



## SC Broadband Advisory Council

Enabling South Carolinians to Thrive in the Global Digital Economy

South Carolina Office of Regulatory Staff | October 11, 2022

## Agenda

Welcome / Roll Call Review & Approve Minutes New BBAC Members

**SC Broadband Office Update** 

**SC Digital Equity Office Introduction** 

#### **Other Business**

Next Meeting – Tuesday, Jan. 10, 2023 Adjourn Jim Stritzinger, Co-Chair Anna Berger, Co-Chair

Jim Stritzinger, ORS

Mike Shealy, SC Admin Sara Pincelli, SC Admin

All

All



## McMaster, Clyburn celebrate milestone of 100K homes provided high-speed internet access

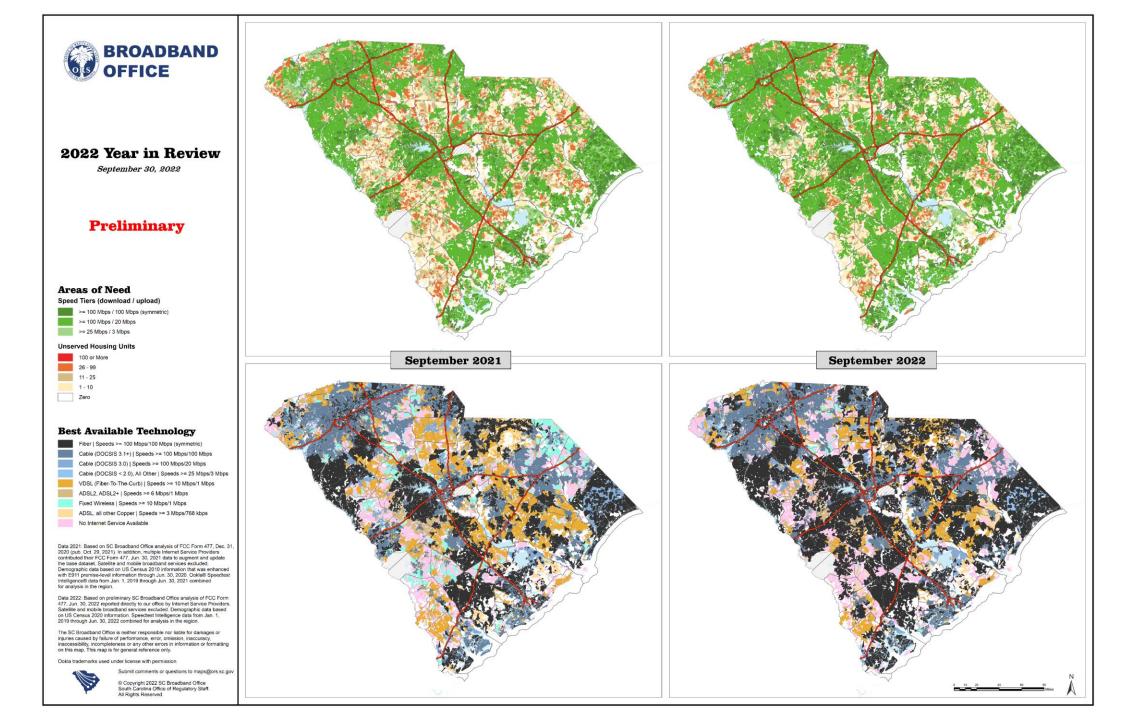
BY SEANNA ADCOX SADCOX@POSTANDCOURIER.COM OCT 3, 2022



U.S. Rep. Jim Clyburn, South Carolina's senior congressman and only elected Democrat in Washington, and Gov. Henry McMaster, a Republican seeking re-election, appeared together in the governor's Statehouse office Monday, Oct. 3, 2022, to celebrate bipartisan efforts to expand access to high-speed internet statewide. Seanna Adcox/Staff

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# Office of Broadband Coordinator

