

MEMORANDUM

TO: NWABSD Board of Education
Members

DATE: August 30, 2023

NUMBER: Worksession Item #1. e.

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. NWABSD Website & Social Media (Facebook via Hootsuite)
 - a. Website
 - i. SchoolMessenger is the new website host.
 1. The District calendar has been updated and linked to all school calendars for common dates
 - ii. New services provide SafeArrival and Communicate for absentee and emergency broadcasts, mobile apps for phones and iPads, and a social media management platform.
 - iii. Communicate for broadcasting announcements and emergencies has been configured. Principals have previewed the system. A public campaign is going out so schools can prepare the communities for the new broadcast system.
 - iv. The SafeArrival student excusal system is operated out of Student Services and will be ready later this fall.
 - b. Emergency Connectivity Fund (ECF) Public Relations Campaign
 - i. All new staff have been told and emailed about the free internet through the Emergency Connectivity fund
 - ii. New employees are currently signing up!
2. Emergency Connectivity - Student/Staff Home Internet Update:
 - a. The District has applied to expend all allocated funding which has been projected to last through February 2024.
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	<u>\$8,005,800.00</u>
E-Rate Revenue – FUNDED	\$7,205,220.00
BAG Grant Revenue – estimated	\$ 289,821.20
Total General Funds Cost for Internet	<u>\$ 510,758.80</u>
Total Estimated Decrease in District Cost from FY23 to FY24	\$(130,402.00)

b. Kotzebue Internet

- i. The Quintillion fiber was spliced in June
- ii. The District Office had one Starlink satellite on site and immediately connected to that to continue basic operations
- iii. GCI was able to provide Satellite internet service
- iv. 4 more Starlink satellites were purchased, mounted and deployed

1. Each school (JNES, KMHS, ATC) and the District Office have their own dedicated Starlink satellite
 2. The original satellite was vandalized and no longer works
- v. Quintillion fiber repairs are currently projected to be completed by the end of August (<https://www.quintillionglobal.com/service-outage/>)

	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			