ACCESS COUNCIL
April 14, 2023

ASSEMBLY MEETING – April 14, 2023

Welcome

Call to Order

Roll Call – Sign In Sheet

Approve Agenda

Approve Minutes of November 2022 Assembly Meeting

ACCESS Survey

Fiber Update

Approve March 2023 Financial Reports

Student/EMIS Services
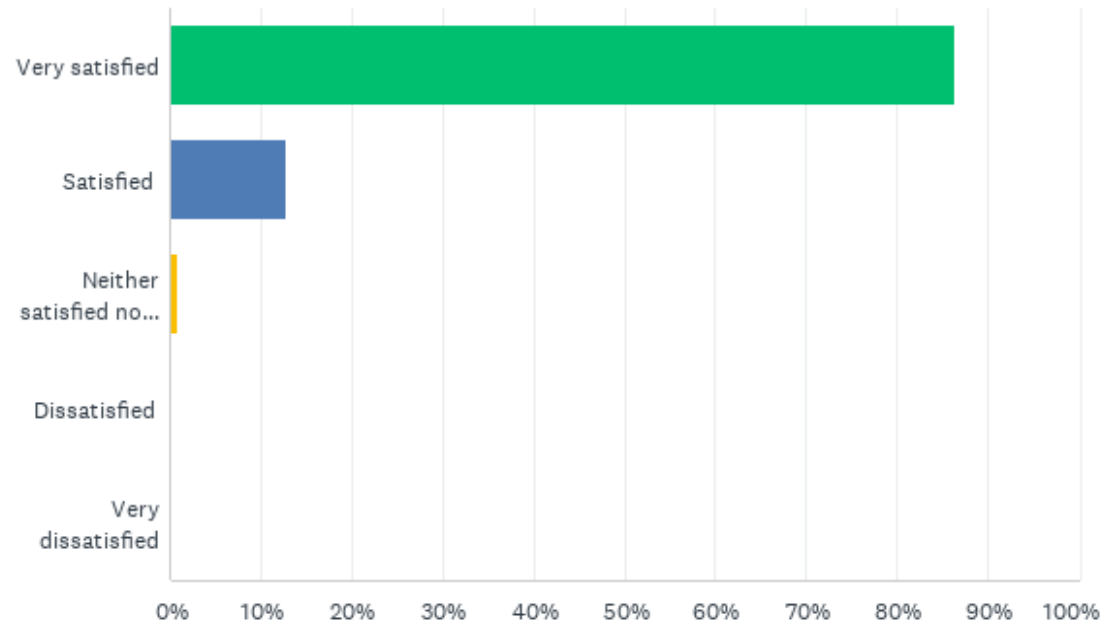
Network Services - Security

Board Member Caucus

Adjourn

2023 ACCESS SURVEY – 125 RESPONDENTS
THANK YOU FOR PARTICIPATING.

Q3 Overall, please indicate your level of satisfaction with the services you receive from ACCESS.

BROADBAND & ACCESS FIBER NETWORK

- **Commercial Partner Fiber Agreements**
  Resolution Passed by the ACCESS Board of Directors March 28, 2023

- **A RESOLUTION APPROVING A COOPERATIVE BROADBAND NETWORK DEVELOPMENT AGREEMENT WITH THE COLUMBIANA COUNTY PORT AUTHORITY AND INVOLTA, LLC; AUTHORIZING EXECUTION AND DELIVERY BY ACCESS OF SUCH COOPERATIVE AGREEMENT AND PERFORMANCE OF ITS OBLIGATIONS THEREUNDER, INCLUDING AMENDING AND RESTATING EXISTING AGREEMENTS WITH SUCH PARTIES RELATING TO THE OWNERSHIP, LEASE, USE, MAINTENANCE AND REPAIR OF FIBER WITHIN THE ACCESS FIBER OPTIC NETWORK AND RENEWING AND EXTENDING THE TERM THEREOF, AND INCLUDING ACCEPTANCE OF A PROPOSED DONATION OF FIBER OPTIC CABLE FOR ACCESS COUNCIL PURPOSES AND APPROVAL OF A RELATED DONATION AGREEMENT, AND CONDITIONS AND STIPULATIONS TO SUCH DONATION; MAKING RELATED FINDINGS AND DETERMINATIONS; AUTHORIZING EXECUTION AND DELIVERY BY ACCESS COUNCIL OF ALL RELATED AGREEMENTS; AND AUTHORIZING AND APPROVING RELATED MATTERS.**