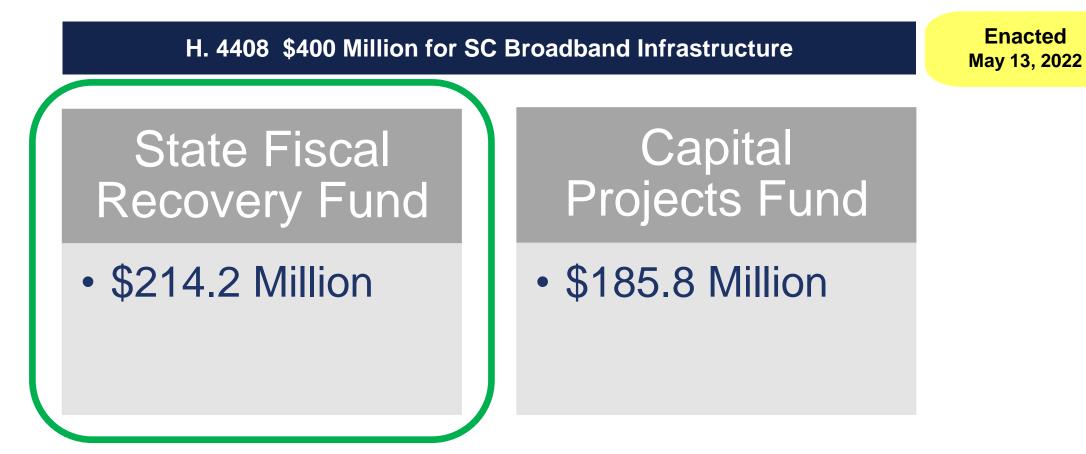
ANNUAL REPORT



## Rural Broadband Grant Program (As of 6/30/22)

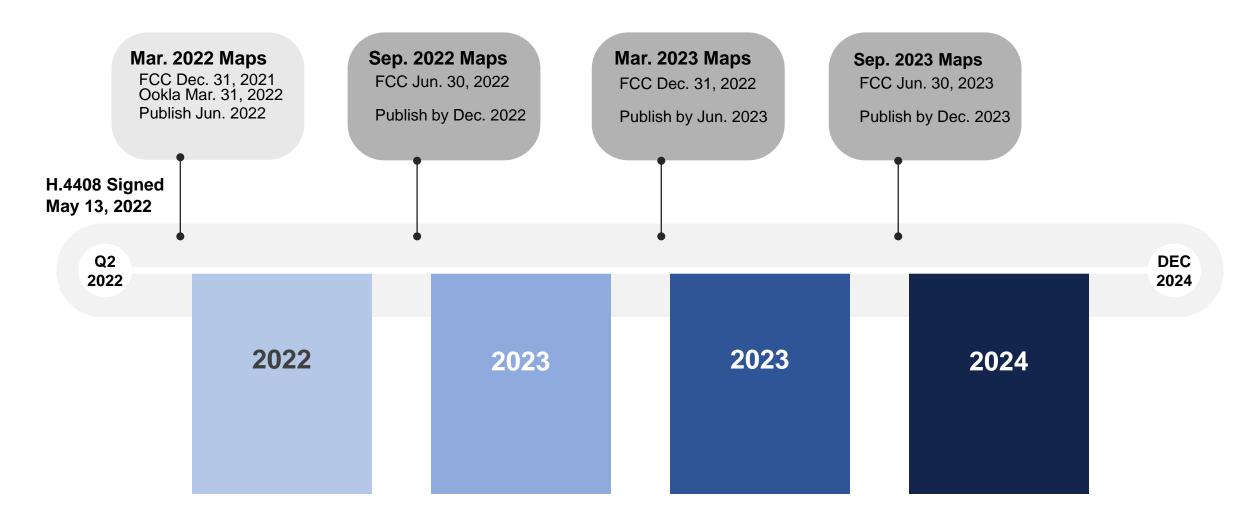
- 1) 17 Internet Service Providers / 18 Counties (11 Eligible / 7 Contiguous)
- 2) \$30M State Money / Collaboration w/ SC Department of Commerce
- 3) 1,245.9 miles of Fiber Construction
- 4) Access for 9,164 Housing Units (54% of funded HU)
- 5) Of the 31 projects
  - Complete 9
  - > 75% and < 99% Complete 13</li>
  - > 50% and < 74% Complete 6</li>
  - < 50% Complete 3
  - 3 Relinquished
- 6) \$42,034,672 Project Expenses Incurred
- 7) Most Construction Complete By Oct. 31, 2022

