

CAB MAPPING WEBINAR FOR BROADBAND

DEC. 1, 2023

PROVIDERS

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BROADBAND DATA AND MAPPING LEAD BROADBAND INFRASTRUCTURE OFFICE

TOPICS TO COVER TODAY

- 1. CAB Program Updates
- 2. Broadband Funding Map / Protected Areas
- 3. CAB Planning Tool and CAB Eligible Locations
- 4. Protest Process for CAB
- 5. Submission of Data through AWS Folders
- 6. County Prioritization of Areas for CAB
- 7. Broadband Provider Project Areas for CAB Scopes of Work
- 8. CostQuest Licenses



CAB PROGRAM UPDATES

Prequalification of Broadband Providers

- Awards for Broadband Expansion and Access RFP
 - o Prequalified Providers eligible to participate in CAB
 - Finalizing Convenience Contract
 - NCDIT will share with counties the list of broadband providers eligible to participate
- Other providers can participate in Funded Area data and Protest process



CAB PROGRAM UPDATES

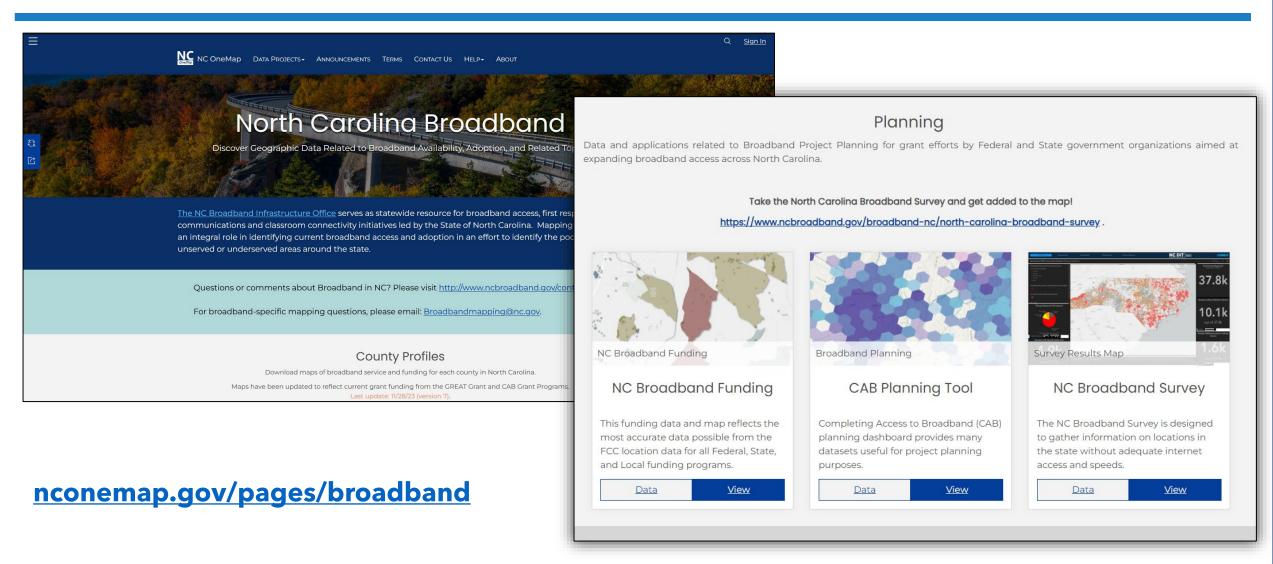
NCDIT/County Collaboration Process

Preparation for Procurement Process

- County Commitment Form with "up to" amount and source of funds
- County-Level Scope of Work and Evaluation Criteria
- Identification of Eligible Locations and Prioritization of Areas
- Selection of Evaluation Team Members

