# Agenda

<table>
<thead>
<tr>
<th>Item</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome / Roll Call</td>
<td>Jim Stritzinger, Co-Chair</td>
</tr>
<tr>
<td>Review &amp; Approve Minutes</td>
<td></td>
</tr>
<tr>
<td>Legislative Update</td>
<td>Nanette Edwards, ORS</td>
</tr>
<tr>
<td>SC Broadband Office Update</td>
<td>Jim Stritzinger, ORS</td>
</tr>
<tr>
<td>County/Municipal ARPA Projects</td>
<td>Anna Berger, Co-Chair</td>
</tr>
<tr>
<td></td>
<td>Jason Ward, Administrator</td>
</tr>
<tr>
<td></td>
<td>Dorchester County</td>
</tr>
<tr>
<td>Other Business</td>
<td>All</td>
</tr>
<tr>
<td>Next Meeting – Tuesday, Oct. 11, 2022</td>
<td>All</td>
</tr>
<tr>
<td>Adjourn</td>
<td>All</td>
</tr>
</tbody>
</table>
The funds in the ARPA Broadband Account shall be used to expand broadband infrastructure to households, businesses, and communities in the State that are *unscribed* or *underserved* by broadband services.
SC Digital Drive Refresh
www.scdigitaldrive.org
South Carolina

Best Available Technology
March 31, 2022

Best Available Technology (type | capability)
- Fiber | Speeds >= 100 Mbps/100 Mbps (symmetric)
- Cable (DOCSIS 3.1+) | Speeds >= 100 Mbps/100 Mbps (symmetric)
- Cable (DOCSIS 3.0) | Speeds >= 100 Mbps/20 Mbps
- Cable (DOCSIS < 2.0) | Speeds >= 25 Mbps/3 Mbps
- VDSL (Fiber-To-The-Curb) | Speeds >= 10 Mbps/1 Mbps
- ADSL2, ADSL2+ | Speeds >= 6 Mbps/1 Mbps
- Fixed Wireless | Speeds >= 10 Mbps/1 Mbps
- ADSL | Speeds >= 3 Mbps/768 kbps
- No Internet Service Available
- Zero Households

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 estimates.

The SC Broadband Office is not responsible for damages or injuries caused by failure of performance, error, omission, inaccuracy, incompleteness or any other errors in information or formatting on this map.

Specializeddemographic data from Jan. 1, 2016 through March 31, 2022 combined for analysis at the regional. Geospatial transformations used under license and reported with permission.

Additional broadband information may be found at www.scbroadband.org. Submit comments or questions to map@ons.scc.gov.

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“Begin With the End in Mind”

Steven R. Covey, *7 Habits of Highly Effective People*

**Speed Tiers (download / upload)**
- **100 Mbps / 100 Mbps (symmetric)**
- **100 Mbps / 20 Mbps**
- **25 Mbps / 3 Mbps**
- **Zero Households**

**Unserved Housing Units**
- **100 or More**
- **26 - 99**
- **11 - 25**
- **1 - 10**

**DON’T INVEST HERE**
**Green:** Already served. Meets or exceeds FCC’s 25/3 Mbps
**White:** Nobody lives there.

**INVEST HERE!**
Find the “freckles” and prioritize them. Freckles are places with a lot of homes with poor Internet.
## South Carolina Statewide

### Statistics

**March 31, 2022**

<table>
<thead>
<tr>
<th>Metric</th>
<th>US Census</th>
<th>Population</th>
<th>Housing Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td></td>
<td>4,625,364</td>
<td>2,137,683</td>
</tr>
<tr>
<td>2020</td>
<td></td>
<td>5,118,425</td>
<td>2,344,963</td>
</tr>
<tr>
<td>March 31, 2022</td>
<td></td>
<td>5,119,045</td>
<td>2,346,388</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Metric</th>
<th>CURRENT</th>
<th>Current Below 25 Mbps Download / 3 Mbps Upload</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>March 31, 2022</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Population</td>
<td>388,629</td>
<td>7.6%</td>
</tr>
<tr>
<td>Public K-12</td>
<td>50,167</td>
<td>7.1%</td>
</tr>
<tr>
<td>Housing Units</td>
<td>181,715</td>
<td>7.7%</td>
</tr>
<tr>
<td>Qualified HU</td>
<td>23,813</td>
<td>13.1%</td>
</tr>
</tbody>
</table>