BENEFITS OF FIBER AGREEMENT

- New plant to replace existing

- Office connectivity

- Increased capacity

- Maintenance benefits

- Expanded footprint

FINANCIALS FOR APPROVAL

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 ACQUISTION	$ 603,166.26	$ 258,893.32	$ 2,596,985.37	$ 218,665.52	$ 2,257,159.15	$ 942,992.48	$ 1,116,607.28	$ (173,614.80)
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	59,400.00	140,400.00	0.00	126,558.90	211,173.66	0.00	211,173.66
025-905D	ACCESS DIOCESE STATE SUBSIDY	65,249.62	1,396.09	14,497.59	599.00	5,391.00	74,356.21	1,809.00	72,547.21
025-905E	ACCESS EMIS SUBSIDY	0.00	0.00	14,169.04	0.00	14,169.04	0.00	0.00	0.00
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
Grand Total		$ 1,270,076.32	$ 319,689.41	$ 2,810,052.00	$ 219,264.52	$ 2,447,278.09	$ 1,632,850.23	$ 1,118,416.28	$ 514,433.95

FINANCIAL UPDATE – Brian Stidham, Treasurer

FY2023 Projections All Funds
- Beginning Balance   **$1,270,076.32**
- Revenues   **$3,762,979.22**
- Expenses   **$3,932,781.61**
- Projected Ending Balance   **$1,100,273.93**
- Less Fiber Fund   **$501,150.83**
- Unreserved Ending Balance   **$599,123.10**

ACCESS COUNCIL
Forecast as of 4/14/2023
FY2023 - FY2026

	Actual			Estimated			
	FY20	**FY21**	**FY22**	**FY23**	**FY24**	**FY25**	**FY26**
Beginning Balance	1,008,282.27	876,889.07	1,036,315.82	1,270,076.32	1,100,273.93	1,132,253.42	1,231,924.88
Revenues							
Interest	11,603.83	1,799.62	3,824.89	45,000.00	40,000.00	35,000.00	35,000.00
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	245,000.00	305,000.00	305,000.00	305,000.00
Wireless Services to Non-members	-	628.09	1,972.20	10,872.00	10,872.00	10,872.00	10,872.00
Chargeback to Commercial Partner	145,943.12	139,192.57	183,407.34	90,932.00	111,167.00	111,391.00	113,718.00
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	12,789.00	12,789.00	12,789.00	12,789.00
Voice Receipts from Districts	233,145.24	232,329.72	302,146.14	320,000.00	332,000.00	332,000.00	332,000.00
Wireless Receipts from Districts	43,332.73	39,201.78	35,845.91	44,955.00	48,920.00	48,920.00	48,920.00
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	68,712.00	68,712.00	68,712.00	68,712.00
Erate Internet Receipts	1,047,657.63	1,127,674.41	1,152,378.66	1,120,615.00	1,120,615.00	1,120,615.00	1,120,615.00
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	16,135.00	16,135.00	16,135.00	16,135.00
Erate Diocese	12,105.76	7,104.68	15,085.08	2,550.00	2,550.00	2,550.00	2,550.00
EMIS Subsidy	21,926.54	22,024.15	21,072.82	21,829.85	24,620.00	24,620.00	24,620.00
Total Revenues	3,134,777.50	3,316,233.09	3,702,272.95	3,762,979.22	3,871,418.97	3,866,642.97	3,868,959.97

