Why Are We Here?

- State ARPA Legislation passed by General Assembly and signed into law by the Governor in May 2022

- Large focus on Broadband Deployment

- Eligible census blocks that may be funded for ARPA SFRF have been mapped (US 2020 Census Block Data)
  - Established 'Priority Areas' as written in state legislation
  - Unserved census blocks are the only areas available for funding

- Providing ISPs with opportunity to challenge or comment on eligibility map – Comments due back to ORS by **6/30/2022 (NO EMAILS)**

Purpose and Need – Mitigate Overbuilds

- The purpose of this process is to challenge unserved locations on the SC Broadband Office's 03/2022 eligibility map. To be considered "served", **80%** of housing units within the Internet Service Provider (ISP)-designated challenged 2020 census block(s) must have standard broadband service available at reliable speeds of **25/3 Mbps download/upload**, and the residence must be served by **fiber or cable only (no DSL).**

- Additionally, there can be **no additional cost to the owner or occupant requesting service**. If the broadband customer is or may be required to bear additional costs to construct a drop or line to the residence, then the census block is considered **UNSERVED**.
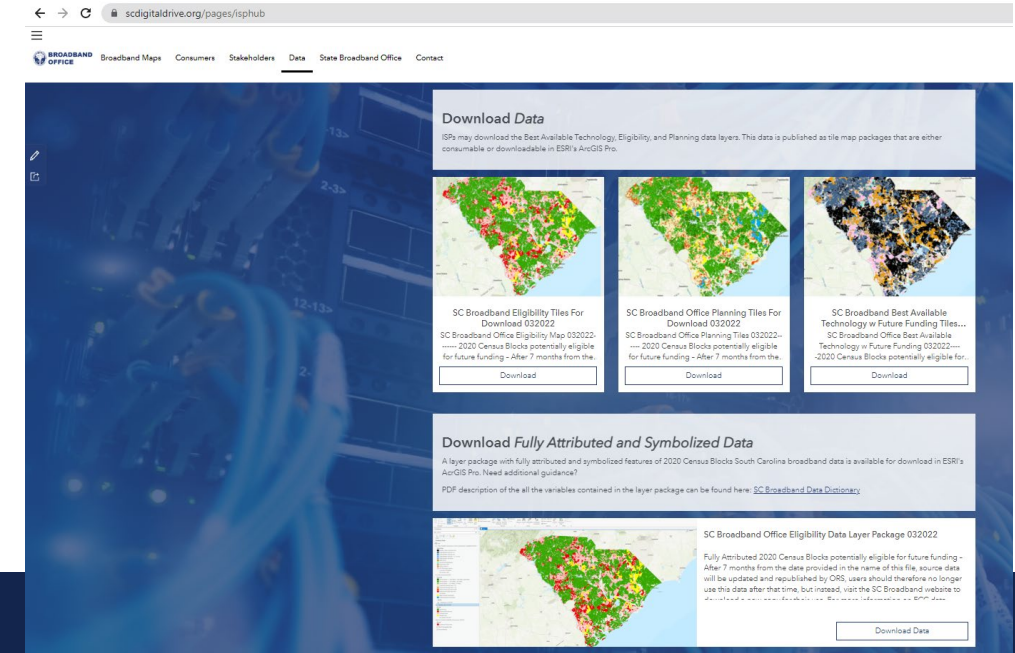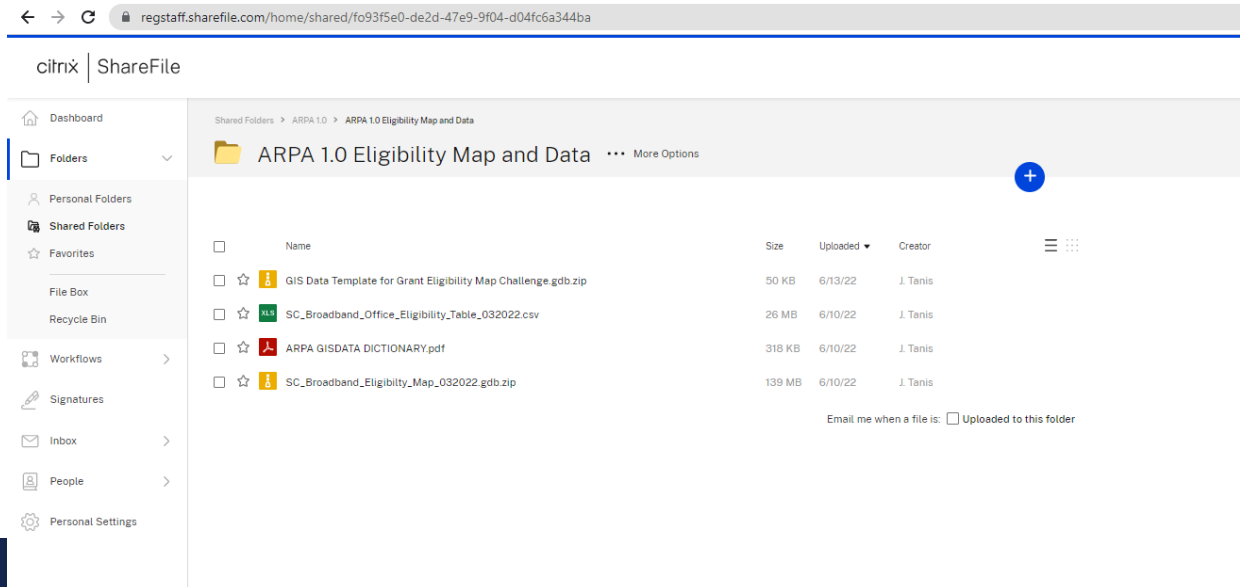
The Goal of this Session