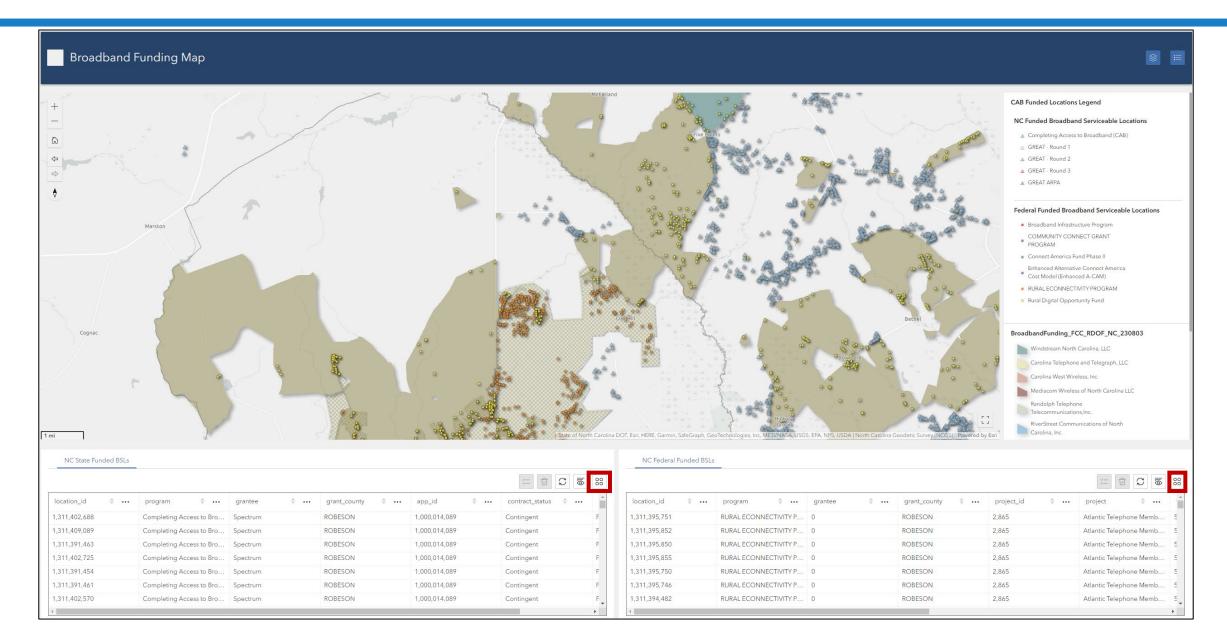


NC ONEMAP BROADBAND PAGE

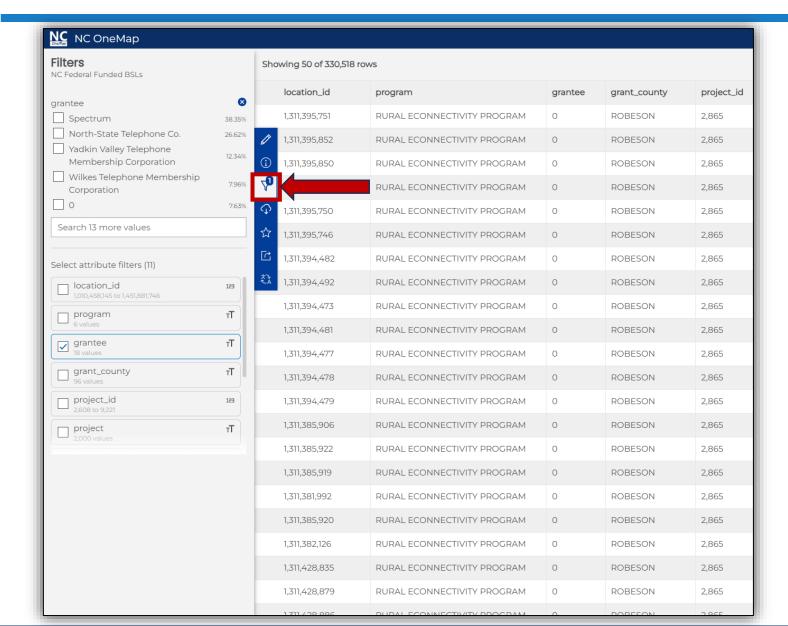




BROADBAND FUNDING MAP



BROADBAND FUNDING MAP

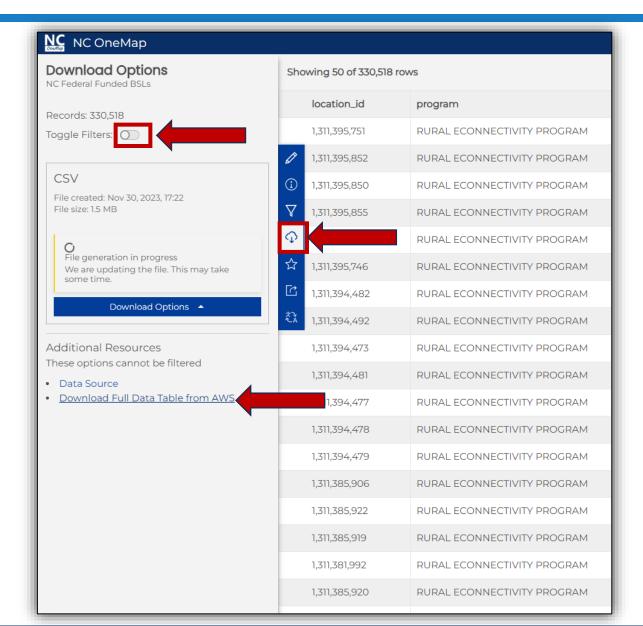


Federal or State Funded Location Download Options

- Filter by:
 - County
 - Program
 - Grantee
 - Project ID



BROADBAND FUNDING MAP



Federal or State Funded Location Download Options

- Once data is filtered, download subsets of the data to CSV file format
- Includes Location ID field from FCC/CostQuest location data
- Will need CostQuest license to map the locations locally



Moving Past Awards into FCC Location Fabric