## **AMERICAN RESCUE PLAN ACT**

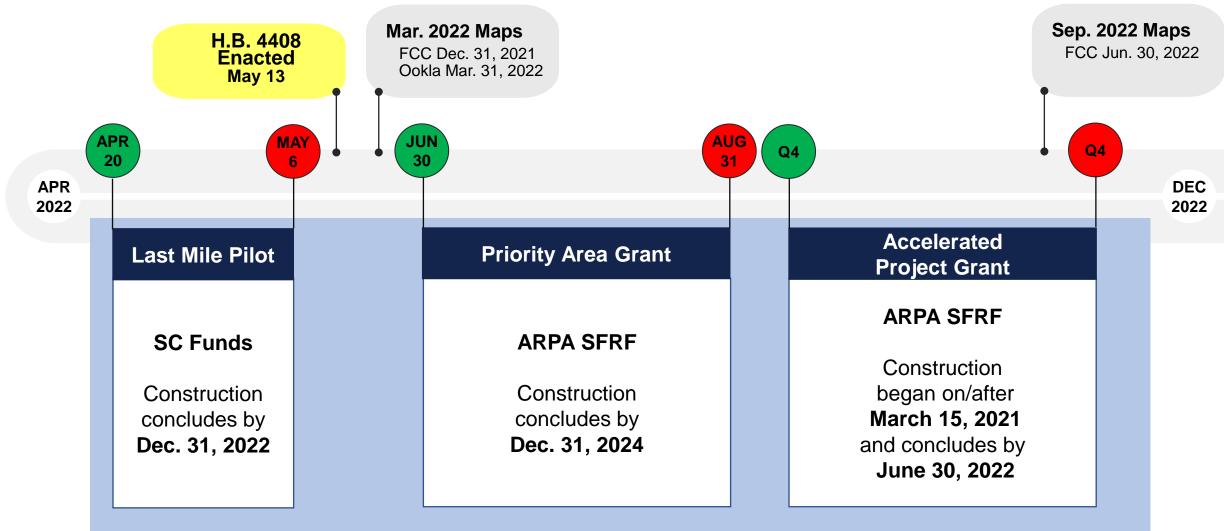


The funds in the ARPA Broadband Account shall be used to expand broadband infrastructure to households, businesses, and communities in the State that are **<u>unserved</u>** or **<u>underserved</u>** by broadband services.

## **SC BROADAND INVESTMENT ROADMAP**



## **2022 SC BROADBAND GRANT PROGRAMS**



\* 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 <u>March</u> <u>15, 2021</u> and was operational by <u>June 30, 2022</u>.
- 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 <u>\$25,000,000</u> 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.

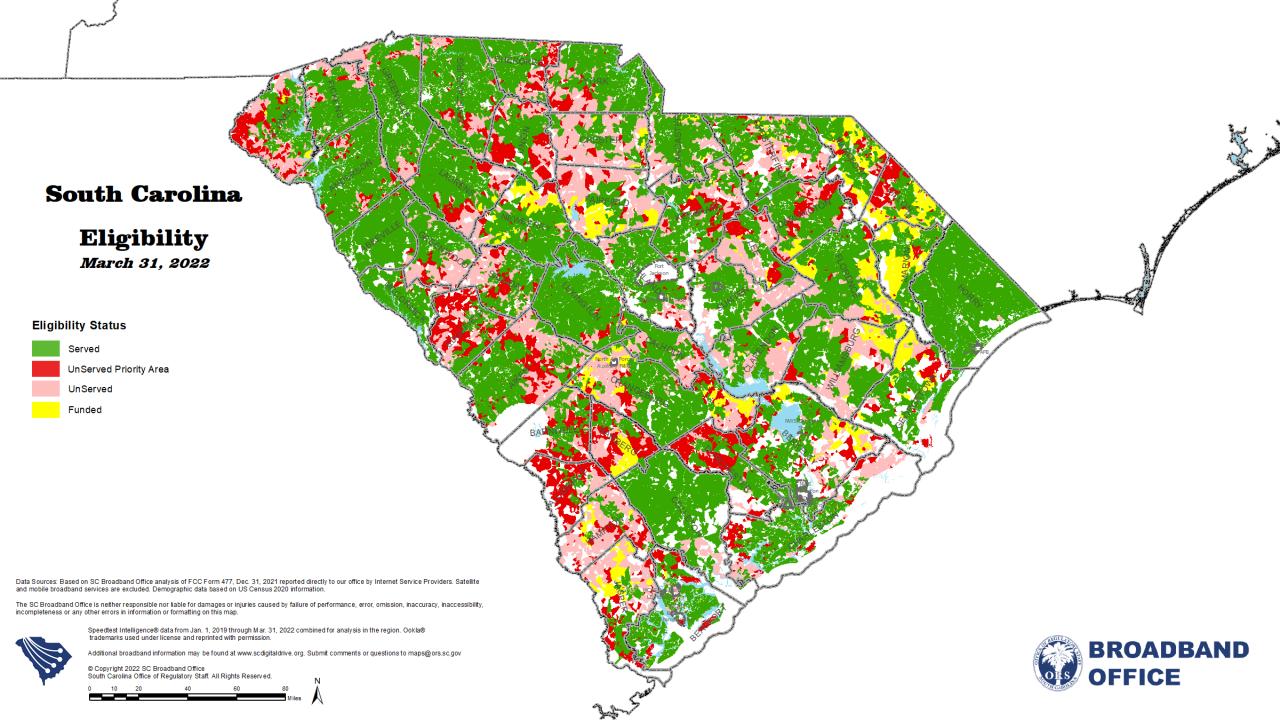
Source: H.4408, Section 9: Priority must be given to unserved areas with no current Internet Service Provider, Difficult Development Areas as identified by U.S. Housing and Urban Development, and census blocks that have a high concentration of unserved public K-12 student households as documented by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