Topics covered will include:

- How to download and symbolize the eligibility map in GIS

- Overview of interpreting map data

- Using the template GIS data

- How to submit a successful eligibility map challenge
  - Challenging an unserved area as served (work completed)
  - Challenging an unserved area as served (project funded construction in progress\project funded construction has not started)

- What are the deadlines

- Where to submit your challenge data

- What happens when there is a successful challenge

- Q&A

South Carolina

Eligibility

March 31, 2022

Eligibility Status

- Served
- UnServed Priority Area
- UnServed
- Funded

Data Sources: Based on SC Broadband Office analysis of FCC Form 477, Dec. 31, 2021 reported directly to our office by Internet Service Providers. Satellite and mobile broadband services are excluded. Demographic data based on US Census 2020 information.

The SC Broadband Office is neither responsible nor liable for damages or injuries caused by failure of performance, error, omission, inaccuracy, inaccessibility, incompleteness or any other errors in information or formatting on this map.

Speedtest Intelligence® data from Jan. 1, 2019 through Mar. 31, 2022 combined for analysis in the region. Ookla® trademarks used under license and reprinted with permission.

Additional broadband information may be found at www.scdigitaldrive.org. Submit comments or questions to maps@ors.sc.gov

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Downloading GIS Broadband Data from ORS

- Applicants must fill out the **Data Access Request form**, found here: https://arcg.is/1fiq1j
  - Provides access to download data from SCDigitalDrive hub site and Citrix File Share
  - Users must fill out this form prior to obtaining access to GIS Data

About the Data

- One layer for download
- Capable of symbolizing all maps produced by SC Broadband Office (refer to data dictionary)
- If downloading from Hub site, data is fully symbolized to match broadband maps using ArcPro
  - Users can drag the symbolized data from ArcPro to ArcMap and map symbology will be preserved
- If downloading from Citrix, data needs to be symbolized by ISP to match broadband maps
- GIS Data dictionary is located on Citrix and SCDigitaldrive

ARPA GIS Data Dictionary

- **GEOID20** - 2020 Census Block Field ID

- **CountyDesc** - County Name

- **TechCode** - Type of technology deployed sourced from the FCC

- **Technology** - Users should symbolize against this field for rendering best available technology sourced from the FCC. These values correspond to the FCC TechCode

- **FUSEDHU** – Estimated number of housing units in a census block.