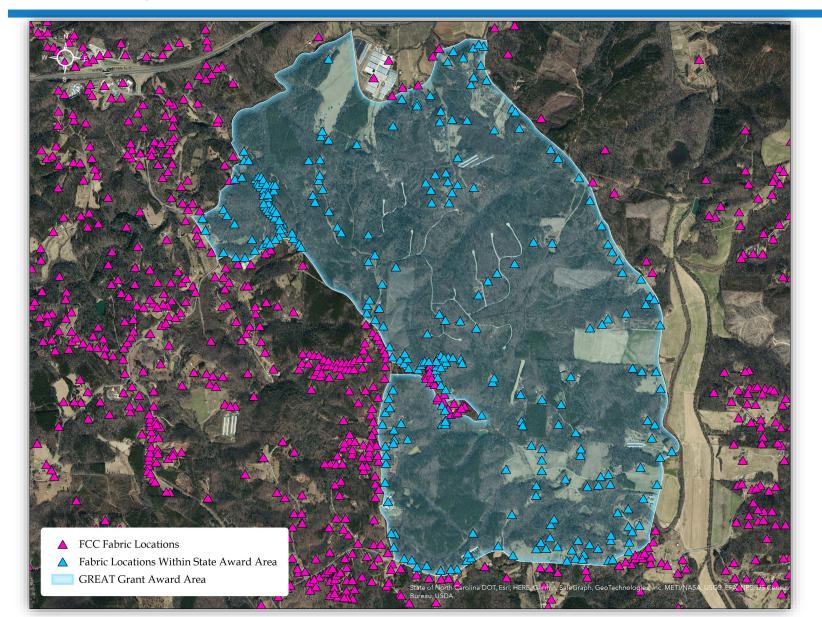


GREAT Grant Rounds 1 and 2 (2018 - 2019)

- Validated build location data intersected with parcels
- Version 3 of FCC Broadband Serviceable Locations selected for the corresponding parcels
- Varying degrees of matches between award data and fabric locations
- Some instances of multiple award locations correlating to one fabric location
- Some instances where an award location has no corresponding fabric location



Moving Past Awards into FCC Location Fabric

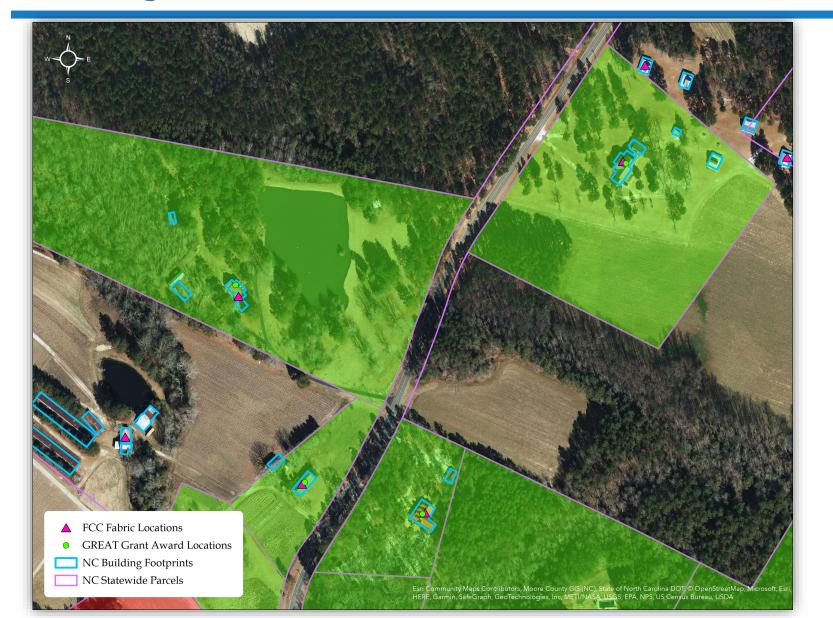


GREAT Grant Rounds 1 and 2 (2018 - 2019)

