



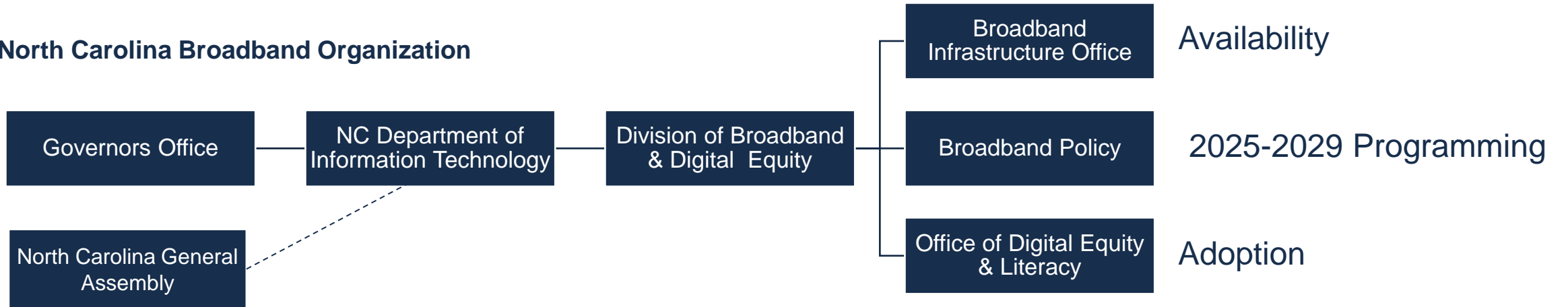
Broadband and Digital Equity Update

NCDIT Division of Broadband and Digital Equity
Presentation for Durham County
September 4 2024



NCDIT | Division of Broadband & Digital Equity

North Carolina Broadband Organization

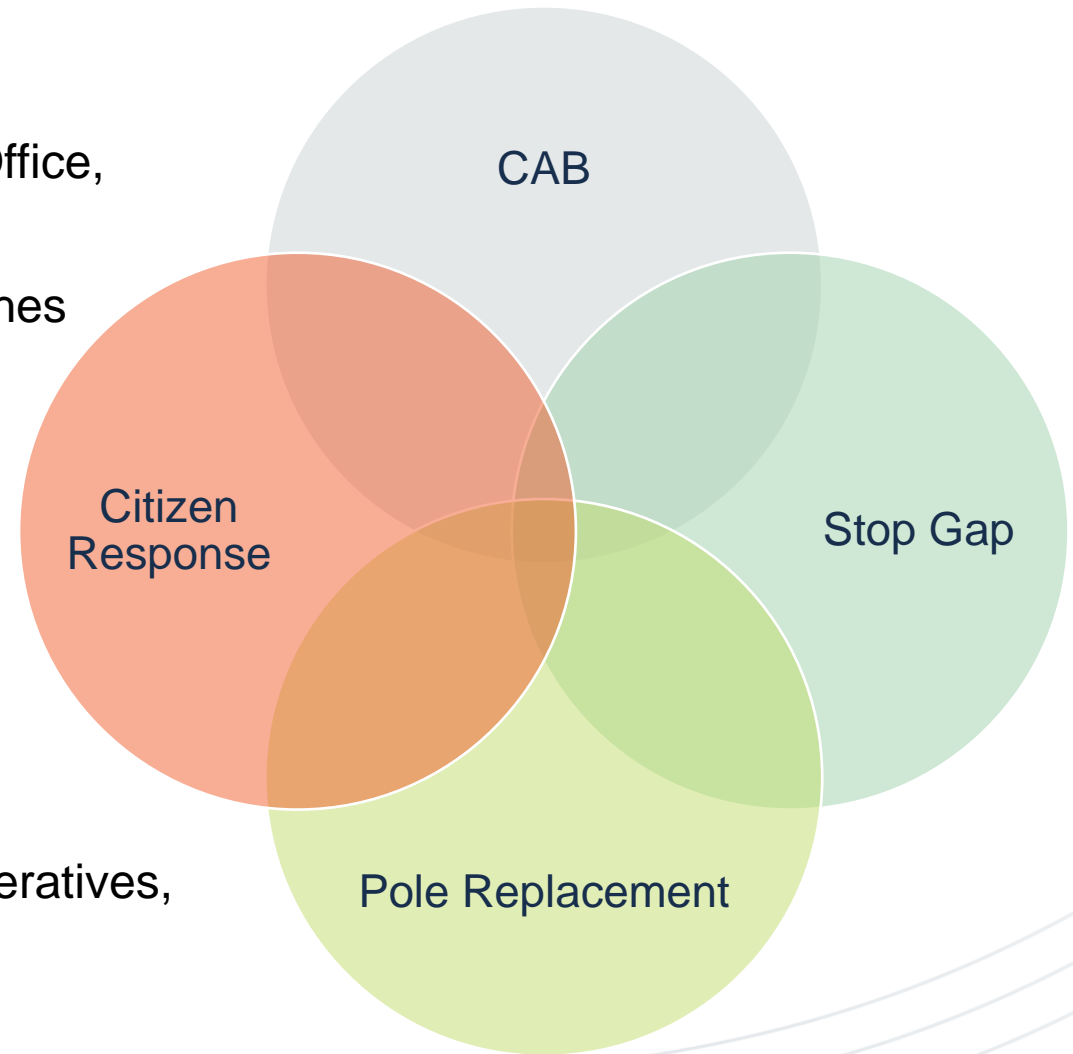


North Carolina BIO Funding History



BIO – Technology & Infrastructure Team

- Our team developed and initialized of the CAB and Pole Replacement programs in the North Carolina Broadband Office, and are developing the Stop Gap program
- We provide support to the Legislative and Executive branches in responding to citizen and other inquiries
- We actively promote the work of the Broadband Infrastructure Office and Office of Literacy & Digital Equity teams
- Our team represents a resource in North Carolina with a singular focus on direct engagement with, and support of, all 100 counties.
- We constantly interact with Councils of Government, Cooperatives, Service Providers, Manufacturers and Community Groups