## How much will ORS invest in Priority Areas?

Depending on the number of qualified applications, ORS may award <u>approximately \$180,000,000</u> of the allocated ARPA funds.

## What are the match requirements?

## Applicant May Define Their Own Match For Priority Areas!



## **Priority Grant Program Dates**

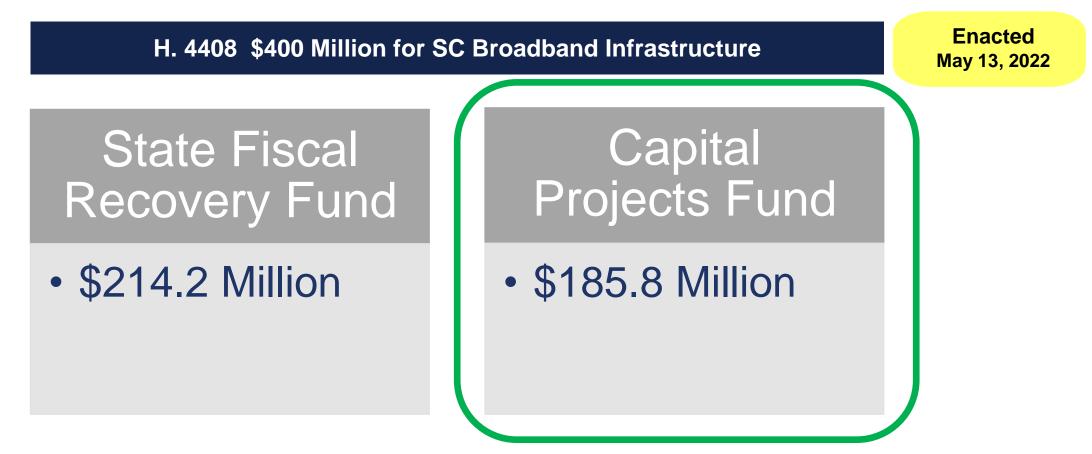
Event	Date
Eligibility Map Published on the ORS Website Challenge period to eligibility map opens	6/20/2022
Application Period Opens Challenge period to eligibility map closes	6/30/2022
Map Challenge accepted and posted to ORS Website	7/15/2022
Application Period Closes	8/31/2022
Submitted Applications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

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

## **Locating Documents**



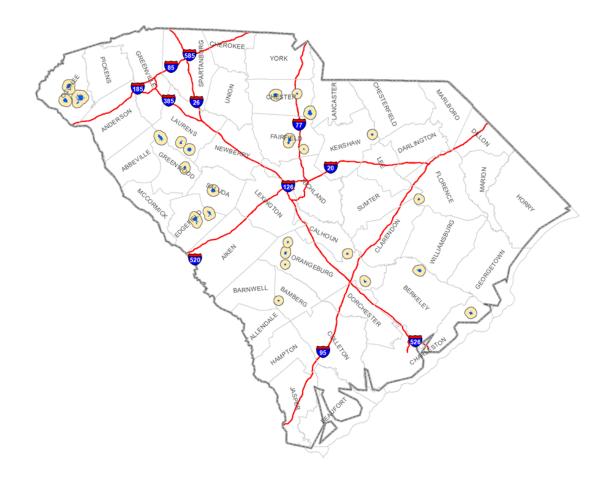
## **AMERICAN RESCUE PLAN ACT**



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#### THE NEXT, NEXT GREATEST THING