- Award polygon data intersected with parcels when final builds have not been submitted and validated
- Version 3 of FCC Broadband Serviceable Locations selected for the corresponding census blocks and polygons



Moving Past Awards into FCC Location Fabric



GREAT Grant Rounds 2, 3, and ARPA-funded (2019 - 2023)

- Award location data intersected with parcels
- Version 3 of FCC Broadband Serviceable Locations selected for the corresponding parcels



Moving Past Awards into FCC Location Fabric

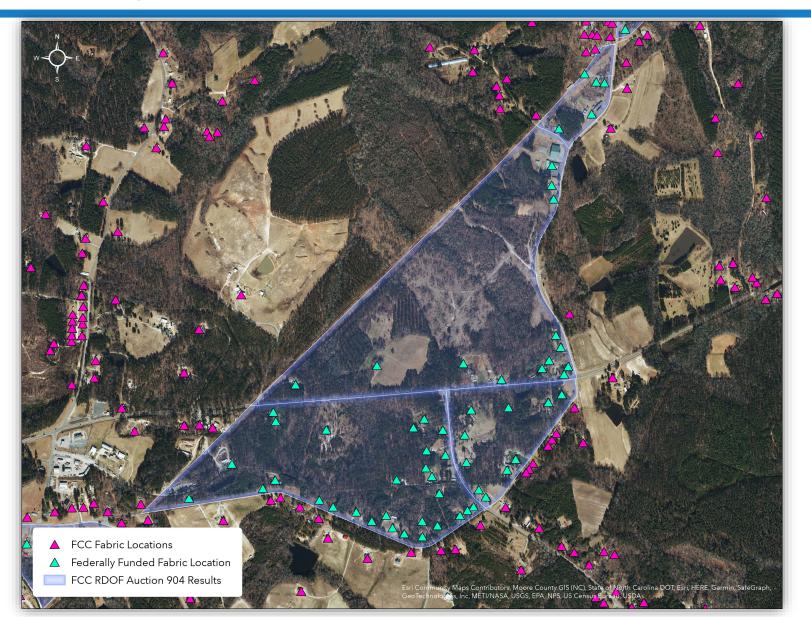


GREAT Grant Rounds 2, 3 and ARPA funded (2019 - 2023)

- Varying degrees of matches between award data and fabric locations
- Some instances of multiple award locations correlating to one fabric location
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Moving Past Awards into FCC Location Fabric



Federal Awards

- Award Areas downloaded from FCC Broadband Funding Map: <u>fundingmap.fcc.gov/home</u>
- FCC Fabric Locations selected that intersect award polygons
- Focus on Unserved and Underserved Fabric Locations from version 3 of the FCC Broadband Data Collection



CAB PROTECTED AREAS INPUT FROM PROVIDERS

- Broadband Infrastructure Office seeking data on:
 - Any corrections needed to the protected areas based on crosswalk
 - Any locally-funded areas that should be protected
 - Any locations inside known protected areas that are outside of scope for that funding program and therefore still un/underserved
- Seeking CSV files with Broadband Serviceable Location (BSL) location IDs and additional fields, and supporting documentation
- Files to be submitted online via secure upload
- CSV template and further details will be provided



CAB PLANNING TOOL

NC Completing Access to Broadband (CAB) Planning Tool

County Filter:
ALL COUNTIES

NC Broadband Grant Addresses (ARPA Funded)