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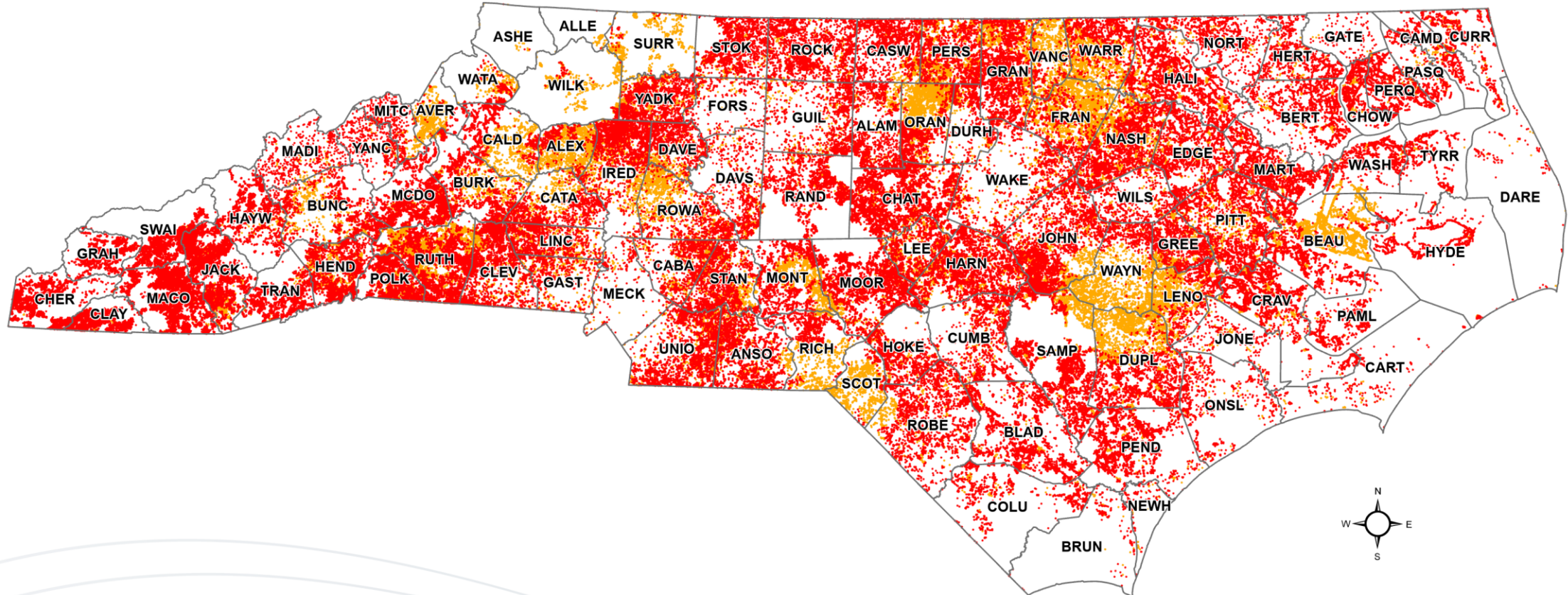
Our responsibility is to serve the citizens of Durham County and of North Carolina. Period.



NC Broadband Profile

Evolving identification of Unserved Locations

New FCC Broadband Data Collection Serviceable Location Fabric – June 2023



- Unserved Broadband Serviceable Locations (Less Than 25mb/s Download and 3mb/s Upload)
 - 283,420 Locations
- Underserved Broadband Serviceable Locations (Less Than 100mb/s Download and 20mb/s Upload)
 - 138,903 Locations



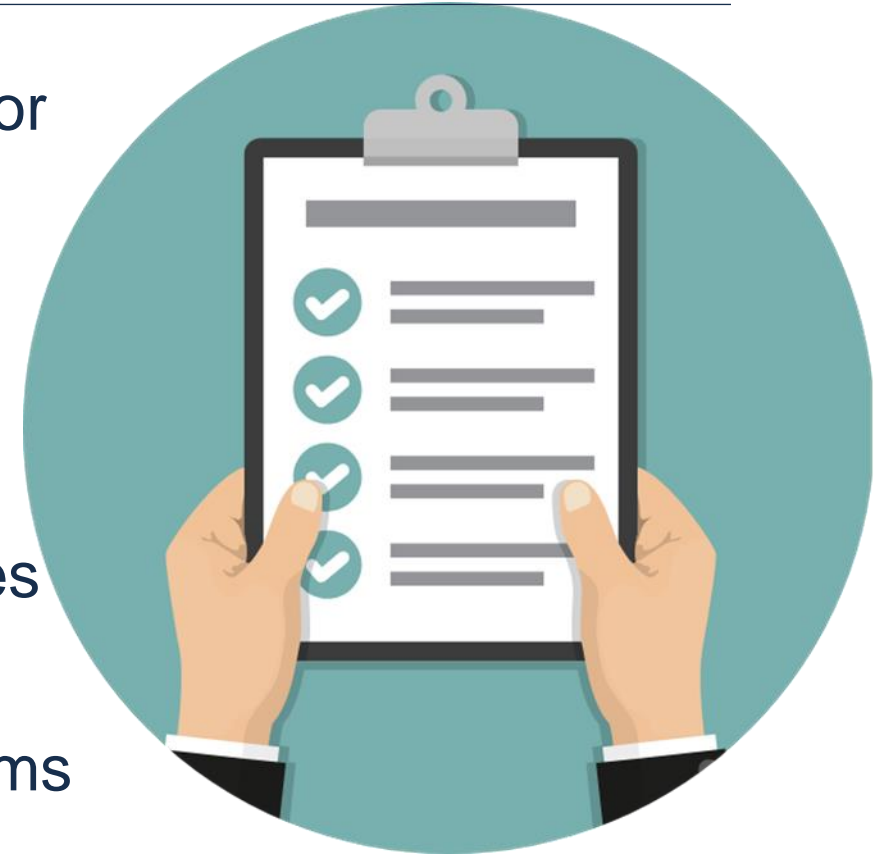
Broadband and Digital Equity Funding

American Rescue Plan Act (ARPA)	Infrastructure	\$941M	GOAL: Ensure availability of internet service at speeds of at least 100/20 Mbps for more than 98% of North Carolina households
			GREAT Grant (\$350M) – Awarded more than \$342 million
			Completing Access to Broadband (\$400M) – Awarded more than \$122 million
			Stop-Gap Solutions (\$90M)
			Broadband Pole Replacement (\$100M) – Launched Feb. 7
	Broadband Mapping (\$1M)		
	Awareness and Digital Literacy	\$50M	<ul style="list-style-type: none"> • Increase enrollment in the Affordable Connectivity Program • Increase access to devices for households • Increase access to high quality digital literacy and skills training • Build local digital equity capacity • Awarded nearly \$14 million; Awarding \$30 million more this month
Bipartisan Infrastructure Law	Broadband Equity, Access, and Deployment (BEAD)	\$1.53B	<ul style="list-style-type: none"> • Infrastructure for homes and businesses • Upgrades to infrastructure for community anchor institutions • Mapping and data collection • Internet and Wi-Fi infrastructure for multi-family residential buildings • High-speed internet adoption, including affordable internet capable devices and sign-up assistance • Training and workforce development • Digital equity programs

Significant County Participation

- 48 counties have participated in the GREAT grant or have funded previously unfunded GREAT grant projects via CAB > GREAT.
- 31 counties are participating in both GREAT Grant and CAB projects (Scopes of Work).
- 5 counties are participating in CAB projects (Scopes of Work) only.
- 16 counties have not participated in NCDIT programs

