TO: NWABSD Board of Education
Members

FR: Office of the Superintendent

DATE: June 6, 2023

NUMBER: Worksession Item #I. e.

SUBJECT: a.) Technology
Report

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

Track 1: Operational Improvements
Initiative: Optimize Business Practices

1. NWABSD Website & Social Media (Facebook via Hootsuite)
   a. Website
      i. The current NWABSD is obsolete and getting migrated to SchoolMessenger
      ii. New services provide SafeArrival and Communicate for absentee and emergency alerts, mobile apps for phones and iPads, and a social media management platform
      iii. The new website is scheduled to go live Jun 30, 2023
      iv. The SafeArrival student excusal system will be available to start the FY24 school year
      v. Monsido will take over the new website accessibility crawling
      vi. Staff are scheduled to be trained throughout the fall inservice on the new communications system
   b. Emergency Connectivity Fund (ECF) Public Relations Campaign
      i. Facebook posts scheduled to go out twice weekly across all school pages through August
      ii. All school website rotators include an ECF ad
      iii. Physically hung flyers around Kotzebue
      iv. Coordinated with KOTZ radio to have recurring radio messages
   v. Coordinated with Maniilaq HR to send an all-staff email about the program to encourage more to register
   c. Literacy Tips and Alaska Reads Act
      i. Link to parent guide posted across all school FB pages
      ii. Starting 5/24 weekly literacy tips for parents scheduled to post through August all school pages to promote #akreads
         1. Information sourced from ELF, Curriculum Department, and *Common Sense Media*
      iii. Actively monitoring the DEED website and social media to share out any informative posts about the AK Reads Act
   d. Tech Tips for Parents
      i. Starting 5/24 weekly tech tips for parents will be posted across all school pages (through August)
         1. Information sourced from *Common Sense Media* & ISTE sponsored resources
      ii.
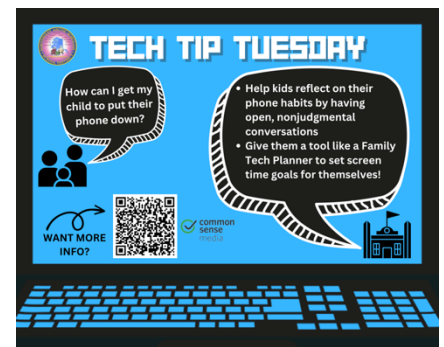
2. Emergency Connectivity - Student/Staff Home Internet Update:
   a. Approximately 645 student and staff homes out of 1012 estimated possible have been connected to unlimited internet through the use of the Emergency Connectivity Fund.
   b. Access to this free internet ends December 31, 2023.
   c. Window 1 closed at the end of February and getting fiscally reconciled
   d. Window 3 is currently being expended until the end of December

CARRIER	VILLAGE	Student Homes Activated	Staff Homes Activated	Total Activated	Total Possible Student Homes	Total Possible Staff Homes	Total Homes Possible	Percent Activated of Total Possible
OTZ Telephone	AMBLER	22	7	29	32	13	45	64%
OTZ Telephone	BUCKLAND	54	15	69	68	19	87	79%
OTZ Telephone	DEERING	18	5	23	25	10	35	66%
OTZ Telephone	KIANA	54	8	62	53	22	75	83%
OTZ Telephone	KIVALINA	59	7	66	57	17	74	89%
OTZ Telephone	KOBUK	17	4	21	20	10	30	70%
GCI	KOTZEBUE	61	30	91	321	64	385	24%
OTZ Telephone	NOATAK	71	8	79	78	25	103	77%
OTZ Telephone	NOORVIK	62	15	77	81	26	107	72%
OTZ Telephone	SELAWIK	91	21	112	104	33	137	82%
OTZ Telephone	SHUNGNAK	31	9	40	33	12	45	89%
	TOTALS	540	129	669	872	251	1123	60%

3. School Internet

   All estimates are based on applications for E-Rate funding, Broadband Assistance Grant (BAG) funding, and Board approval of school internet.

   a. FY24 Estimated Internet Budget Overview

   Cost for Internet in Schools $8,005,800.00

   E-Rate Revenue – FUNDED $7,205,220.00
   BAG Grant Revenue – estimated $ 289,821.20