Main Street, South Carolina



## **1. Add Main Street Priority Areas**

• Main St + 2mi buffer

## 2. Requires 100/100 Symmetric

- 3. "Dig Once" Opportunities
  - Water & Sewer (RIA)
  - Roads (SCDOT)

## INFRASTRUCTURE ACT\* CREATES ~\$65B IN BROADBAND FUNDING

NTIA will administer ~\$48B of this new funding				FCC to administer ~\$14B	
BEAD	DIGITAL EQUITY	TRIBAL	MIDDLE MILE	<b>\$14.2B</b> For Affordable Connectivity Program, which will replace the EBB program	
\$42.45B	\$2.75B	\$2.00B	\$1.00B	USDA to administer \$2B	
Title I - Broadband Equity, Access & Deployment Program	Title III – Digital Equity Act Three programs, established for planning	Title II - Tribal Connectivity Technical Amendments	Title IV - Enabling Middle Mile Broadband Infrastructure	<b>\$2.0B</b> Via the Rural Utilities Service	
Formula-based grant program for U.S. states and territories. BEAD aims to close the access gap for unserved &	& implementation of programs that promote digital equity, support digital inclusion activities, and build capacity	Furthers current Tribal Broadband Connectivity Program by investing an additional \$2B to fund	Provides funding to extend middle mile capacity to reduce cost of serving unserved and	Private Activity Bonds \$600M \$600M Authorizes State/local gov'ts	
underserved areas of the country.	related to the adoption of broadband.	broadband adoption and infrastructure projects.	underserved areas and enhance network resilience.	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.

### **BEAD (I/II)** | THE "BEAD" PROGRAM WILL PROVIDE ~\$42B FOR INFRASTRUCTURE PLANNING AND IMPLEMENTATION

#### **OVERVIEW**

**Official name:** Broadband Equity, Access and Deployment Program

Funding pool: \$42.45B

**Type of program:** State and Territory formula program

**Program objective**: to close the availability gap, as Congress finds that "access to affordable, reliable, high-speed broadband is essential to full participation in modern life in the United States."

#### **PROGRAM PRIORITIES**

- Unserved locations No access to 25/3 Mbps
- 2 Underserved locations No access to 100/20 Mbps
- 3 Community anchor institutions Without gigabit connections

#### Eligible entity must also prioritize

- Persistent poverty / high-poverty areas
- Speed of proposed network
- Build time
- Demonstrated record on compliance with federal labor & employment laws

#### **OTHER KEY FEATURES**

#### **Quality requirements**

Specific network requirements are included e.g., speeds of at least 100/20 Mbps

#### Matching requirement

Eligible entities must ensure that they or a subgrantee provide at least 25% match (unless waiver granted)

#### Low-cost plan requirement

Required to offer a low-cost plan to eligible subscribers (to be determined by NTIA)

# **BEAD (II/II)** | STATES AND U.S. TERRITORIES ARE ELIGIBLE FOR FUNDING, WITH LEGISLATION SPECIFYING ELIGIBLE ACTIVITIES

#### **ELIGIBLE ENTITIES**

"Eligible entity" for this program refers to all 50 U.S. States and U.S. Territories (including the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands)

#### **ELIGIBLE COSTS & ACTIVITIES**

#### **Planning Funds**

- 1) Research & Data Collection
- 2) Publications, Outreach & Communication Support
- 3) Employee Training for SCBBO
- 4) Operating and Increasing Capacity in the SCBBO
- 5) Asset mapping broadband-related activities
- 6) Conducting surveys of unserved, underserved, and underrepresented communities to better understand barriers to adoption.