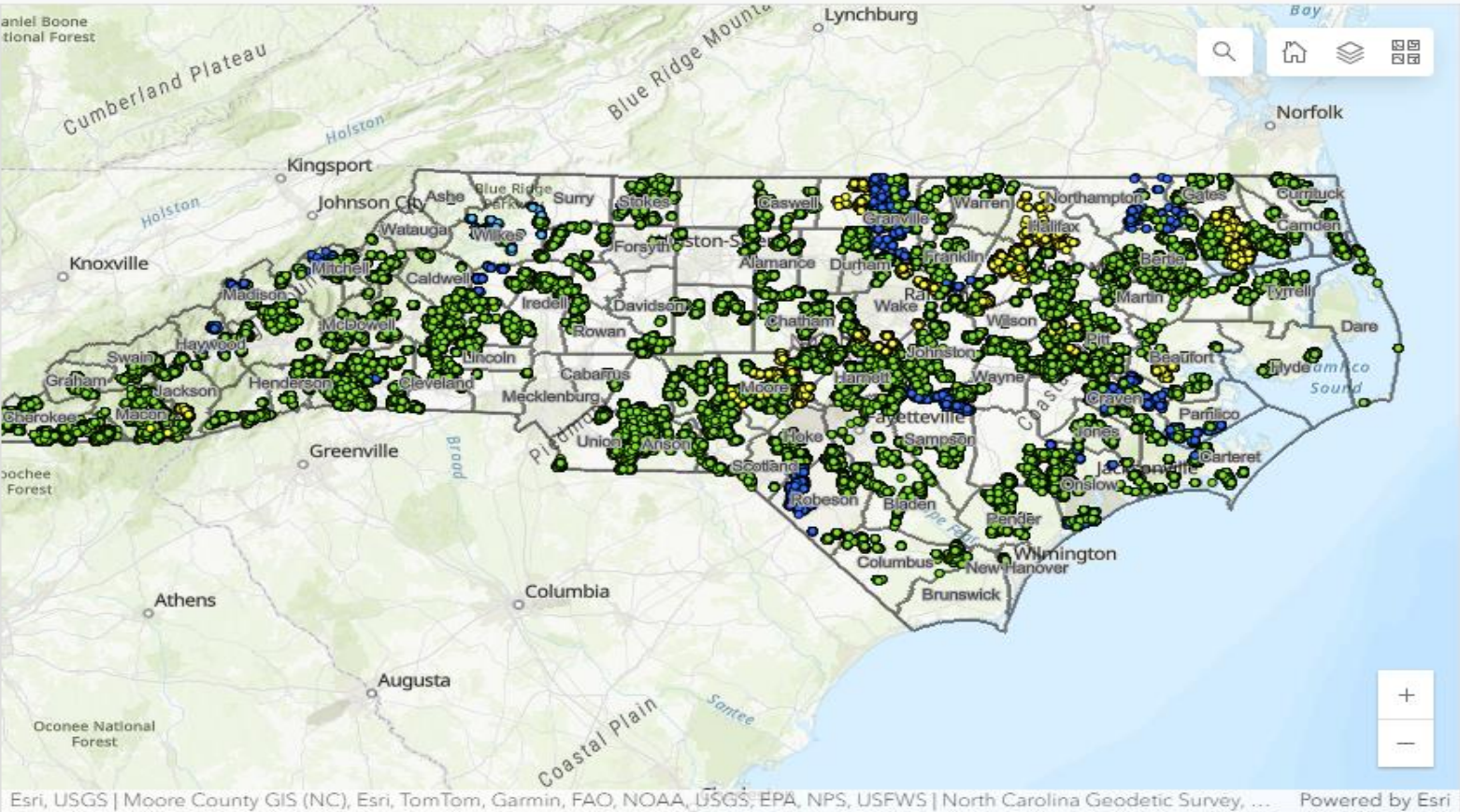
Several of these counties have either conducted a local project, have a significant federal award, or are served by telephone cooperatives with constantly expanding connectivity



NC GREAT Grant Profile

NC Broadband Grant Addresses

- GREAT - Contracted Project
- GREAT - Contingent Project
- CAB - Contingent Project
- CAB - Contracted



Avg Cost Per Location
\$4.9k

Total Project Cost
\$573M

Total Grant Amount
\$372.9M

Total Match Amount
\$200.1M

Total Awarded Locations
150,325

Households Served
145,708

Businesses Served
4,617



ARPA-Funded Programs Dashboards

NCDIT: Broadband & Digital Equity Grant Tracker *(Updated as of 7/19/2024)*

County	Program	Awardee	Project Status	
Durham	All	All	All	Clear All Filters

Total Funds (Statewide)
\$400M

Program Scope:

County
Multi-county

Funds Awarded
\$7M

Grants Awarded
4

Households Served
1,689

Businesses Served
84

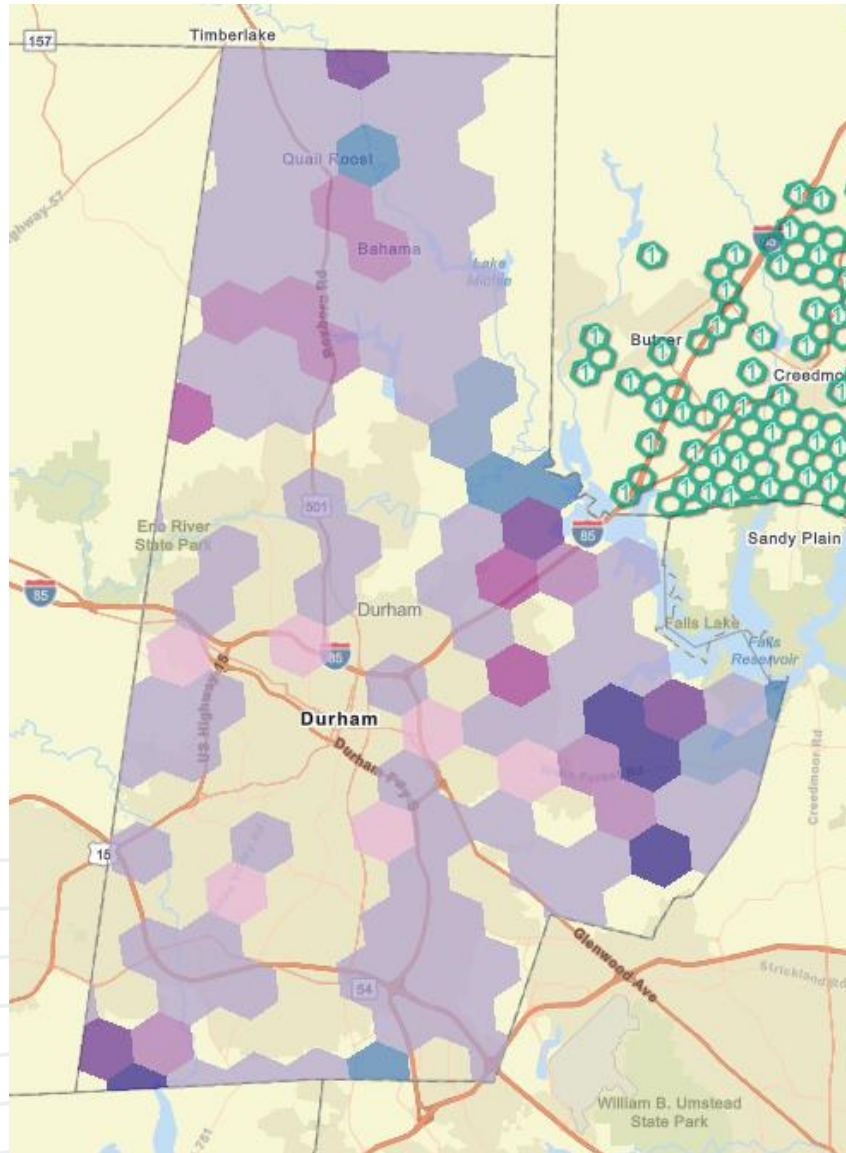
Grant Award Details by County

Single awards for multiple counties will show the full multi-county award amount in each county.