### ACCESS

<table>
<thead>
<tr>
<th>Metric</th>
<th>CURRENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber</td>
<td>892,935</td>
</tr>
<tr>
<td>Cable</td>
<td>2,022,211</td>
</tr>
<tr>
<td>Copper</td>
<td>1,911,509</td>
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</table>

### ADOPTION

<table>
<thead>
<tr>
<th>Metric</th>
<th>CURRENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber</td>
<td>336,939</td>
</tr>
<tr>
<td>Cable</td>
<td>1,203,234</td>
</tr>
<tr>
<td>Copper</td>
<td>300,184</td>
</tr>
</tbody>
</table>

### ACP Enrollment

<table>
<thead>
<tr>
<th>Metric</th>
<th>CURRENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subscribers</td>
<td>205,051</td>
</tr>
<tr>
<td>Service</td>
<td>$4,603,516</td>
</tr>
<tr>
<td>Device</td>
<td>$240,383</td>
</tr>
<tr>
<td>Devices</td>
<td>2,408</td>
</tr>
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</table>

### FUNDED PROJECTS

<table>
<thead>
<tr>
<th>Metric</th>
<th>CURRENT</th>
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</thead>
<tbody>
<tr>
<td>Population</td>
<td>51,441</td>
</tr>
<tr>
<td>Public K-12</td>
<td>6,126</td>
</tr>
<tr>
<td>Housing Units</td>
<td>24,612</td>
</tr>
<tr>
<td>Qualified HU</td>
<td>3,297</td>
</tr>
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</table>

### FUTURE

<table>
<thead>
<tr>
<th>Metric</th>
<th>CURRENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>337,188</td>
</tr>
<tr>
<td>Public K-12</td>
<td>44,041</td>
</tr>
<tr>
<td>Housing Units</td>
<td>157,103</td>
</tr>
<tr>
<td>Qualified HU</td>
<td>20,516</td>
</tr>
</tbody>
</table>
Tools and resources to inform consumers and stakeholders

Don’t have access to internet? Take the Need Internet survey

Search for maps by county and type

Current Total Housing Units
With At Least
254 Mbps / 37 Mbps Service
2,164,673*

Without
254 Mbps / 37 Mbps
181,715

SC Broadband Dashboard March 2022

SC Broadband Dashboard March 2022 Data

Explore Maps

ORS.SC.GOV
SCBBO Staffing Enhancements

1) JUNE 30, 2022 – 3 Dedicated FTEs
   • Jim Stritzinger – Director
   • Mike Herzberger – Deputy Director
   • James Tanis – Sr. Data Scientist
   • Finance, Legal, IT, Admin – Shared Staff

2) JULY 2022 – 3 New FTEs
   • Program Coordinator – Emily Keys
   • GIS Specialist - Michael Borowski
   • GIS Specialist - Angelica Petsch
2022 SC BROADBAND GRANT PROGRAMS

**Last Mile Pilot**
- SC Funds
- Construction concludes by Dec. 31, 2022

**Priority Area Grant**
- ARPA SFRF
- Construction concludes by Dec. 31, 2024

**Accelerated Project Grant**
- ARPA SFRF
- Construction began on/after March 15, 2021 and concludes by June 30, 2022

*All dates are pending approval and are subject to change without notice.*
Last Mile Grant Pilot Program

1) Direct Support for “I Need Internet” Survey Respondents
2) Targeting “Donut Holes” in Served Census Blocks
3) Applications Opened April 20 / Closed May 6
4) Awarded ~$1.3M, to connect 569 Residential Homes
5) Six Internet Service Providers
   • CarolinaConnect
   • Charter
   • Comporium
   • Horry Telephone Cooperative
   • TruVista
   • WC Fiber
6) Construction Complete By Dec. 31, 2022
What are Accelerated Projects? (Preliminary)

1) Broadband construction to unserved areas that was initiated on/after March 15, 2021 and was operational by June 30, 2022.