   Total General Funds Cost for Internet $ 510,758.80

   Total Estimated Decrease in District Cost from FY23 to FY24 $(130,402.00)

   b. Universal Service Administration Company (USAC) Audits
      1) Beneficiary and Contributor Audit Program (BCAP) Audit for 2020-2021
         i. Category 1 Funding
            1. All internet services to schools via GCI
         ii. Category 2 Funding
            1. Includes hardware purchased for JNES, Kobuk
         iii. No findings (an initial finding was rebutted; USAC agreed and reversed the finding)
      2) Emergency Connectivity Fund (ECF) Audit
         iv. ECF Window 1
         v. Internet Services for Teacher Housing

vi. In progress, no feedback as of now
3) FY2023 (2023-2024 E-Rate Window) Program Integrity Assurance (PIA) and Selective Review for Cost Effectiveness
      vii. Received within 36 hours of filing for E-Rate funding
     viii. All requested items were submitted and the District was funded for the 2023-2024 school year in wave 1
      ix. Several high-dollar Alaska School Districts received the same PIA Review this year within the same timeframe
4) E-Rate Service Certification for April 2022-2023
      x. Review to confirm receiving the service and that the District paid the appropriate share

	Jan-Jul 2022	Aug–Dec 2022	Jan-Jul 2023	Aug–Dec 2023	Jan-Jul 2024	Aug–Dec 2024
High School Laptops	Refresh 2020					Refresh Fleet 2025
5-8 School Laptops	Refresh Fleet S2018 Purchase Cases		Refresh Fleet 2023			
SMARTBoards	Purchased 2014/2015; Warranty expired 6/30/20	10 Annually		10 Annually		10 Annually
Secretary, Principal, DO iMacs	Principals – purchased 8/2017; Secretary and DO iMac Refresh		Principal iMac Refresh	Complete DO iMac Refresh		
K-4 iPads (PK-4)	Refresh Fleet 2021; Refresh Apps				Refresh Apps 2024	Refresh Fleet 2026
Staff iPads	Fleet Purchased 8/2020					Refresh Fleet 2025
Staff Laptops	Refresh Fleet 2021					Refresh Fleet 2026
Computer Labs	ATC – partial update (5yr.)		ATC – partial update (5yr.)		ATC – partial update (5yr.)	
Network Infrastructure (Switches, Wireless)			402 Rack Replacement	Split OTZ Circuits Switches	C2 Install Wifi-6 APs in schools WLK, IAN, ORV	C2 Install Wifi-6 APs in schools BKC, DRG, OTZ
Meraki Refresh		License Renewal				License Renewal
Mitel Phone System		Partial Phone Refresh				
VTC	RUS Award 2020; Complete install of RUS awarded Infrastructure			RUS; Refresh Polycom 2023		
Servers	Refresh ABL/WTK/ORV	Refresh SHG	Refresh WLK			DO Server refresh 2027
Windows Infrastructure			Windows 2019 Server Upgrade			

February 23, 2023 – May 19, 2023
Additional Items Serviced by the Technology Department:

- Facilitated districtwide staff changes by creating accounts for new hires and transfers, including setting up Active Directory (AD), email, Microsoft licensing, and Teams policies. Additionally, prepared technology assets for the staff members.

- Facilitated districtwide student changes by creating accounts for new students, transfers, including setting up Active Directory (AD), email, Microsoft licensing, and Teams student policies. Additionally, prepared technology assets for the student.

- Successfully deployed DRC (Data Recognition Corporation) caching servers to all sites, enhancing the efficiency of DRC assessments. Additionally, built DRC and MAPS assessment client software and settings across all assets in our district. This guarantees that technology did not hinder the assessment of students.

- Deployed and managed specialized Wi-Fi networks throughout the district to cater to specific needs such as NANA, Fish and Game, Eye Doctors, Sporting Events, Photographers, and the BBC.

- Provided comprehensive support for the annual NANA meeting by traveling to the site, running network cables, and collaborating with their team to establish a high-quality connection for the event. Assisted in installing printers on devices and delivered Wi-Fi services to media personnel and other NANA members.

- Upgraded infrastructure by replacing four outdated Cisco 3560G switches with Meraki MS225 switches in the communication rack room 440. This upgrade significantly improved the quality of our fiber connection between KMHS and DO.

- Successfully received all technology assets from every site across the region. Our team has begun the process of inventory, cleaning, repair, and imaging for all technology assets.

- Completed the migration to a new server in Noatak, ensuring seamless operations and improved server performance.

Tickets worked on between 2/23/23 12:00 am and 5/19/23 12:00 am