	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	466,991.09	528,916.37	546,699.46	544,467.70
Purchased Services	1,093,168.07	1,120,106.90	1,000,573.13	1,169,753.58	957,826.48	819,032.40	840,966.80
Supplies	651,579.54	512,945.94	766,872.72	872,212.70	866,801.42	880,902.54	897,650.60
Fees/Dues	32,945.85	56,449.16	56,435.90	59,602.00	60,544.00	61,794.00	62,794.00
Capital Outlay	154,980.41	114,246.90	265,893.88	279,966.40	289,574.52	314,574.52	274,574.52
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
Total Expenses	3,266,170.70	3,156,806.34	3,468,512.45	3,932,781.61	3,839,439.48	3,766,971.51	3,770,983.62
Ending Cash Balance	876,889.07	1,036,315.82	1,270,076.32	1,100,273.93	1,132,253.42	1,231,924.88	1,329,911.24
Excess Revenue over/under Expenses	(131,393.20)	159,426.75	233,760.50	(169,802.39)	31,979.49	99,671.46	97,986.35
Less Fiber Fund Reserve	201,150.83	301,150.83	401,150.83	501,150.83	601,150.83	701,150.83	801,150.83
Unreserved Balance	675,738.24	735,164.99	868,925.49	599,123.10	531,102.59	530,774.05	528,760.41

528,760.41

FINANCIAL UPDATE CONT.

Potential need for fee increase yet to be determined

- Security needs requiring additional expenditures
- Increases from Software/Maintenance providers
- Actual costs for Network Equipment replacements
- Targeted Unreserved fund balance of $750,000-$1,000,000
- Proposed state budget currently includes a modest increase in subsidy payments to ITC's
- Proposed state budget currently includes increase in One Net per building amount from $1,800 to $2,500 per building

Vote for approval of Financials

STUDENT/EMIS

Student

- Scheduling
- ParentAccess Mobile App
- Graduation Tracking/Graduation Plans
- Frontline - Multi Factored Authentication

EMIS

- EMIS CrossCheck
- Secure Data Center
- Exiting Student Follow-Up Collection - New FY23
- Data Collector - OH|ID
  - Coming this summer
  - Privs added to OEDS by the district OEDS administrator.
    - OEDS roles of Superintendent, Treasurer and EMIS Coordinator will have access by default

NETWORK SERVICES - UPDATE

DUO – Multi-Factor authentication
- Phase 1 – Remote access VPN
- Phase 2 – Redesign
- Phase 3 – Student information & SSO
  - SAML auth
  - Consistent experience
  - Rollout date

Insurance requirements
- MDR (Managed Detection & Response)
- Vulnerability scanning / Penetration Testing
- Premiums may go up 5x for non-compliance

SOC Services (Security Operations Center)
- Additional Security resources
- MDR
- Cost savings
- 24x7 coverage
- Increased visibility
- Improved risk management
- Readiness for potential E-Rate changes
- Improved reputation

VULNERABILITY SCANNING FOR YOUR DISTRICT

YOU CAN'T FIX WHAT YOU DON'T KNOW ABOUT.

The most insidious threats to our network are the ones we don't even know are there.

How do we find out what we don't know?

- Scanning for know weaknesses / vulnerabilities
- Scanning for compliance with security benchmarks

How do we scan for these things?

SCANNING WITH NESSUS

Direct Results of Our Scans:

- 96% reduction in critical vulns.

- 89% reduction in high vulns.

- 50% reduction in medium vulns.

- 60% reduction in low vulns.

- Decommissioned/replaced obsolete/vulnerable hardware

- Altered procedures to be more secure

  *stats from our network core

ACCESS CAN HELP!

- We're offering to scan your networks regularly. (Of course, it's free! We paid so you don't have to.)
- Put in a Help Desk ticket to get started.
- There are many ways to scan and we're happy to talk to your tech folks about it.
- ACCESS has other tools to help benchmark and harden your systems.
- The more districts that participate in this process the more secure our network becomes for all of us.

REALITIES OF VULNERABILITY SCANNING

- It's not magic. Finding them is easy. Fixing them takes time, effort, and $$.

- The results shown earlier are about 2.5 months of work.

- ACCESS can't fix these for you, but we likely have tools/methods to help.

- There's no finish line. It is an ongoing process. New vulnerabilities are found every day.

- It's better to know and be able to act than to be blind-sided.

- *Clarification: the network vulnerability policy adopted in December does not apply to vulnerabilities found in these internal scans! Those time limits apply to systems exposed to the Internet.*

ACCESS PASSWORD SELF SERVICE

THE MANAGE ENGINE SELF SERVICE PORTAL IS A WEB-BASED APPLICATION THAT ALLOWS END-USERS TO CHANGE OR RESET THEIR PASSWORD WITHOUT HAVING TO CONTACT THEIR IT HELP DESK.