- **Served** - Census block outlining eligibility status for State grant funding for Broadband Deployment. Values include: N = Unserved, Y = Served, PA = Unserved Priority Area, F = Funded, NA = Not Applicable

- **Planning** - Users should symbolize against this field for regenerating the SC Broadband planning map

- **K12TotStud** – Presence of K-12 Students sourced from State Department of Education. Value represents student counts by Census block. Values include: 0 Students = 0, 5 students or less are summarized with a value of YES, 6+ students show the raw student count per census block.

- **DDA** – Difficult Development Areas as sourced by the Department of Housing and Urban Development (HUD). Values include Yes, No

- **PriorityArea** – Priority Areas as defined by South Carolina American Rescue Plan Act (ARPA) legislation. Areas of Priority include 1) unserved areas with no current Internet Service Provider ("ISP"), 2) Difficult Development Areas as identified by U.S. Department of Housing and Urban Development ("HUD"), and 3) census blocks that have a high concentration of unserved public K12 student households as documented by the South Carolina Department of Education. Values include: Yes, No

Demonstration

How to Download and Interact with
SC Broadband GIS Data

What can be challenged?

- ISPs can challenge the status of any UnServed census block published within the eligibility map

- Scenario 1 – Work is completed, network functional, customers are turned on

- Scenario 2 – Project funded, work is in progress, network not yet functional but nearing completion

- Scenario 3 – Project has been funded, work has not yet begun

Scenario 1 - Construction Complete

Challenging an UnServed Area as Served (Project funded, work/Construction Completed)

- Map Challenge Form filled out in its entirety https://arcg.is/0LfnyC
- GIS Template data rendered in the challenged census block(s), to include:
    - Census block layer
    - Provider Service Area
    - Housing Units which either have access or are accessible with no AIC
    - Fiber/Cable Lines
- Sufficient evidence including but not limited to geotagged photos of speed tests, geotagged photos of active construction, or billing statements coincident in the challenged area uploaded to the ORS Citrix File Share ARPA Map Challenge Directory

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Scenarios 2 & 3 – Future Project

Challenging an UnServed Area as Served

Funded, In progress OR Funded, has not started

- ORS has developed a "Funded Project Register"
  - Requesting Engineering Timeline and GIS Linework using SC Broadband Office Template GIS data
  - Construction must be completed by **June 30, 2023**
  - Affidavit must be signed by agent of ISP certifying project is fully funded with either private or public dollars
  - Funding source must be provided
  - More information will be published on the ARPA page of the ORS website: https://ors.sc.gov/broadband/investments/state/arpaslfrf

Where to Submit Challenge Materials

Submitting Challenge Materials:

1. ISPs must fill out the Map Challenge
   form located here: https://arcg.is/0LfnyC

2. All the required materials/documentation needs to be submitted to
   the Map Challenge folder on Citrix

What Happens with a Successful Challenge

Successful challenge:

- ORS will issue a written determination concerning the challenge

- Results may also be published on the ORS website

- A new eligibility map will **NOT** be created, GIS Data and a list of successfully challenged census blocks will be posted on Citrix, ORS Website, and SCDigitalDrive

Demonstration

How to Interact with the Template GIS Data provided by the SC Broadband Office

*template GIS Data **MUST** be used for all scenarios

Q&A

Please email questions to broadband@ors.sc.gov - All questions will be aggregated and posted with responses as FAQs on the ARPA page of the ORS website

https://ors.sc.gov/broadband/investments/state/arpaslfrf

Key Takeaways

- Template GIS Data will be used in all scenarios as well as Application Submission Process for ARPA SFRF
- Must fill out map challenge form, AND upload GIS Template Data, AND upload supporting evidence for a successful challenge
- No Challenge documentation/materials will be accepted via email
- Map Challenge Due Date is 6/30/2022
- New Eligibility Map will not be Published
- Successful Challenges will be Published
- Submitting Challenge alone does not guarantee acceptance by ORS
- Challenges must be based on use of Fiber or Cable only, no DSL
- To be considered served, must serve (or will serve), 80% or more of all Housing Units within Census Block with no AIC costs
- FCC Reporting requirments change as of Sept 1, 2022