

W2/1099's Library

Network Filter

VoIP

EMIS Fiber

Student

Support

Data Storage

Fiscal

WiFi

# ACCESS COUNCIL

NOVEMBER ASSEMBLY MEETING - 2022

## **ASSEMBLY MEETING – November 4, 2022**

- **Welcome**
- **Call to Order**
- **Roll Call**
- **Approve Agenda**
- **Approve Minutes of April 2022 Assembly Meeting**
- **Approve October 2022 Financial Reports**
- **Network Services**
- **Adjourn**

# Financials for Approval

Reporting Period: October 2022 (FY 2023)

11/2/22 8:16 AM

## ACCESS COUNCIL Cash Summary Report

Full Account Code	Description	Initial Cash	MTD Received	FYTD Received	MTD Expended	FYTD Expended	Fund Balance	Encumbrance	Unencumbered Balance
025-0000	COMPUTER NETWORK - DATA ACQUISITION	\$ 603,166.26	\$ 303,168.24	\$ 1,029,057.34	\$ 325,141.15	\$ 1,195,288.62	\$ 436,934.98	\$ 1,649,196.92	\$ (1,212,261.94)
025-903F	FIBER NETWORK MAINTENANCE/REPAIRS	401,150.83	0.00	0.00	0.00	0.00	401,150.83	0.00	401,150.83
025-9050	ACCESS ONENET SUBSIDY	197,332.56	51,300.00	51,300.00	17,271.58	89,809.58	158,822.98	0.00	158,822.98
025-905D	ACCESS DIOCESE STATE SUBSIDY	65,249.62	2,919.67	6,660.88	599.00	2,396.00	69,514.50	4,804.00	64,710.50
025-905E	ACCESS EMIS SUBSIDY	0.00	3,757.76	10,411.52	0.00	2,896.00	7,515.52	0.00	7,515.52
025-905H	COMPUTER NETWORK - HUNTINGTON TRUST	3,177.05	0.00	0.00	0.00	0.00	3,177.05	0.00	3,177.05
499-9023	BROADBAND OHIO STATE GRANT	0.00	0.00	44,000.00	0.00	44,000.00	0.00	0.00	0.00
<b>Grand Total</b>		<b>\$ 1,270,076.32</b>	<b>\$ 361,145.67</b>	<b>\$ 1,141,429.74</b>	<b>\$ 343,011.73</b>	<b>\$ 1,334,390.20</b>	<b>\$ 1,077,115.86</b>	<b>\$ 1,654,000.92</b>	<b>\$ (576,885.06)</b>

## FINANCIAL UPDATE – Brian Stidham, Treasurer

### FY2023 Projections All Funds

■ Beginning Balance	\$1,270,076.32
■ Revenues	\$3,868,821.31
■ Expenses	\$3,944,964.04
■ Projected Ending Balance	\$1,193,933.59
■ Less Fiber Fund	\$501,150.83
■ Unreserved Ending Balance	\$692,782.76

