20	20	20	25	25	25	25	100	100	100	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	80	80	80	100	100	100	100	100	100	No Change
KAMHS	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
Total Cost	\$5,099,210.05	\$5,166,180.00	\$5,163,480.00	\$6,303,870.00	\$5,930,532.00	\$5,930,532.00	\$7,623,192.00	\$8,104,272.00	\$8,286,448.00	\$8,005,800.00	\$21,614,383.55	\$12,899,400.00	\$12,899,400.00	\$0.00
Total E-Rate Eligible Cost	\$5,099,210.05	\$5,166,180.00	\$5,163,480.00	\$6,303,870.00	\$5,930,532.00	\$5,930,532.00	\$7,623,192.00	\$8,104,272.00	\$8,286,448.00	\$8,005,800.00	\$21,614,383.55	\$12,899,400.00	\$12,899,400.00	\$0.00
E-Rate Revenue	\$4,034,271.80	\$4,649,562.00	\$4,647,132.00	\$5,673,482.82	\$5,337,478.80	\$5,337,478.80	\$6,860,872.80	\$7,293,844.80	\$7,456,903.20	\$7,205,220.00	\$19,452,945.20	\$11,609,480.00	\$11,609,480.00	\$0.00
BAG Revenue	\$408,014.89	\$56,846.00	\$58,130.00	\$44,024.00	NA	NA	\$169,296.80	\$169,296.00	\$187,394.00	\$268,286.33	\$1,649,523.76	\$821,180.40	\$821,180.40	\$0.00
District General Funds Cost	\$656,923.56	\$459,772.00	\$458,218.00	\$596,363.18	\$593,053.20	\$593,053.20	\$593,052.40	\$641,161.20	\$641,180.80	\$534,294.67	\$511,914.59	\$468,759.60	\$468,759.60	\$0.00

GEO Satellite w/no Resiliency
LEO Satellite
Fiber w/no Resiliency
Microwave/Terra Fiber w/no Resiliency
Microwave/Terra Fiber with Partial Priority

	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

									VOIP 6/30/2029
VTC	RUS Award 2020; Complete install of RUS awarded Infrastructure		Update Polycom Camera Software						Deploy Refreshed Teams MPBs
Servers	Refresh SHG	Refresh WLK	Research Village Virtualization Servers	Purchase Pilot Servers; Plan Refresh	MS-A2 Servers – KVL, ATC, OBU, IAN (pilot)			DO Server Refresh 2027	
Windows Infrastructure	Windows 2019 Server Upgrade 2023								Windows Server Upgrade 2030

Additional work completed:
February 10, 2026 – June 8, 2026



Report on IT Initiatives and Updates

- **Staff Onboarding & 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)

- **Reevaluate MFA deployment for next year with resistant-phishing authentication fobs:**

- Reviewing Thetis Nano-C
- Reviewing Yubikey 5c Nano

- **Updated the Boardroom Polycom camera system:**

- Rewired the room to improve organization, reliability, and ease of troubleshooting.

- **Azure SSO certificate management updates:**

- Added all SSO certificate renewal dates to the Technology Calendar.
- Updated certificate renewal alert notifications to be sent to: kwang@nwarctic.org, pwood@nwarctic.org & techdirector@nwarctic.org.

- **Year-end inventory, device cleaning and fee ticket processing:**

- Ambler 7 totes
- Buckland 16 totes
- Deering 6 totes, 1 box
- Kiana 7 totes
- Kivalina 14 totes, 1 box
- Kobuk 5 totes, 3 boxes
- Noorvik 18 totes
- Shungnak 8 totes
- Selawik 18 totes
- Noatak 13 totes