Individual Grant Award Details by County

County	Program Scope	Program	Grant Program	Awardee	Grant Amount	Match Amount	Project Status	Construction Deadline
Chatham, Moore, Durham, Johnston, Lee, Wake, Orange	Multi-county	Digital Equity	Digital Champions Program	Central Pines Regional Council	\$800,000			
Durham, Orange	Multi-county	Digital Equity	Digital Champions Program	Durham Technical Community College	\$400,000			
Durham	County	GREAT		Frontier	\$2,652,983	\$468,173	Contracted	4/10/2025
Durham	County	GREAT		Lumos	\$2,980,918	\$526,044	Design Phase	1/12/2026

Current BSL Map – Durham County

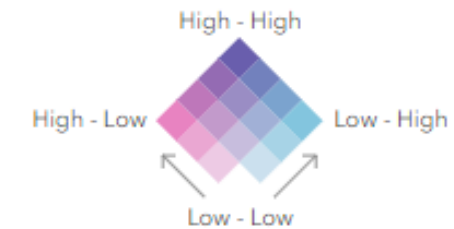


NC Broadband Eligible Locations - Aggregated

NC FCC Broadband Data Collection Aggregated Level 7

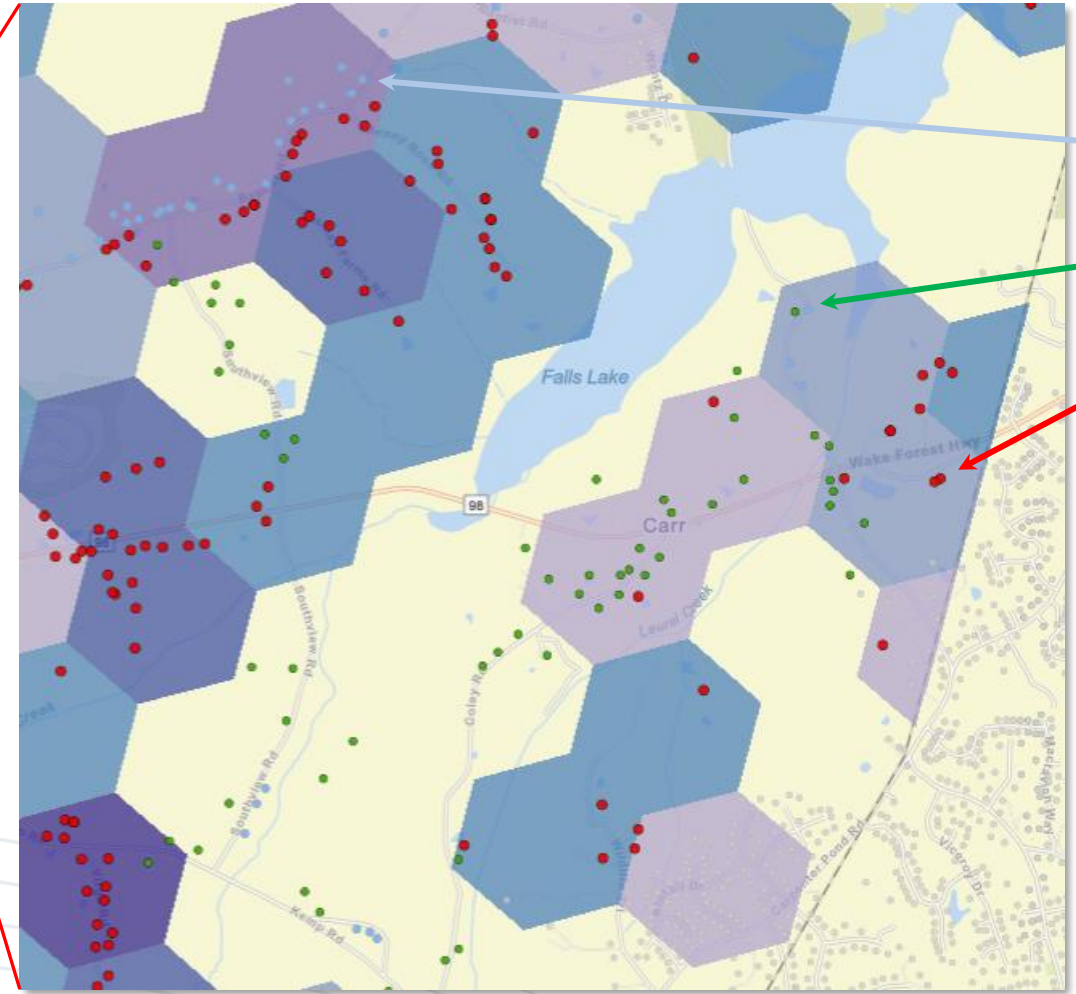
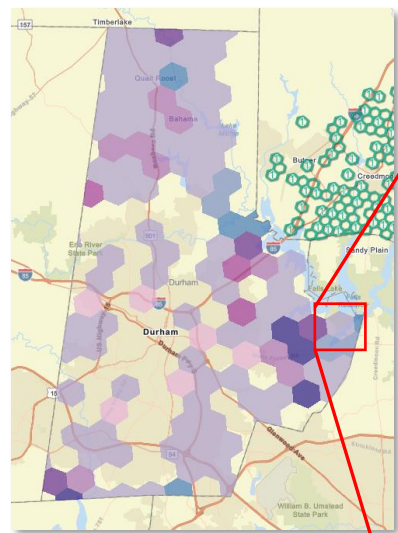
Relationship

- ↖ Count of CAB Eligible Locations
- ↗ Percent Eligible Out of All Locations in Area