2) Unserved Areas are defined by Sep 2021 SC Eligibility Map
   ✓ This map represents FCC Form 477 June 30, 2021 status and excludes DSL

3) ORS will award up to $25,000,000 of the allocated ARPA funds

4) ORS will likely accept applications in Q4 2022

5) Applications must document operational status

6) Applications will require complete financial submission

Source: H.4408, Section 7B: The grant program may include an opportunity to reimburse a portion of construction costs, incurred on or after March 15, 2021, related to the expansion of broadband during the pandemic.
What are Priority Areas?

Unserved 2020 Census Blocks with:

1) More than 20 public K-12 student households; or,
   ✓ Broadband maps include data from 785,000 public school students that was provided by SC Department of Education

2) Difficult Development Areas as identified by US Housing and Urban Development (HUD); or,
   ✓ Defined geographies that are updated annually by HUD and are the basis for deploying Community Development Block Grants (CDBG) in the United States.

3) No Internet Service Provider
   ✓ FCC Form 477 data shows null value for ISP as of Dec. 31, 2021.

Source: H.4408, Section 9: Priority must be given to unserved areas with no current Internet Service Provider, Difficult Development Areas as identified by U.S. Housing and Urban Development, and census blocks that have a high concentration of unserved public K-12 student households as documented by the South Carolina Department of Education.
How much will ORS invest in Priority Areas?

Depending on the number of qualified applications, ORS may award approximately $180,000,000 of the allocated ARPA funds.

What are the match requirements?

Applicant May Define Their Own Match For Priority Areas!
South Carolina

Eligibility
March 31, 2022

Eligibility Status
- Served
- Unserved Priority Area
- Unserved
- Funded
Map Challenges

For documenting map errors in unserved census blocks due to:
- Map errors or work completed between 12/31/21 and 6/30/22.
- Challenges must be submitted by June 30, 2022, accepted challenges will be posted by July 15, 2022
- FCC Form 477 June 30, 2022 (due Sep. 1, 2022), submissions will be used to audit map challenges.

Funded Project Register

For documenting future projects that are fully funded due to:
- Private Funding
- FCC Rural Digital Opportunity Fund (RDOF)
- USDA ReConnect
- ARPA Local Fiscal Recovery Funds (LFRF, County/Municipal)
- Only for construction that will finish between July 1, 2022, and June 30, 2023
- FPR submissions due by August 1, 2022

These tools help to avoid duplication of facilities!
Eligible Applicants

Must be Internet Service Providers (ISPs) that:
• Offer residential service and have previously filed FCC Form 477
• Provide an affordable high-speed Internet plan (w/o income requirements)
• Participate in the FCC’s Affordable Connectivity Plan (ACP)

Eligible Projects

Must:
• Contain at least one high priority census block of K-12 students
• Serve 80% of housing units in project area census blocks upon completion
• Utilize technology that meets or exceeds 100/100 or provide documentation of scalability from 100/20.
• Must not overbuild existing 25/3 networks.
Scoring Criteria

1. High Priority Area (30%-35%)
2. Total Number of Housing Units Served (20%)
3. Availability – Broadband Infrastructure (15%)
4. Geography (10%)
5. Average Cost Per Structure (10%)
6. Collaboration/Adoption/Community Assistance (10%)
7. Broadband Service Provider Experience (5%)

All eligible applications will be reviewed and scored; however, ORS reserves the right to award grants that are in the public interest and accelerate internet deployment.
# Priority Grant Program Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligibility Map Published on the ORS Website</td>
<td>6/20/2022</td>
</tr>
<tr>
<td><em>Challenge period to eligibility map opens</em></td>
<td></td>
</tr>
<tr>
<td>Application Period Opens</td>
<td>6/30/2022</td>
</tr>
<tr>
<td><em>Challenge period to eligibility map closes</em></td>
<td></td>
</tr>
<tr>
<td>Map Challenge accepted and posted to ORS Website</td>
<td>7/15/2022</td>
</tr>
<tr>
<td>Application Period Closes</td>
<td>8/31/2022</td>
</tr>
<tr>
<td>Submitted Applications Posted on the ORS Website / Comment Period Opens</td>
<td>9/6/2022</td>
</tr>
<tr>
<td>Comment Period Closes</td>
<td>10/3/2022</td>
</tr>
<tr>
<td>Application Review / Selection</td>
<td>11/1/2022</td>
</tr>
<tr>
<td>Funding Agreements Sent to the Companies</td>
<td>11/14/2022</td>
</tr>
<tr>
<td>Funding Agreements Returned to the ORS</td>
<td>12/22/2022</td>
</tr>
<tr>
<td>Notices to Proceed Issued</td>
<td>12/30/2022</td>
</tr>
<tr>
<td>Quarterly Progress Report Due</td>
<td>4/17/2023 - 10/14/2024</td>
</tr>
<tr>
<td>Project Completion</td>
<td>12/31/2024</td>
</tr>
<tr>
<td>Final Reporting Due</td>
<td>1/30/2025</td>
</tr>
</tbody>
</table>