## DIGITAL EQUITY (I/IV) | THE DIGITAL EQUITY ACT CREATES 3 SEQUENCED PROGRAMS TO PROMOTE DIGITAL INCLUSION

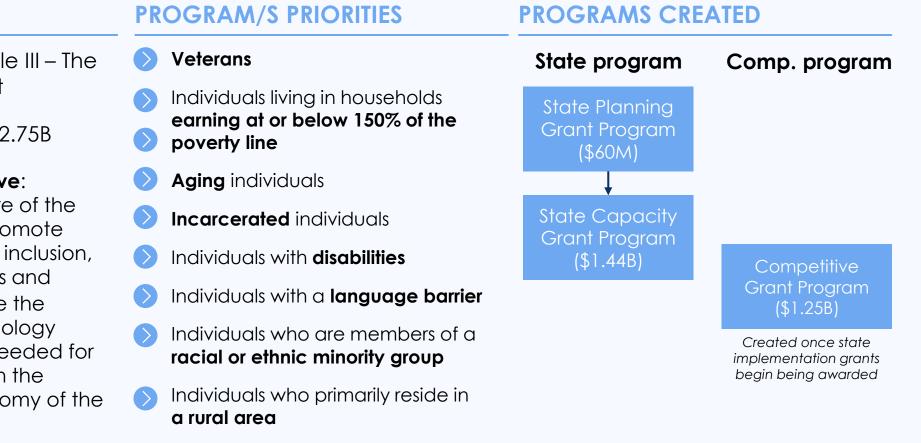
#### **OVERVIEW**

**Official name:** Title III – The Digital Equity Act

Funding pool: \$2.75B

#### Programs' objective:

support the closure of the digital divide & promote equity and digital inclusion, so that "individuals and communities have the information technology capacity that is needed for full participation in the society and economy of the United States."



## DIGITAL EQUITY (II/IV) | THE FIRST PROGRAM CREATES \$60M FOR STATE DIGITAL EQUITY PLANNING

#### State Planning Grant Program

#### **OVERVIEW**

#### ELIGIBILITY

**Official name:** State Digital Equity Planning Grants

Funding pool: \$60M

**Type of program:** State and Territory formula program

#### Programs' objective:

Ensure States have the capacity & appropriate plans to achieve digital equity & support digital inclusion "Eligible entities" for this program are any U.S. State, the District of Columbia & Puerto Rico. State Governors must appoint an 'administering entity', which can be one, or a partnership of:

- The State, political subdivision, agency, or instrumentality of State
- An Indian Tribe, Alaska Native entity or Native Hawaiian organization located in the State
- A foundation, corporation, institution, association, or coalition that is a not-for-profit, not a school, and is providing services in the State;
- A community anchor institution (not a school) located in the State.
- A local educational agency that is located in the State.
- An entity located in the State that carries out a workforce development program.
- An agency of the State that is responsible for administering or supervising adult education and literacy activities in the State.
- A public or multi-family housing authority that is located in the State.

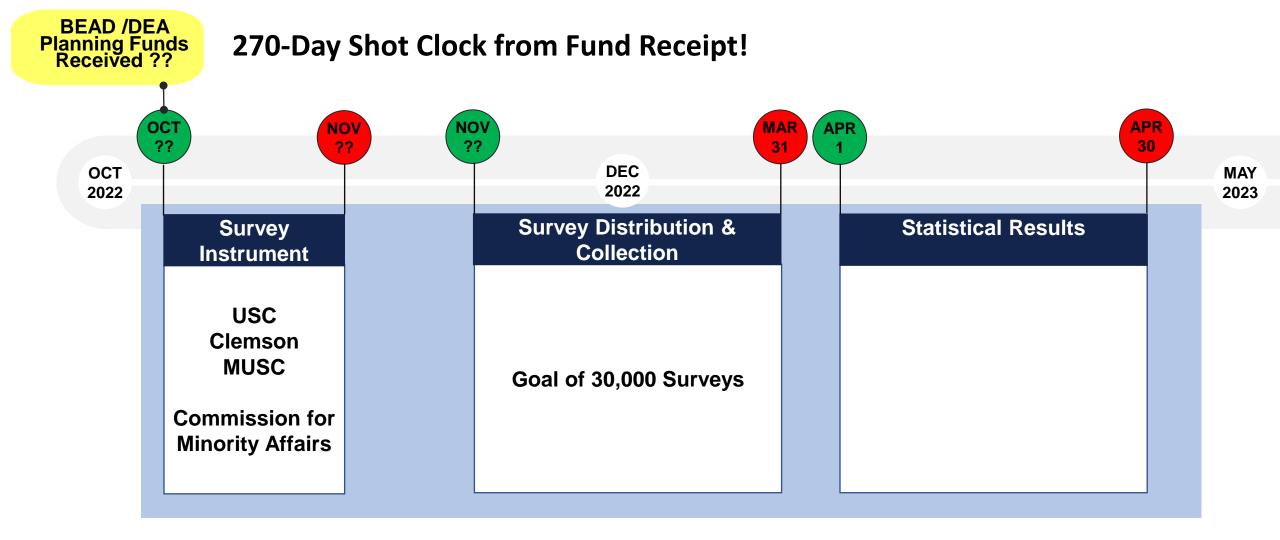
## ELIGIBLE COSTS

Grant funds awarded for planning can only be used for the following purposes

- To develop the Stage Digital Equity Plan
- To make subgrants to any eligible entities <u>to assist in</u> <u>the development</u> <u>of the State Digital</u> <u>Equity Plan</u>