NC Broadband Grant Addresses

Funding Program -Contract Status

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

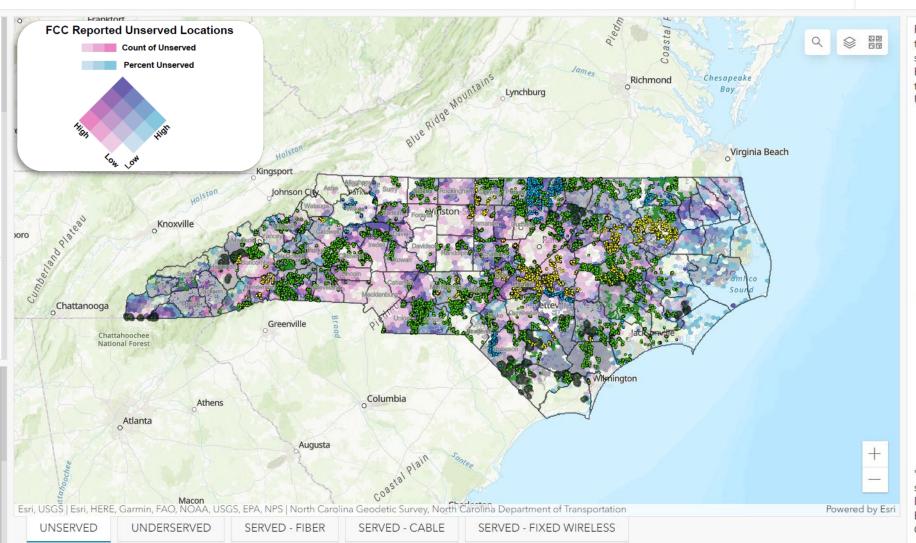
GREAT Grant Awarded Areas and Address Locations 2018-20220

Great Grant Award Addresses

For detailed instructions for this tool and additional information on the data included in this map, use the NC CAB Planning Tool Help.

Filter by county using the dropdown in the upper right corner of this dashboard.

Once a county filter has been



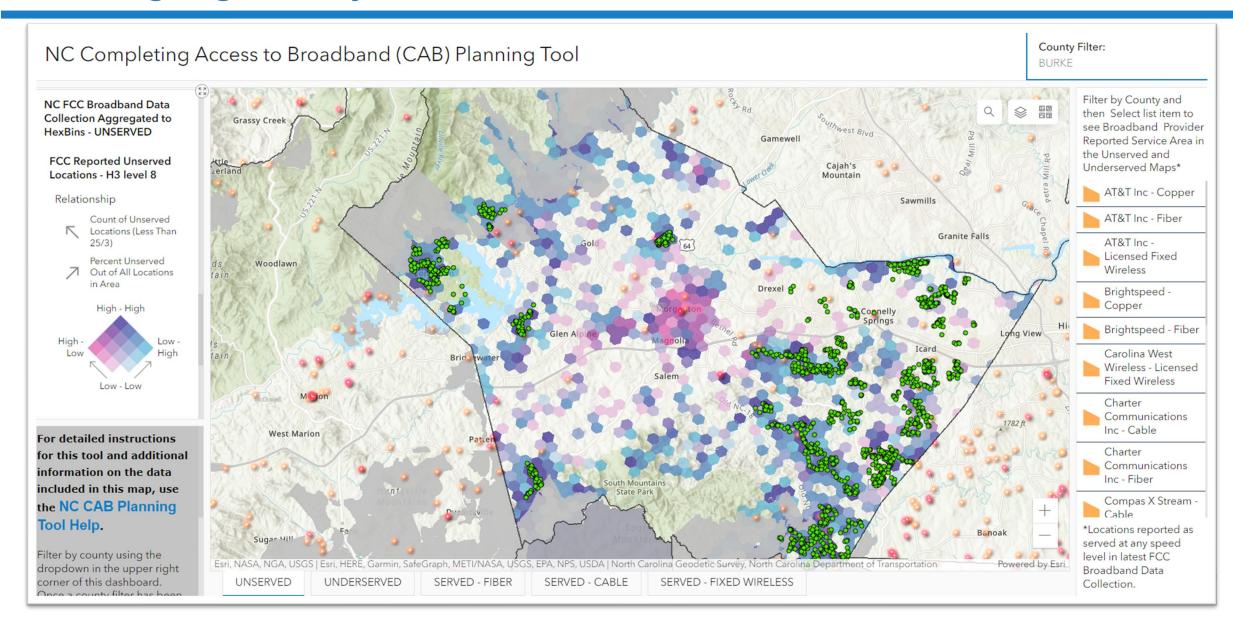
Filter by County and then Select list item to see Broadband Provider Reported Service Area in the Unserved and Underserved Maps*

Selection required on one or more elements

*Locations reported as served at any speed level in latest FCC Broadband Data Collection.