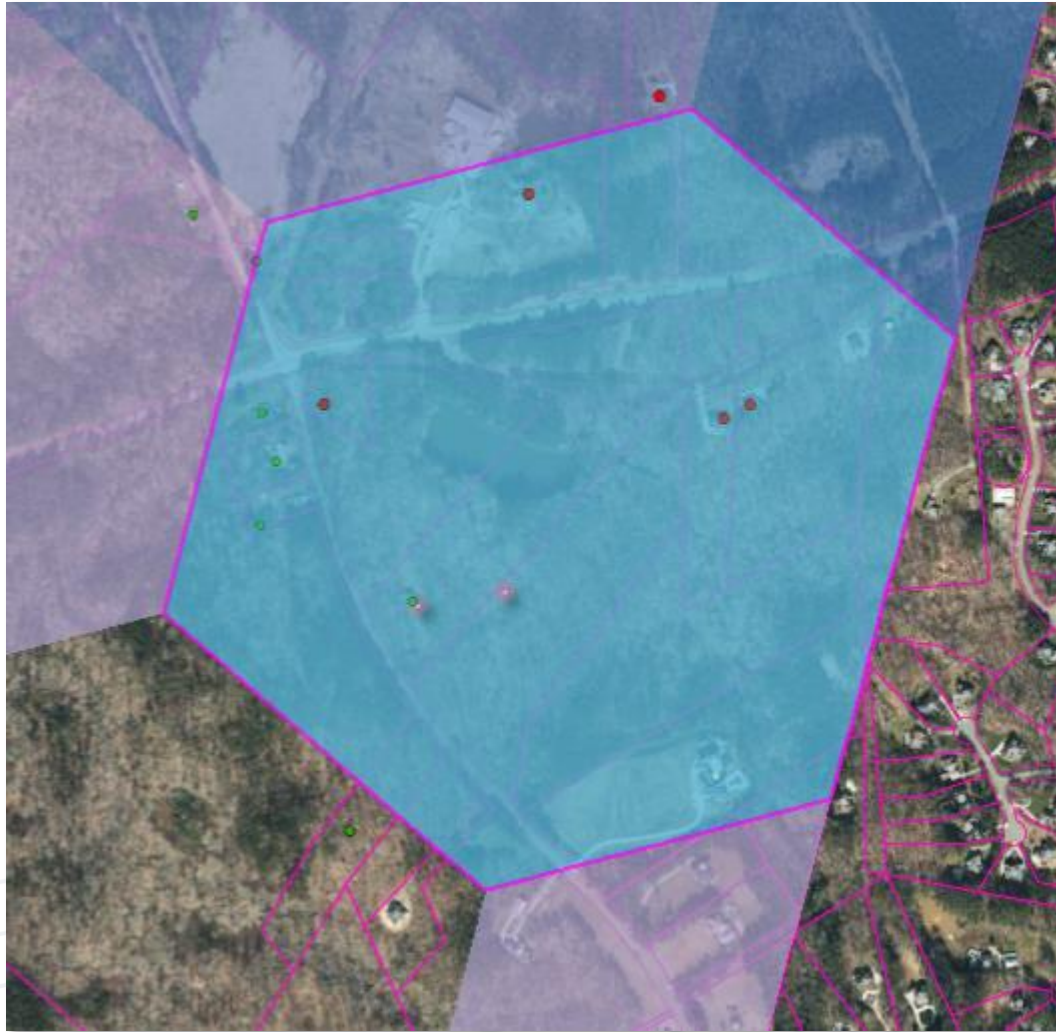
Current – 706 Eligible Locations

CAB Planning Tool - Detail



- Federally funded location
- State GREAT funded location
- Unserved – eligible for funding

CAB Planning Tool - Detail



882a896157ffff - DURHAM

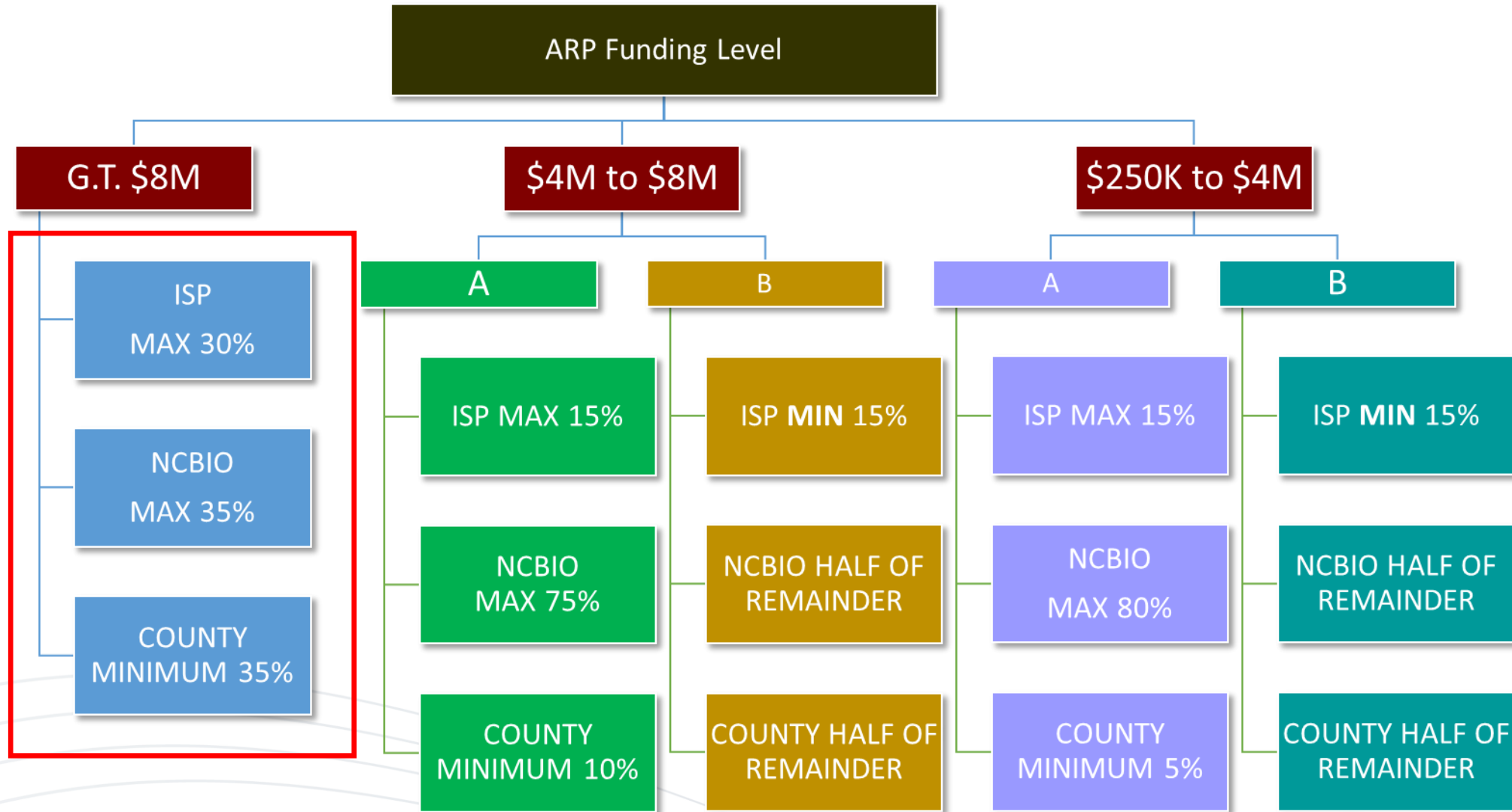
Zoom to Pan

4 Eligible Locations

36.36% Eligible

Total Broadband Serviceable Locations	11
Eligible Locations Total	4
Percent Eligible	36.36
Eligible Locations - All Unserved	4
Eligible Locations - Unserved - No Service Only	0
Eligible Locations - All Underserved	0
County	DURHAM
FCC_Version	4
Date_Aggregated	8/19/2024
hex_id	882a896157ffff
Funded Locations	5
Unserved Locations (Less Than 25/3)	9
Percent Unserved	81.82
Underserved Locations (Less Than 100/20)	0
Percent Underserved	0.00
Unserved Locations - No Service Only	2
Percent Unserved - No Service Only	18.18
Locations with Fiber	0