Note: funding amounts inclusive of all administrative set-asides

## **BEAD / DEA Survey Process**





# Digital Equity Dashboard

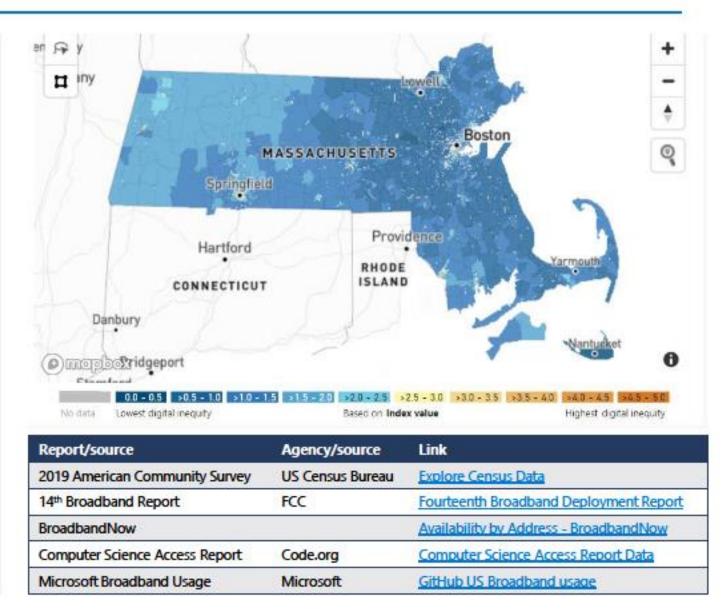
October 2022

Ryan Palmer Global Digital Equity Strategist ryanpalmer@microsoft.com

## **Digital equity data dashboard**

A public-facing tool that empowers state agencies and broadband thought leaders with data to target digital equity funds efficiently and maximize resources and investments in communities of highest need.

### aka.ms/digitalequitymaps



## **Data Sources**

#### 2019 American Community Survey

- 25+ years old without graduating high school
- No internet subscription: broadband such as cable, fiber optic or DSL
- No broadband internet subscription in households < \$20,000</li>
- No broadband internet subscription in households \$20k \$74,999
- No broadband internet subscription in households \$75,000+
- 25+ years old without an associate's degree or higher
- 25+ years old without a bachelor's degree or higher
- Below poverty level in the past 12 months
- Below 150% poverty level in the past 12 months
- Below 200% poverty level in the past 12 months
- Disability status
- Households without a desktop or laptop
- Without an internet subscription: broadband of any type

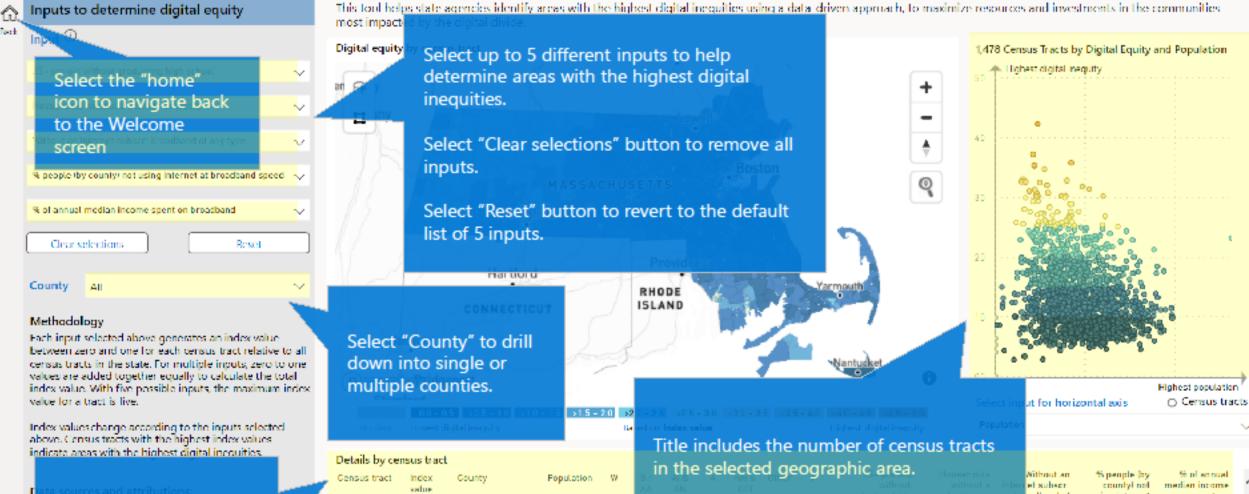
### FCC 14<sup>th</sup> Broadband Report