# ACCESS COUNCIL

## Forecast as of 11/4/2022

### FY2022 - FY2026

	Actual			Estimated			
	FY20	FY21	FY22	FY23	FY24	FY25	FY26
<b><u>Beginning Balance</u></b>	<b><u>1,008,282.27</u></b>	<b><u>876,889.07</u></b>	<b><u>1,036,315.82</u></b>	<b><u>1,270,076.32</u></b>	<b><u>1,193,933.59</u></b>	<b><u>1,277,203.45</u></b>	<b><u>1,225,879.15</u></b>
<b><u>Revenues</u></b>							
Interest	11,603.83	1,799.62	3,824.89	14,500.00	14,500.00	14,500.00	14,500.00
Rents	12,000.00	12,000.00	12,000.00	12,000.00	-	-	-
Internet Services to Non-members	184,922.70	223,118.81	244,646.74	255,000.00	255,000.00	255,000.00	255,000.00
Wireless Services to Non-members	-	628.09	1,972.20	628.09	628.09	628.09	628.09
Chargeback to Commercial Partner	145,943.12	139,192.57	183,407.34	135,000.00	135,000.00	135,000.00	135,000.00
Internet/Other Services to Districts	830,130.05	880,911.27	845,110.85	1,324,289.86	1,324,289.86	1,324,289.86	1,324,289.86
Servers/Storage from Districts	9,467.87	38,681.98	242,126.64	12,241.00	12,241.00	12,241.00	12,241.00
Voice Receipts from Districts	233,145.24	232,329.72	302,146.14	370,000.00	370,000.00	370,000.00	370,000.00
Wireless Receipts from Districts	43,332.73	39,201.78	35,845.91	35,850.00	35,850.00	35,850.00	35,850.00
Misc Receipts	82.16	6,715.08	6,304.39	-	-	-	-
Subsidy-Restricted Grants in Aid	160,808.43	160,698.91	159,799.51	159,799.51	186,249.11	186,249.11	186,249.11
Erate Voice receipts	-	-	-	-	-	-	-
Erate Wireless Receipts	130,606.67	93,874.01	161,292.14	80,000.00	80,000.00	80,000.00	80,000.00
Erate Internet Receipts	1,047,657.63	1,127,674.41	1,152,378.66	1,150,000.00	1,150,000.00	1,150,000.00	1,150,000.00
Refund of Pr Yr Expenditure	4,410.58	41,649.99	32,491.66	100.00	100.00	100.00	100.00
Fiber Fund Transfer In	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00
One Net Subsidy from Districts	172,800.00	171,000.00	167,400.00	167,400.00	167,400.00	167,400.00	167,400.00
Diocese Services Receipts	13,834.19	17,628.02	15,367.98	15,116.90	15,116.90	15,116.90	15,116.90
Erate Diocese	12,105.76	7,104.68	15,085.08	15,066.10	15,066.10	15,066.10	15,066.10
EMIS Subsidy	21,926.54	22,024.15	21,072.82	21,829.85	21,829.85	21,829.85	21,829.85
<b><u>Total Revenues</u></b>	<b><u>3,134,777.50</u></b>	<b><u>3,316,233.09</u></b>	<b><u>3,702,272.95</u></b>	<b><u>3,868,821.31</u></b>	<b><u>3,883,270.91</u></b>	<b><u>3,883,270.91</u></b>	<b><u>3,883,270.91</u></b>

	Actual			Estimated			
	FY20	FY21	FY22	FY23	FY24	FY25	FY26
Salaries	852,166.75	872,682.16	893,445.78	984,255.84	1,035,776.70	1,043,968.59	1,050,530.00
Benefits	381,330.08	380,375.28	385,291.04	481,341.09	514,566.37	529,315.23	544,467.70
Purchased Services	1,093,168.07	1,120,106.90	1,001,769.13	1,127,388.17	969,562.55	961,872.53	962,218.36
Supplies	651,579.54	512,945.94	765,676.72	846,994.54	841,760.92	855,204.34	871,254.14
Fees/Dues	32,945.85	56,449.16	56,435.90	64,022.00	63,760.00	64,160.00	64,160.00
Capital Outlay	154,980.41	114,246.90	265,893.88	340,962.40	274,574.52	380,074.52	374,574.52
Transfers to Fiber Fund	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00	100,000.00
<b><u>Total Expenses</u></b>	<b>3,266,170.70</b>	<b>3,156,806.34</b>	<b>3,468,512.45</b>	<b>3,944,964.04</b>	<b>3,800,001.05</b>	<b>3,934,595.21</b>	<b>3,967,204.72</b>
<b>Ending Cash Balance</b>	<b>876,889.07</b>	<b>1,036,315.82</b>	<b>1,270,076.32</b>	<b>1,193,933.59</b>	<b>1,277,203.45</b>	<b>1,225,879.15</b>	<b>1,141,945.34</b>
<b>Excess Revenue over/under Expenses</b>	<b>(131,393.20)</b>	<b>159,426.75</b>	<b>233,760.50</b>	<b>(76,142.73)</b>	<b>83,269.86</b>	<b>(51,324.30)</b>	<b>(83,933.81)</b>
<b>Less Fiber Fund Reserve</b>	<b>201,150.83</b>	<b>301,150.83</b>	<b>401,150.83</b>	<b>501,150.83</b>	<b>601,150.83</b>	<b>701,150.83</b>	<b>801,150.83</b>
<b>Unreserved Balance</b>	<b>675,738.24</b>	<b>735,164.99</b>	<b>868,925.49</b>	<b>692,782.76</b>	<b>676,052.62</b>	<b>524,728.32</b>	<b>340,794.51</b>

 **340,794.51**

## FINANCIAL UPDATE Cont.

### Key Items

- **FY23 Application Services Fee Increase**
- **New non-member services added in FY22 and FY23**
- **Security needs requiring additional expenditures**
- **Network Infrastructure/Other Equipment refreshes**
- **Increases from Software/Maintenance providers**
- **Legal fees substantially higher in FY22/FY23 for work on the Port Authority Fiber Agreements**

**Vote for approval of Financials**

# Network Services – Update

## **DUO – Multi-Factor authentication – In Progress**

- Phase 1 – Remote access VPN – Complete
- Phase 2 – Redesign – 23 of 39 districts Complete
- Phase 3 – Student information & SSO – Under Review