CAB Financial Components | Current Summary





Completing Access to Broadband (CAB) Process

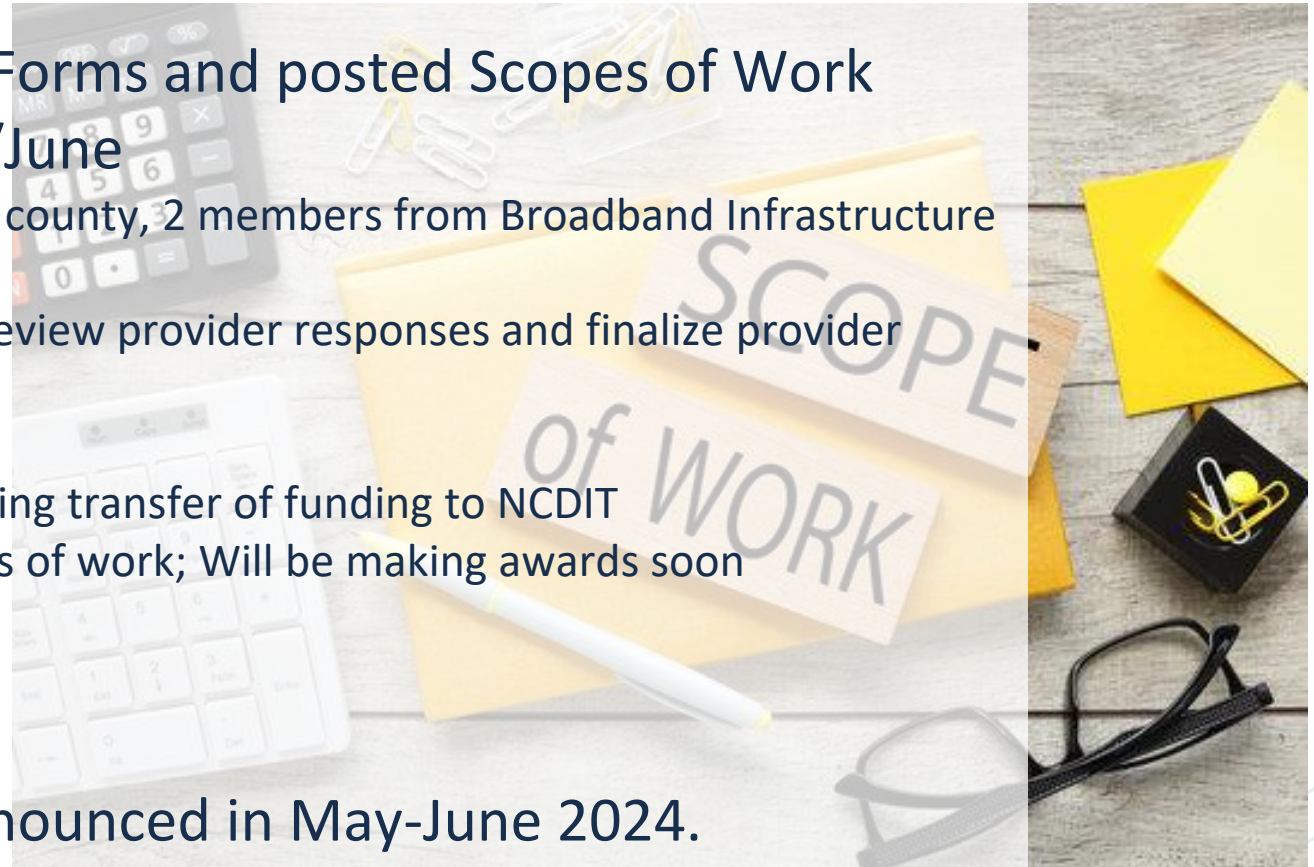
\$400M to make sure all North Carolinians can access reliable high-speed internet. The CAB program is a NCDIT procurement program – not a grant program – designed to ensure significant engagement by all participating counties.

- **2023: Broadband Expansion and Access RFP**
 - Prequalified 41 broadband providers for CAB, Stop-Gap Solutions and Broadband Pole Replacement programs under a Statewide Convenience Contract
 - Vendors listed at ncbroadband.gov/funding-programs/cab-program
- **Participating counties submit County Commitment Form with “up to” amount of matching funds**
 - Meeting between County/NCDIT on Scope of Work parameters
 - Counties may also submit priority areas
 - Evaluation criteria outlined in the Scope of Work
 - County Match Calculator Tool helps estimate cost sharing: ncbroadband.gov/CAB
- Finalized Scopes of Work posted on **Active CAB Proposals** page
 - View all at ncbroadband.gov/active-cab-proposals
- Final CAB Eligible Locations published in **CAB Planning Tool**
 - Priority areas reflected in same map: nconemap.gov/pages/broadband

CAB 1.0 Results

35 Counties Participated in the CAB program in fiscal year 2023-24

- All submitted County Commitment Forms and posted Scopes of Work
- Evaluation Work conducted in May/June
 - Evaluation Teams – up to 2 members from county, 2 members from Broadband Infrastructure Office
 - Meet three times to go over the process, review provider responses and finalize provider selections
 - Completed Awards as of June 30
 - Then subsequent MOU with county regarding transfer of funding to NCDIT
 - Have already received responses for scopes of work; Will be making awards soon
- Variables:
 - Number of responses per county
 - Project size and match requirements
- Total of \$179MM in CAB awards announced in May-June 2024.





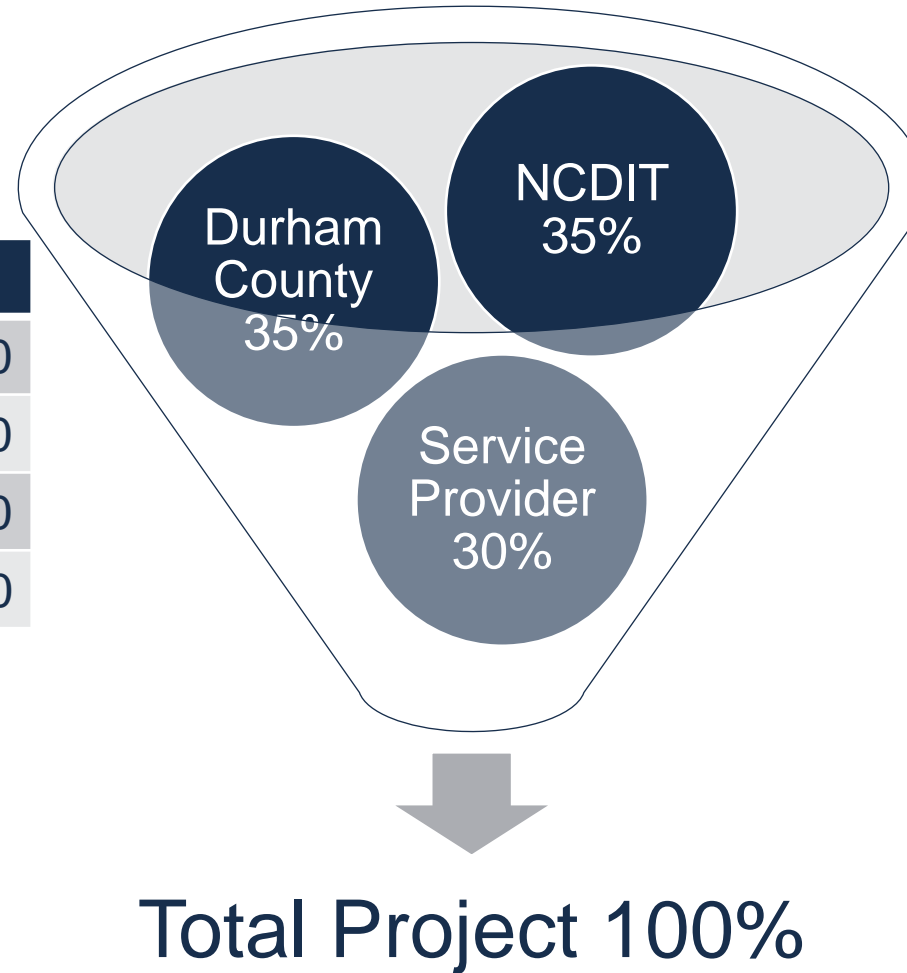
CAB 2.0 Opportunity for Durham County

- Most counties in the G.T. \$8M ARPA tier have had no remaining budget dollars for broadband (either ARPA or local funds).
- Division petitioned the GA for relief from county match requirements – tabled until November 2024.
- Internal decision to utilize funds from the Stop Gap program to fund the CAB County Match requirement!
- While counties can contribute additional funds, there is NO requirement for additional county investment.