* All dates are pending approval and are subject to change without notice.
Locating Documents

Sign up for all notifications!

Pathway for Grant Docs
SC ARPA Capital Projects Fund
AMERICAN RESCUE PLAN ACT

H. 4408  $400 Million for SC Broadband Infrastructure

Enacted
May 13, 2022

State Fiscal Recovery Fund

- $214.2 Million

Capital Projects Fund

- $185.8 Million

The funds in the ARPA Broadband Account shall be used to expand broadband infrastructure to households, businesses, and communities in the State that are unserved or underserved by broadband services.
1. Main Street Communities
   - ESA = Main St + 2mi buffer
2. Eligible if less than 50% have 100/20
3. Requires 100/100 Symmetric
4. “Dig Once” Opportunities
   - Water & Sewer (RIA)
   - Roads (SCDOT)
SC Rural Broadband Grant Program
Rural Broadband Grant Program (As of 3/31/22)

1) 17 Internet Service Providers / 18 Counties (11 Eligible / 7 Contiguous)
2) $30M State Money / Collaboration w/ SC Department of Commerce
3) 776.1 miles of Fiber Construction
4) Access for 5,023 Housing Units (24% of funded HU)
5) Of the 34 projects
   • Complete – 4
   • > 70% and < 99% Complete – 12
   • > 35% and < 69% Complete – 8
   • > 10% and < 34% Complete – 7
   • 3 Relinquished
6) $26,616,704 Project Expenses Incurred
7) Construction Complete By Oct. 31, 2022
County/Municipal ARPA Projects

Mr. Jason Ward, Administrator
Dorchester County, SC
Other Business
INFRASTRUCTURE ACT* CREATES ~$65B IN BROADBAND FUNDING

NTIA will administer ~$48B of this new funding

<table>
<thead>
<tr>
<th>Program</th>
<th>Funding</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>BEAD</td>
<td>$42.45B</td>
<td>Title I - Broadband Equity, Access &amp; Deployment Program</td>
</tr>
<tr>
<td>DIGITAL EQUITY</td>
<td>$2.75B</td>
<td>Title III – Digital Equity Act</td>
</tr>
<tr>
<td>TRIBAL</td>
<td>$2.00B</td>
<td>Title II - Tribal Connectivity Technical Amendments</td>
</tr>
<tr>
<td>MIDDLE MILE</td>
<td>$1.00B</td>
<td>Title IV - Enabling Middle Mile Broadband Infrastructure</td>
</tr>
</tbody>
</table>

FCC to administer ~$14B for Affordable Connectivity Program, which will replace the EBB program

USDA to administer $2B via the Rural Utilities Service

Private Activity Bonds $600M

Authorizes State/local gov’ts to use private activity bonds for rural broadband

* Infrastructure Investment and Jobs Act, Division F, Pub. L. 117-58 (Nov. 15, 2021)

Note: funding amounts inclusive of all administrative set-asides.
Starlink Pilot Program

1) Collaboration w SCDOE
2) 20 Student/Staff Homes
3) 7 School Districts
   • Allendale
   • Bamberg
   • Barnwell
   • Clarendon
   • Greenville
   • Hampton
   • Williamsburg
4) Statistics
   • 120.5/10.0 Mbps Avg Down/Up
   • 53.5ms Avg Ping
   • 21.1ms Avg Jitter
5) All Live on 6/29/22
Thank you!