- Without access to broadband of any type
- Without broadband: DSL
- Without broadband: cable
- Without broadband: fiber
- Without broadband: terrestrial fixed wireless

BroadbandNow	Code.org	Microsoft
% of annual median income spend on broadband	% of high schools without a foundational CS course	% of people not using the internet at broadband speed

#### **DIGITAL EQUITY / MASSACHUSETTS**





2.374 67%

2.123 62%

4,250 79%

2.197 75%

2,773 51%

6.850.553 78%

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- FOC Source Date: FOC Form 477
- Select a field header to
- sort the list of census
- wtracts by ascending or
- descending order

Race - W: White | 87 AA: Black or African American | AL& AN: American In Ethnicity - H: Hispanic or Latino

Esser County

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Total

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\$2

3.7

3.5

3.5

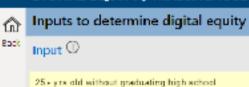
35

Each dot in the scatter plot represents a census tract. The vertical scale represents the Index value ( the higher the dot, the higher the digital inequities and the horizontal scale is the number of people

at for noneontal earo		0		
			~	
Aithout an et subscr tadband of any type	% people (by county) not using internet at broadband speed	% of annual median income spent on broadband	~	
49.7%	30.6%	1.7%		
45.6%	30.6%	1.7%		
53.4%	30.6%	13%		
50.9%	30.6%	1.3%		
578%	28.7%	12%		
13.6%	26.5%			

(includes two or more races)

#### DIGITAL EQUITY / MASSACHUSETTS



Select one

Blank field

Select one input, "25+ without graduating high school,"

#### unty Al

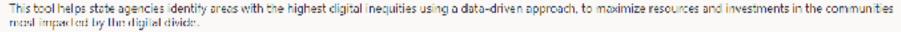
If the user sorts the "Details by census tract table" to reveal the census tracts with the lowest index values, they will see the census tracts with the lowest number of residents over 25 without a high school diploma, which have a value of 0.

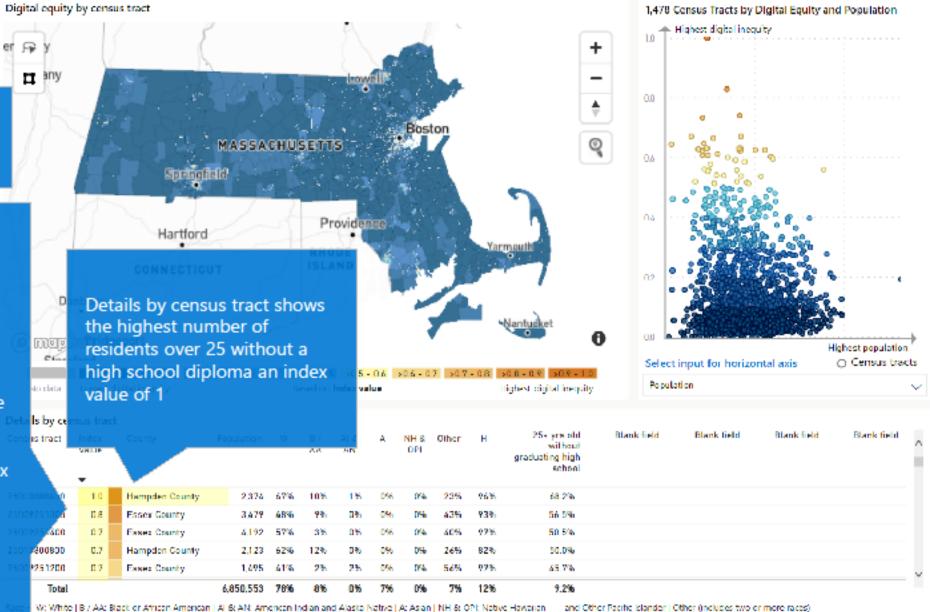
#### ata sources and attributions:

All other census tracts receive index values relatively from 0-1 High index value = high digital inequity, or high need for digital equity funding/interventions

#### ownload dat

Microsoft AL for Good Lab





Econolity - H: Hispanic or Latino



# Thank you!