CAB 2.0 Opportunity for Durham County

Funding Source	Amount
County Match (From NCDIT SG)	\$500,000
CAB Funding from NCDIT	\$500,000
Provider Funding (est.)	\$421,000
Maximum Project ¹	\$1,421,000

1. Maximum project assuming no additional county funding. Proposed projects may not be "maximized."



CAB 2.0 Next Steps

- Complete the two forms contained at the back of the Guidance/NOFO document.
- Submit them to cabprogram@nc.gov (cc to Jeffrey.brooks@nc.gov).
- Prepare for a confirmation call with NCBIO to review SOW.
- Participate in the proposal review process!

CAB Program: County Evaluation Team Members Form (Optional)

Through submission of this Evaluation Team Members Form, _____ County requests to have the following individuals represent them in evaluation of the scope of work responses for the Completing Access to Broadband (CAB) program. (Counties may elect not to participate in the evaluation process and let NCDIT keep them informed regarding received and selected project(s).)

Evaluation Team Member 1

Name: _____
 Title: _____
 Phone: _____
 Email: _____

Evaluation Team Member 2

Name: _____
 Title: _____
 Phone: _____
 Email: _____

Evaluation Team Members Form Completed by:

Signature, Authorized Representative _____
 Name _____
 Title _____
 Email Address _____
 Phone Number _____

This form should be completed and submitted to CABProgram@nc.gov by Sep. 9, 2015.

Stop-Gap Solutions Program

**STOP-GAP SOLUTIONS: COUNTY MATCH FOR CAB PROJECTS
COUNTY PARTICIPATION FORM**

Through submission of this form, _____ County requests funding under the Stop-Gap Solutions program from the N.C. Department of Information Technology to assist in meeting the county match requirement for participation in the Completing Access to Broadband (CAB) program.

The county understands that:

- Funding amounts for the county match for CAB program projects will be made based on overall demand for funding as well as using the prioritization criteria outlined in the Stop-Gap Solutions Program Guidance;
- NCDIT will review this County Participation Form and determine an "up to" amount for the county match, which will determine the project size for the CAB program scope of work; and
- The specific county match amount will be finalized once the scope of work responses are received and the project(s) selected.

(Optional)
 In addition to funding from NCDIT through the Stop-Gap Solutions program, the county intends to contribute up to \$ _____ for the issuance of a CAB scope of work soliciting eligible broadband providers to build broadband infrastructure within the county. The county will use the funding source indicated below for this purpose (indicate one or multiple sources of funds below):

_____ American Rescue Plan Act Funds
 _____ Nonrestricted General Funds

Signature, Authorized Representative _____
 Name _____
 Title _____
 Email Address _____
 Phone Number _____

This form should be completed and submitted to CABProgram@nc.gov by Sept. 9, 2015.

Stop-Gap Solutions Program

15 of 16

Digital Champion Grant Program

- Program will create partnerships with organizations statewide to implement digital equity solutions that positively impact target populations identified in the Digital Equity Act
- Received **323 applications** from community service, nonprofit, higher education and regional organizations requesting more than \$150 million in funding; Will be awarding \$30 million soon
- Applications proposed digital equity projects from eligible entities to serve all 100 counties; many counties had project proposals from multiple applicants
 - 31 higher education organizations
 - 29 K-12 organizations
 - 14 libraries
 - 24 local governments
 - 120 nonprofits
 - 12 regional entities



Broadband Equity, Access, & Deployment (BEAD) Funding

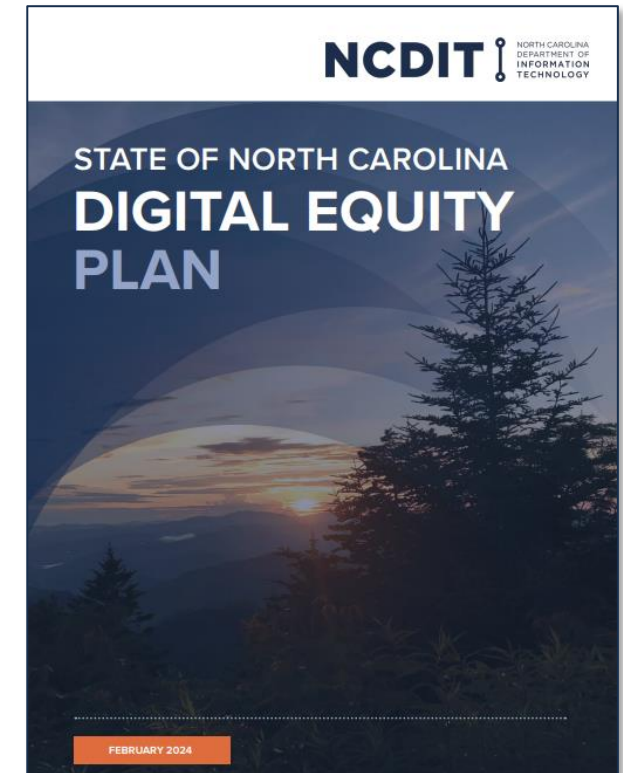
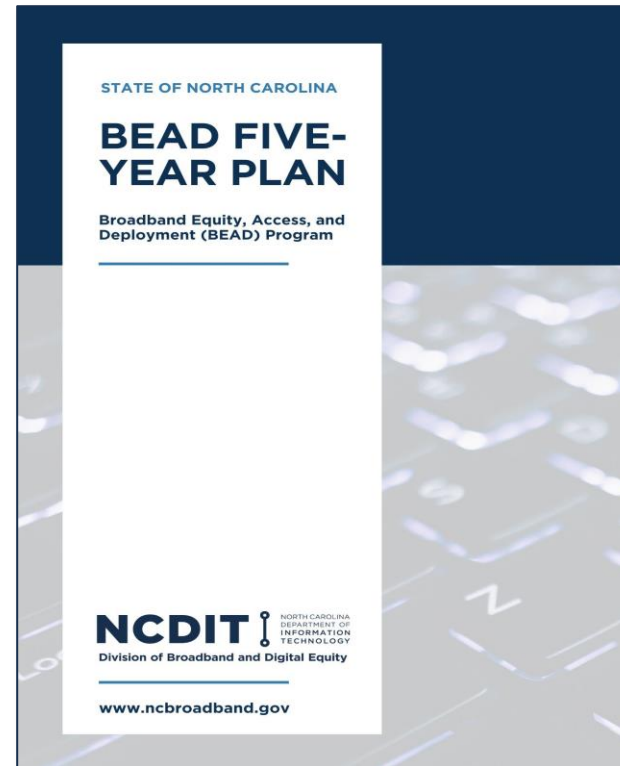
\$1.5 billion through the Bipartisan Infrastructure Law to make sure all North Carolinians can access reliable high-speed internet

Eligible uses of funding include:

- Infrastructure for homes and businesses
- Upgrades to infrastructure for community anchor institutions
- Mapping and data collection
- Internet and Wi-Fi infrastructure for multi-family residential buildings
- Broadband adoption, including affordable internet capable devices and sign-up assistance
- Training and workforce development
- Digital equity programs

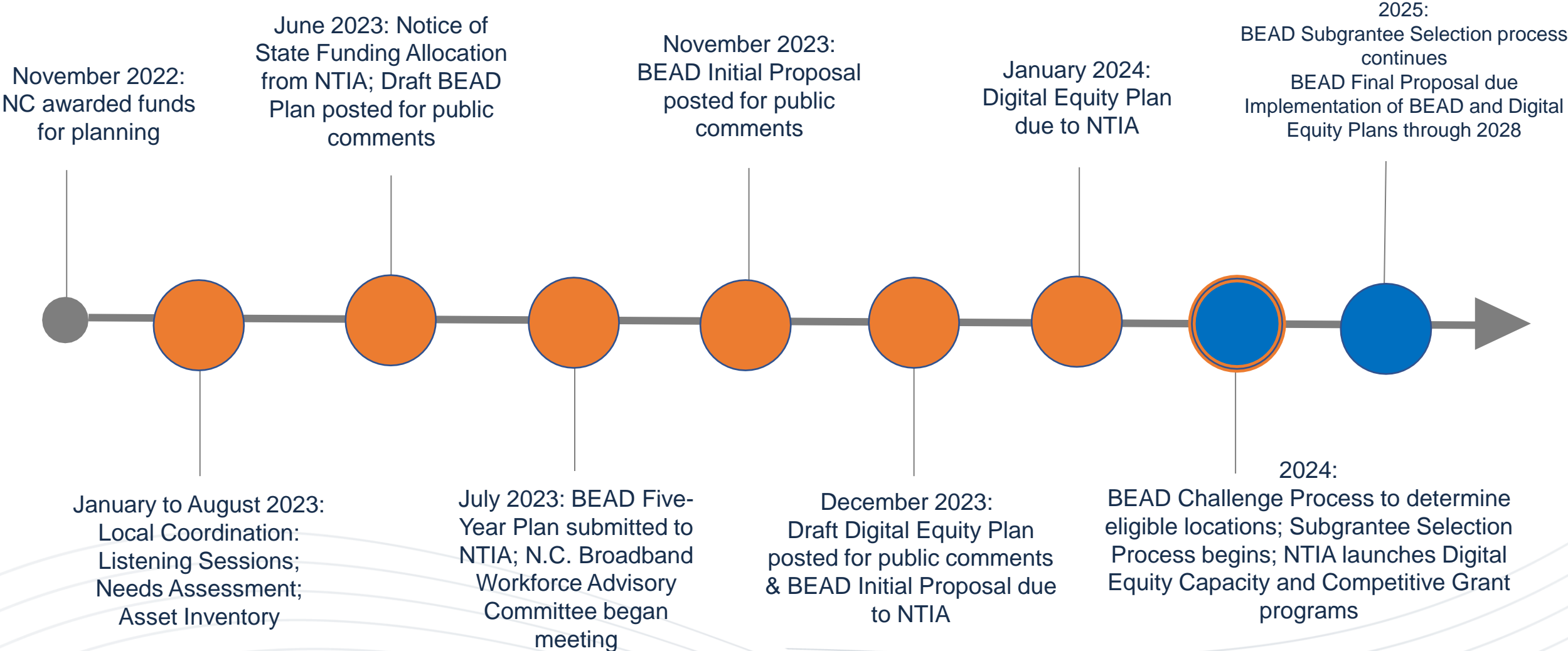
BEAD and Digital Equity Five-Year Plans Approved

- Refined draft plans based on public comments received (partners listed in plans), and then submitted it to NTIA for approval; Both approved by NTIA
- Plans are available at: ncbroadband.gov/BEAD and ncbroadband.gov/Digital-Equity-Plan
- BEAD Initial Proposal
 - Volume 1 (Approved)
 - Workforce Development Plan (Approved)
 - Volume 2 (In Curing)





BEAD and Digital Equity Timeline



Resources

[NC Broadband Home Page](#)

[GREAT Grant Applications by County](#)

[Take the NC Broadband Survey](#)

[NC Broadband Map Data](#)

Infrastructure & Technology **Digital Equity Contact**

Jeffrey M Brooks

Infrastructure | CAB | Last Mile

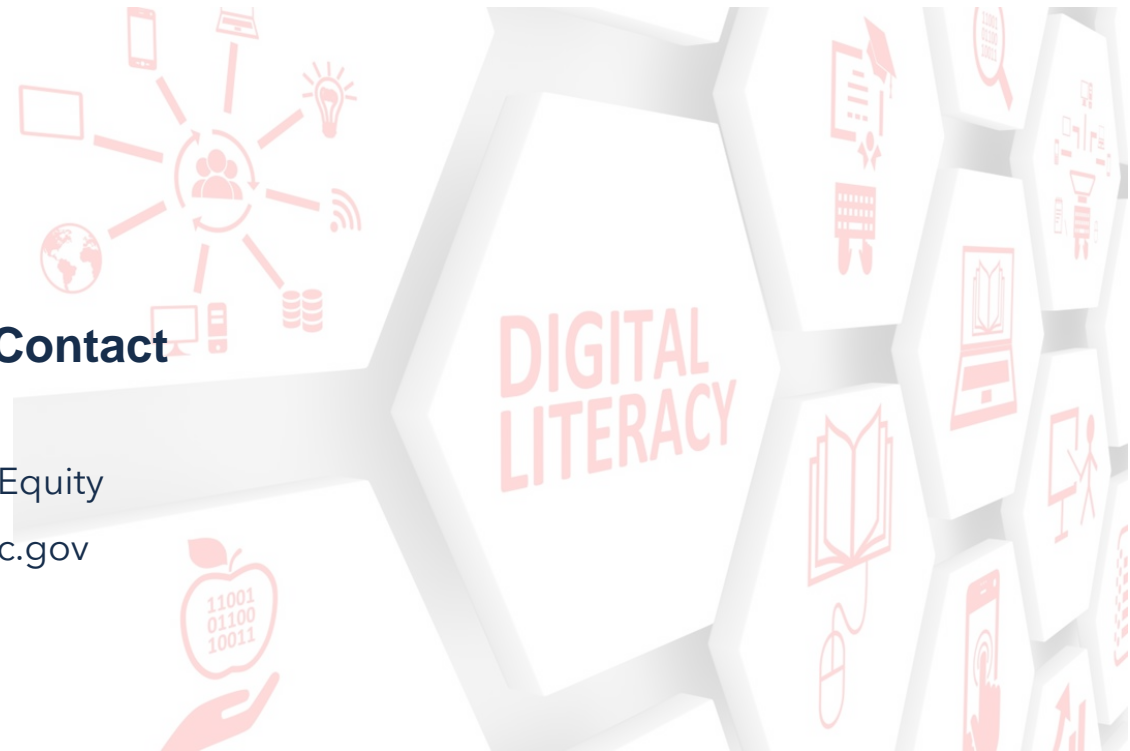
jeffrey.brooks@nc.gov

919.602.8080

Annette Taylor

Director - Digital Equity

Annette.taylor@nc.gov





Questions?