THIS HELPS TO GET HELP TO YOUR STAFF FASTER WITH LESS DOWNTIME AND ALLOW YOUR IT TEAMS TO FOCUS ON CRITICAL ISSUES INSTEAD OF ROUTINE REQUESTS.

Password SelfService URL:

https://selfservice.access-k12.org/authorization.do

INSIDE THE APPLICATION

Please enroll for the forced verification methods enabled for your account.

? **Security Questions**

Question : -- Please Select a Question -- ⌄

Answer   Confirm Answer

Question : -- Please Select a Question -- ⌄

Answer   Confirm Answer

☑ Hide Answer(s)

- The minimum length of the answer(s) should be 3 characters and maximum allowed is 255 characters

Step 1 of 1   **Next**

Question :   -- Please Select a Question --   ⌄

What was the first company that you worked for?

Where did you meet your partner?

What is your favorite food?

What is your oldest sibling's middle name?

What was your first car?

Question :

What is the middle name of your oldest child?

✓ Hide Ans

MFA Enrollment

Enrolled Verification Methods

You'll be asked to verify your identity using any of the methods listed below. **Learn more**

⚙ Manage

Security Questions & Answer

View my security questions ✏

Today 07:57 AM

MFA Recovery

You can use backup verification codes if you are unable to prove your identity.

Generate One-Time Use Backup Verification Codes

Set Up Backup Verification Methods

These methods will help you prove your identity in case you face issues with other verification methods.

Google Authenticator

You can use the code generated by the Google Authenticator app to prove your identity during SelfService and Logon actions.

Set up

Microsoft Authenticator

You can use the code generated by the Microsoft Authenticator app to prove your identity during SelfService and Logon actions.

Set up

Duo Security

Prove your identity using the authentication method setup by your admin in Duo Security during SelfService and Logon actions.

Change Password ⑦

* Old Password	[_____] [•••]
* New Password	[_____] [•••]
* Confirm New Password	[_____] [•••]

— Minimum length should be at least 8

— You can ignore complexity rules if password length is at least 20

— Must contain at least 1 upper case character(s)

— Must contain at least 1 lower case character(s)

— Number of numerals to include 1

— Must not contain any character more than 3 times consecutively

— Must not have 5 consecutive character(s) from username

— Must not contain 5 consecutive character(s) from your old password

— Must not contain restricted patterns List

— Maximum length should not exceed 30

[Change Password] [Cancel]

✔ Minimum length should be at least 8

— You can ignore complexity rules if password length is at least 20

✔ Must contain at least 1 upper case character(s)

✔ Must contain at least 1 lower case character(s)

✔ Number of numerals to include 1

✔ Must not contain any character more than 3 times consecutively

✔ Must not have 5 consecutive character(s) from username

✔ Must not contain 5 consecutive character(s) from your old password

✔ Must not contain restricted patterns List

✔ Maximum length should not exceed 30

Change Password   Cancel

Change Password ⑦

The entered password is considered unsafe according to the Have I Been Pwned service. ✕

* Old Password •••••••••

* New Password

* Confirm New Password

— Minimum length should be at least 8

— You can ignore complexity rules if password length is at least 20

— Must contain at least 1 upper case character(s)

— Must contain at least 1 lower case character(s)

— Number of numerals to include 1

— Must not contain any character more than 3 times consecutively

— Must not have 5 consecutive character(s) from username

— Must not contain 5 consecutive character(s) from your old password

— Must not contain restricted patterns List

— Maximum length should not exceed 30

Change Password   Cancel

Generated Backup Verification Codes ✕

Backup Verification Codes help prove your identity if you lose access to your registered MFA device or are unable to prove your identity via the enrolled MFA methods. Once you create a new set of 5 backup codes, the old ones become inactive.

Backup Verification Codes

1. **7d0u 76xs 3313**

2. **8u9l v080 papo**

3. **k5li qrj2 jk36**

4. **2qzv j071 bepn**

5. **msc0 1rq1 xpwh**

Generated Time: Thursday, April 13, 2023 08:40 AM

⬇ Save as text   ✉ Send Email   🖶 Print

Generate New Codes   Close

Prove your identity using the authentication method setup by your admin in Duo Security during SelfService and Logon actions.