## **Webfilter – GoGuardian conversion – Complete**

## **Insurance / CyberSecurity Training**

*\* District requirement*

## **ACCESS Network Vulnerability Policy – Tom Davies**

**Future support needs– Security Operation Center / Security Lead / Tier 1 support**



# **Cyber Security**

## **New ACCESS Network Vulnerability Policy**

**Tom Davies**

# Background Info

## Network Vulnerability:

a weakness in an IT system that can be exploited by an attacker to grant them access or privileges they would not otherwise have

## How are Vulnerabilities Classified?

Into 4 groups, based on the risk associated with the vulnerability: **Low**, **Medium**, **High**, and **Critical**

**CVSS is an industry standard scoring system**

Rating	CVSS Score
None	0.0
Low	0.1-3.9
Medium	4.0-6.9
High	7.0-8.9
Critical	9.0-10.0

# ACCESS Partners



# Vulnerability History

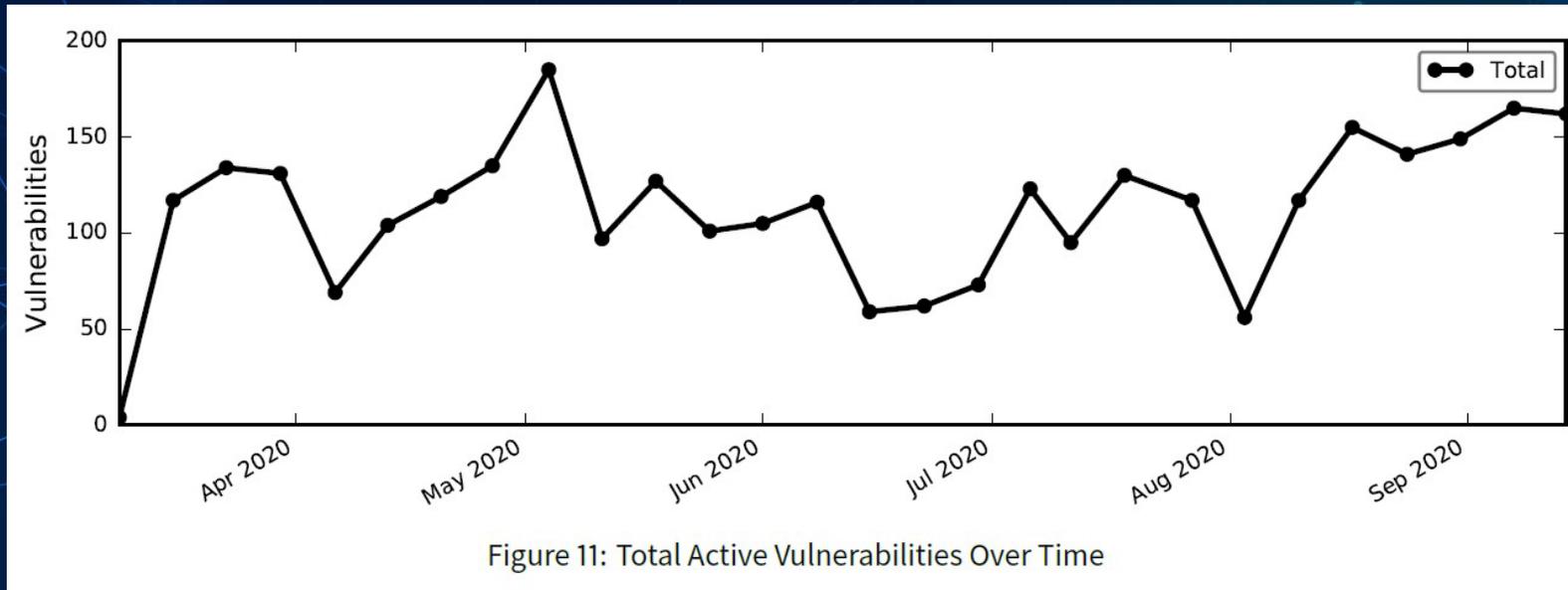


Figure 11: Total Active Vulnerabilities Over Time

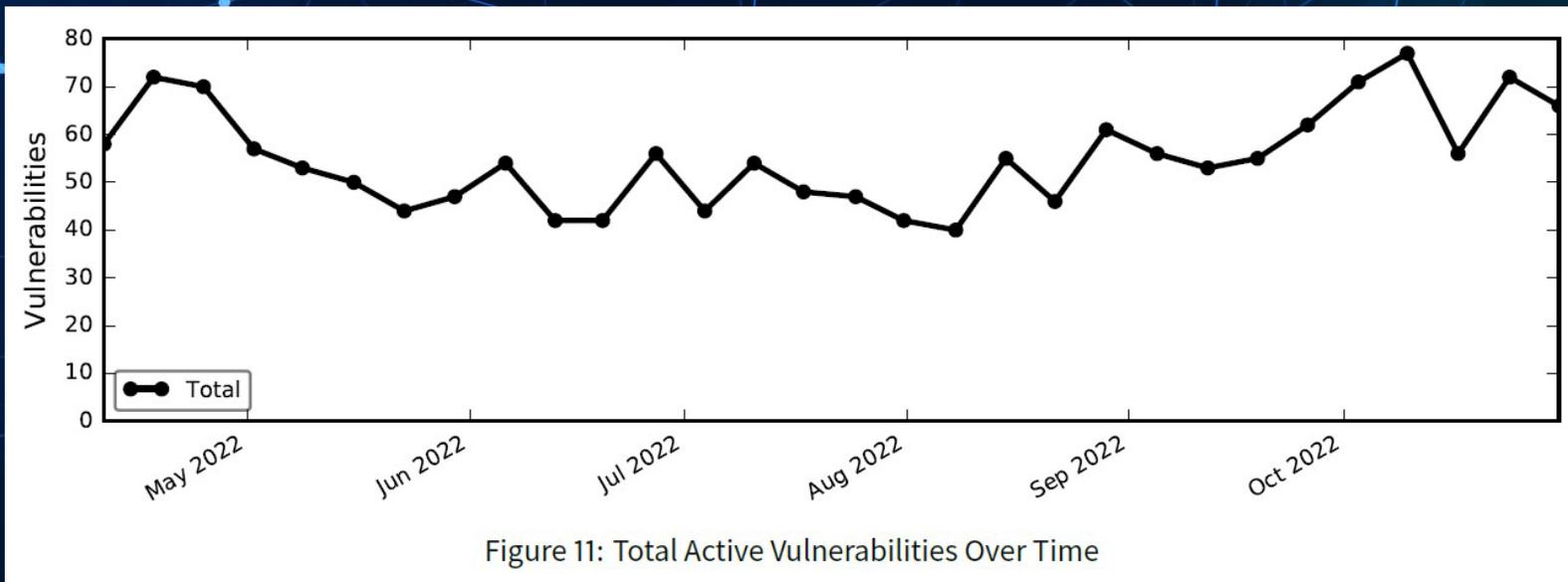


Figure 11: Total Active Vulnerabilities Over Time

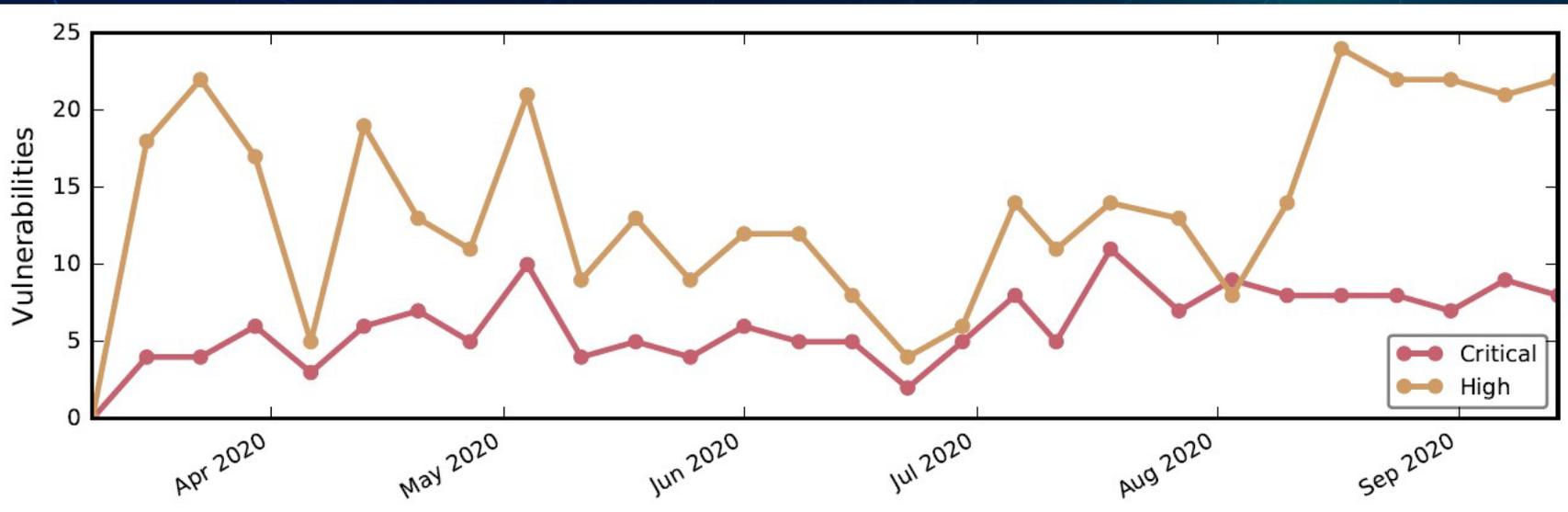


Figure 12: Active Critical and High Vulnerabilities Over Time

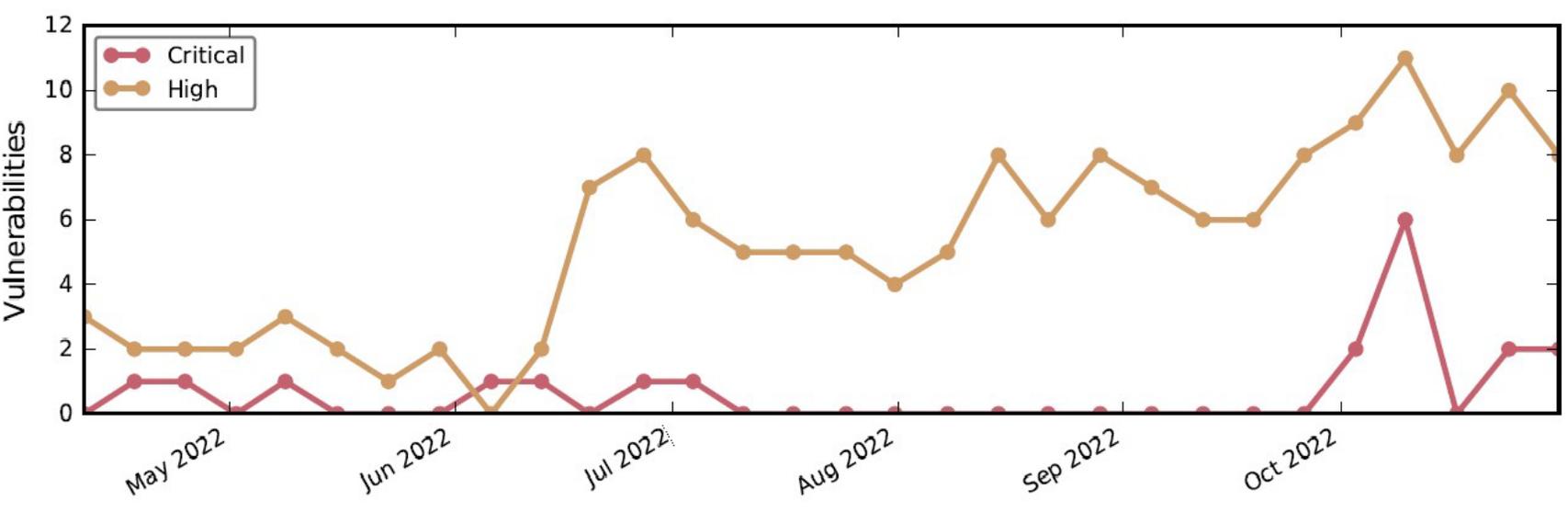


Figure 12: Active Critical and High Vulnerabilities Over Time

# **ACCESS Network Vulnerability Mitigation Policy**

## **Purpose:**

- **Reduce our exposure to cyber attack by identifying and mitigating network vulnerabilities in a timely manner**

## **Implementation:**

- **Define mitigation timeframes based on severity (CVSS Score)**
- **Establish notification procedure**
- **Establish procedure to address vulnerabilities not mitigated within defined timeframes**

# Timeframes

Rating	Notification	Response	Mitigation
<b>Low</b>	5 days	5 days	40 days
<b>Medium</b>	5 days	5 days	10 days
<b>High</b>	1 day	1 day	2 days
<b>Critical</b>	1 day	1 day	2 days

**\*Days are business days, not calendar days**

# What Happens If It Can't Be Mitigated?

## Options:

- **ACCESS** will block the vulnerable system from the network
- District administration can do a risk assessment and decide to accept the risk

**Low/Medium** risk acceptance requires signed authorization from district administration.

Due to the shared environment of our consortium network, **High/Critical** risk acceptance requires ACCESS Board approval.

Thank you for attending!

Next Assembly Meeting  
April, 2023

## ACCESS Council

493 Bev Road, Unit 1  
Boardman, Ohio 44512  
330-702-7860

<http://www.access-k12.org>