NC Broadband Profile

Defining Eligible Project Areas



DATA MODIFICATIONS

- FTTH: served where speeds meet or exceed thresholds
- Cable: served where speeds meet or exceed thresholds
- DSL: unserved (consistent with ARPA-funded GREAT grant)
- Unlicensed Fixed Wireless: unserved (consistent with ARPA-funded GREAT, grant and BEAD)
- Licensed Fixed Wireless:
 - Over Mobile Networks: unserved (consistent with ARPA-funded GREAT, grant)
 - Over traditional fixed wireless networks: underserved
 - Licensed By Rule: unserved



PROTEST PROCESS FOR CAB

- Two-step Protest process:
 - Submissions regarding statewide eligible locations prior to CAB program launch
 - Submissions regarding eligible locations within a county prior to procurement window for that county
- Submit CSV file of BSL location IDs, additional fields about proposed corrections, and supporting documentation
- CSV template will be provided
- Providers alerting us to any areas already served today that may still be showing as unserved and eligible in CAB Planning Tool
 - Buildout more recent than available FCC data
 - Errors or unintentional omissions
 - Does not include planned service



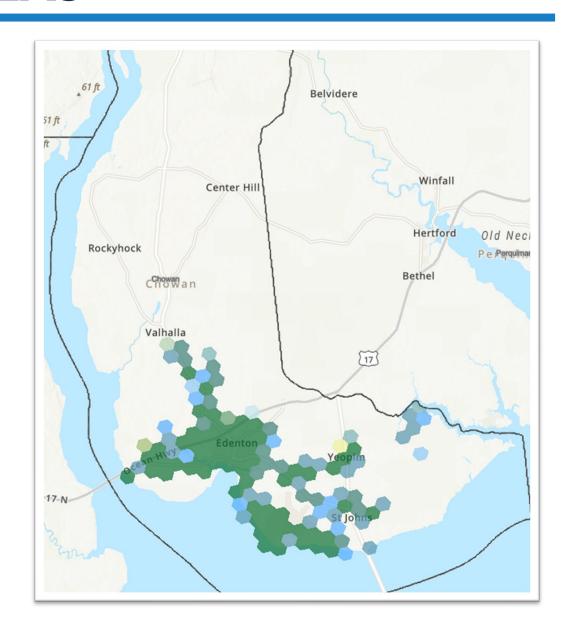
CAB Data Exchange Secure Cloud Folders for Sending Data Files

- Amazon Web Services "buckets"
- ISPs and counties will each have private folder
- Shared resources folder?
- Data contacts identified by internet provider
 - Send data contact's name, email and phone number to broadbandmapping@nc.gov
- Secure credentials issued to each ISP data contact
- Upload files securely from browser
- Instructions will be provided



CAB COUNTY PRIORITY AREAS

- Created by counties in partnership with Broadband Infrastructure Office
 - Eligible locations countywide prioritized equally if no county input
- Will define Scope of Work for each county
- Downloadable CSV file indicating prioritized BSL location ID's
- Will be publicly displayed in CAB Planning Tool Map
- Level 8 H3 Hexagons



SUBMITTING PROPOSED CAB PROJECT AREAS

- CSV file of BSL location IDs and proposed service information
- CSV template will be provided
- Instructions will be provided
- Will be aggregated to H3 hexagons for public and non-licensed stakeholders
- Hexagons map layer will be provided for download
- Advantageous to reach as many eligible BSLs within county prioritized scopes of work as possible
- Advantageous to reach all unserved and underserved in as many hexagons as possible



CostQuest Licenses

Required for Using BSL Fabric for CAB Program

- Webinar next week Thursday, Dec. 7 at 11 a.m.
- Tier D licenses for internet service providers
- Tier E licenses for participating counties
- Purpose: allowable uses of Broadband Serviceable Location (BSL) data for ARPA, BEAD, other federally-funded work
- Will cover steps to obtain licenses
- Will cover how licensees can use data





NEXT STEPS AND QUESTIONS

- Updates to CAB Program Guidance document at ncbroadband.gov/CAB
- Distribution of email to providers on funded areas (and collection of data adjustments)
- Finalizing CAB Eligible Locations Map and opening of statewide protest process
- CAB Webinar on programmatic updates Monday, Dec. 18
- Please submit mapping questions to <u>broadbandmapping@nc.gov</u> and program questions to <u>CABprogram@nc.gov</u>