Set Up Backup Verification Methods

These methods will help you prove your identity in case you face issues with other verification methods.

Google Authenticator

You can use the code generated by the Google Authenticator app to prove your identity during SelfService and Logon actions.

Set up

Duo Security

Prove your identity using the authentication method setup by your admin in Duo Security during SelfService and Logon actions.

Set up

Yubikey Authenticator

You can use the code generated by the Yubikey device to prove your identity during SelfService and Logon actions.

Set up

Google Authenticator

                                 ✕

1. Install Google Authenticator.

2. Open the app, and tap + to add an account.

3. Using the app, scan the QR code image given below.

[QR code image]

Can't scan the QR code?

4. Enter the code generated by your authenticator app   [ ]

Verify Code

Enrolled Verification Methods

You'll be asked to verify your identity using any of the methods listed below. **Learn more**

⚙ Manage

❓ **Security Questions & Answer**

View my security questions ✏

Yesterday 11:13 AM

This method can be used to prove your identity during Login.

✉ **Email Verification**

mpalmer@access-k12.org   Verified

N/A

Add Email

🔐 **Microsoft Authenticator**

You can use the code generated by the Microsoft Authenticator app to prove your identity. ✏

Friday, March 10, 2023 02:18 PM

MFA Recovery

You can use backup verification codes if you are unable to prove your identity.

Generate One-Time Use Backup Verification Codes

Set Up Backup Verification Methods

These methods will help you prove your identity in case you face issues with other verification methods.

Google Authenticator

35

Enrolled Verification Methods

You'll be asked to verify your identity using any of the methods listed below. **Learn more**

✿ Manage

Security Questions & Answer

View my security questions ✎

Yesterday 11:13 AM

Email Verification

mpalmer@access-k12.org   Verified

N/A

Add Email

Microsoft Authenticator

You can use the code generated by the Microsoft Authenticator app to prove your identity. ✎

Friday, March 10, 2023 02:18 PM

Yubikey Authenticator

You can use the code generated by the Yubikey device to prove your identity. ✎

Today 08:44 AM

Select one of the option below to prove your identity

This process helps us verify that it is indeed you who is requesting access

⦿ Security Questions

◯ Duo Security

Type the characters you see in the picture below.

934635

Letters are not case-sensitive   ↻ | ◄»)

Select one of the option below to prove your identity

This process helps us verify that it is indeed you who is requesting access

⦿ Security Questions

◯ Duo Security

Type the characters you see in the picture below.

934635

| 934635 | ↻ \| ◁» |

Please answer the following question(s) to reset your password

Question: What is your maternal grandfather's first name?

Answer

Type the characters you see in the picture below.

753595

Letters are not case-sensitive

Having trouble? Use backup code. ⑦

MFA Recovery via Backup Code

Backup Verification Codes help prove your identity if you lose access to your MFA device or are unable to use your enrolled MFA methods.

Enter one of your backup codes

Type the characters you see in the picture below.

754688

Letters are not case-sensitive

Reset Password

*New Password   [   ]

*Confirm New Password   [   ]

— Minimum length should be at least 8

— You can ignore complexity rules if password length is at least 20

— Must contain at least 1 upper case character(s)

— Must contain at least 1 lower case character(s)

— Number of numerals to include 1

— Must not contain any character more than 3 times consecutively

— Must not have 5 consecutive character(s) from username

— Must not contain restricted patterns List

— Maximum length should not exceed 30

Type the characters you see in the picture below.

889659

[Letters are not case-sensitive   ↻ | ◁)]

Password reset successful for the following account(s)

- joe.ott - ACCESS

Back to home

MEMBERSHIP CAUCUS – BOARD MEMBERS

- Expired Terms for the following current members

  - Pete Pirone (2021-2023) – Mahoning County Superintendent
  - Eric Lowe (2021-2023) – Columbiana County Superintendent
  - Dawn Welsch (2021-2023) – Mahoning County Treasurer

ACCESS Council

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

http://www.access-k12.org