



**PROJECT UPDATE**

# Georgia Broadband Deployment Initiative

# Broadband Deployment Initiative: Governance

## ACE EXECUTIVE STEERING COMMITTEE



**DCA**  
Commissioner  
Nunn



**GTA**  
Executive Director  
Rhodes

## ACE ADVISORY COMMITTEE

AT&T  
ACCG  
GA Cable Assoc  
Comcast  
GEDA  
GA Telecom Assoc  
GA EMC  
Windstream

## EXECUTIVE DIRECTOR BROADBAND

PMO



## PROJECT TEAM



**DCA**



**GTA**



**DOT**



**SPC**



**DEcD**

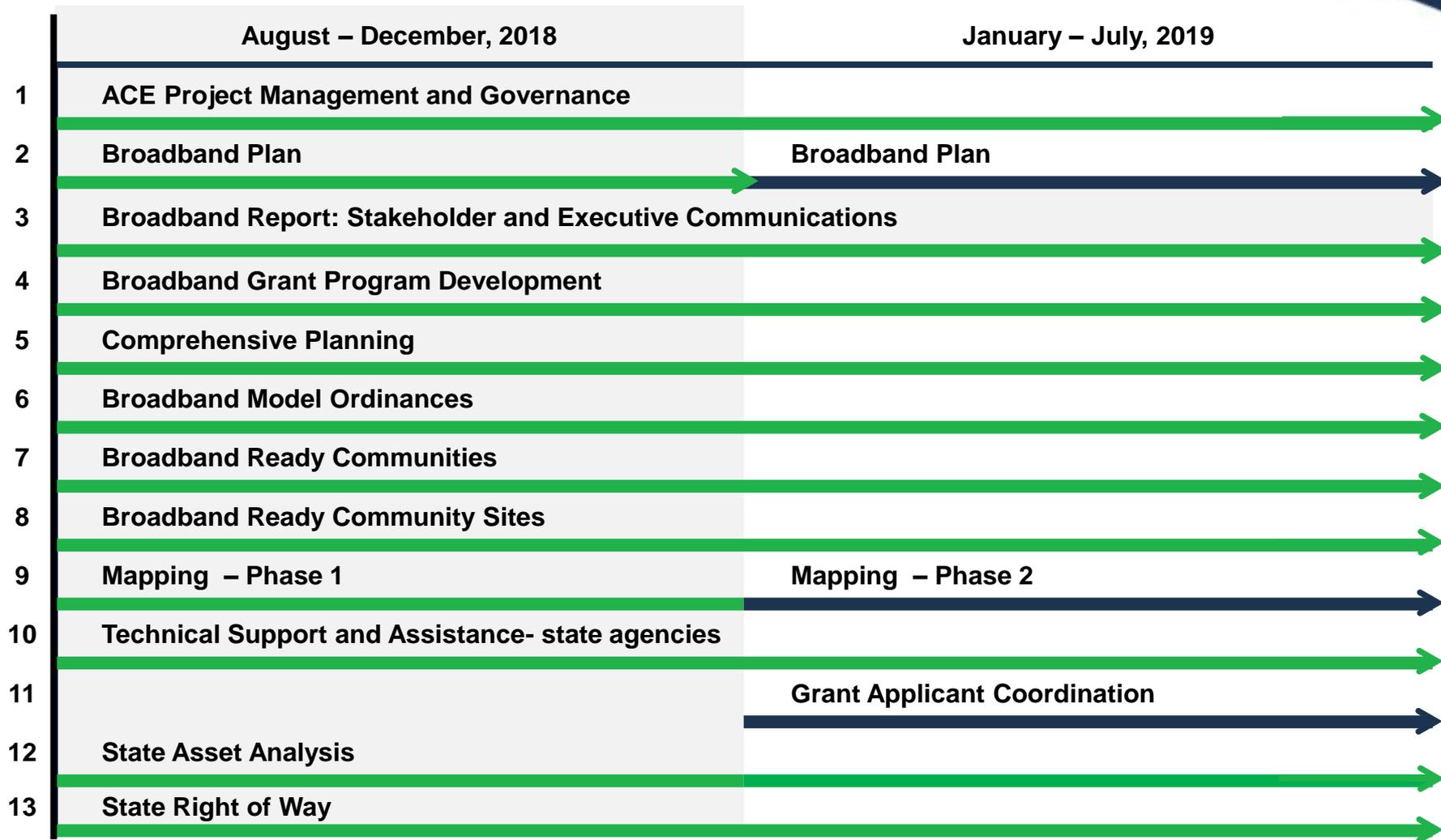


**CVIOG**

## STAKEHOLDERS

Local Government & Service Providers

# Broadband Deployment Initiative: Project Overview

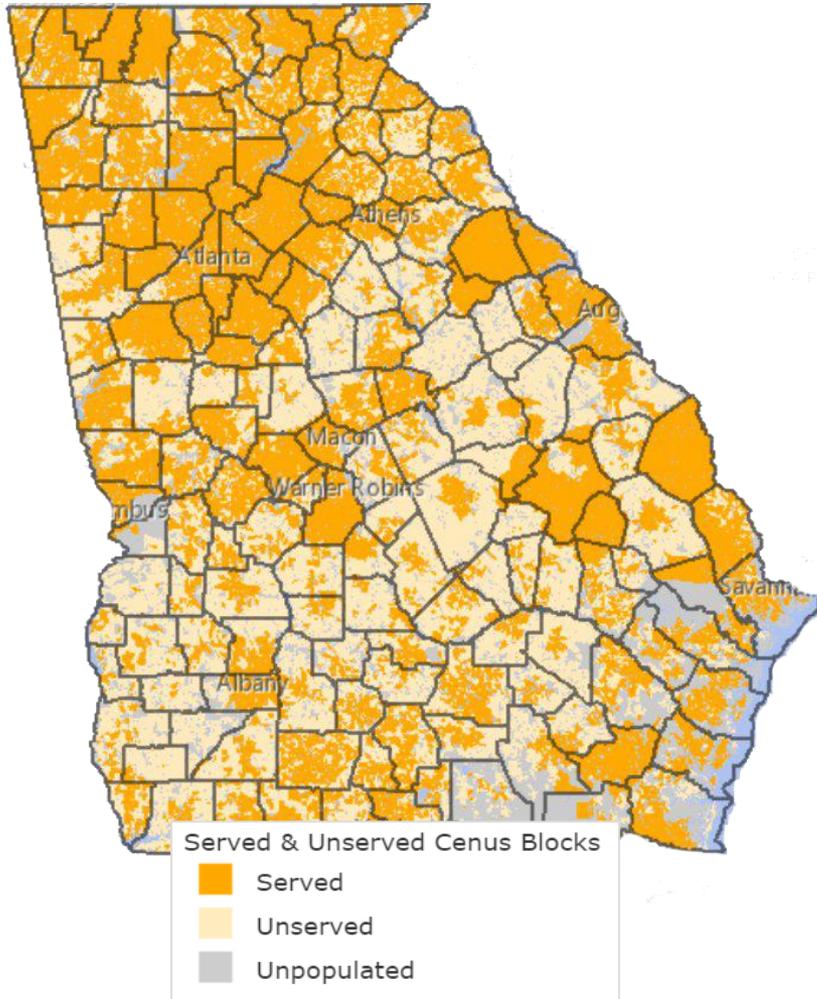


# Key Accomplishments

- **Mapping**
  - Completed FCC analysis; developed January 1 map
  - Developed ACE mapping strategy and plan with 44 providers
  - Piloting ACE mapping Oct-Dec, 2018; 3 counties with 8 providers
- **Formed Advisory Committee**
- **Comprehensive Plan:** rules developed and approved
- **Designations approved**
  - Broadband Ready Communities
  - Broadband Ready Community Sites
- **Model Ordinances**
  - Planning to complete Working Group sessions by end of 2018
  - Input received and incorporated for 7 elements
- **Grant Funding**
  - Working group in process
  - Interacting with other state programs

# Mapping – Solving for Accuracy

## Phase 1 Map: FCC Data



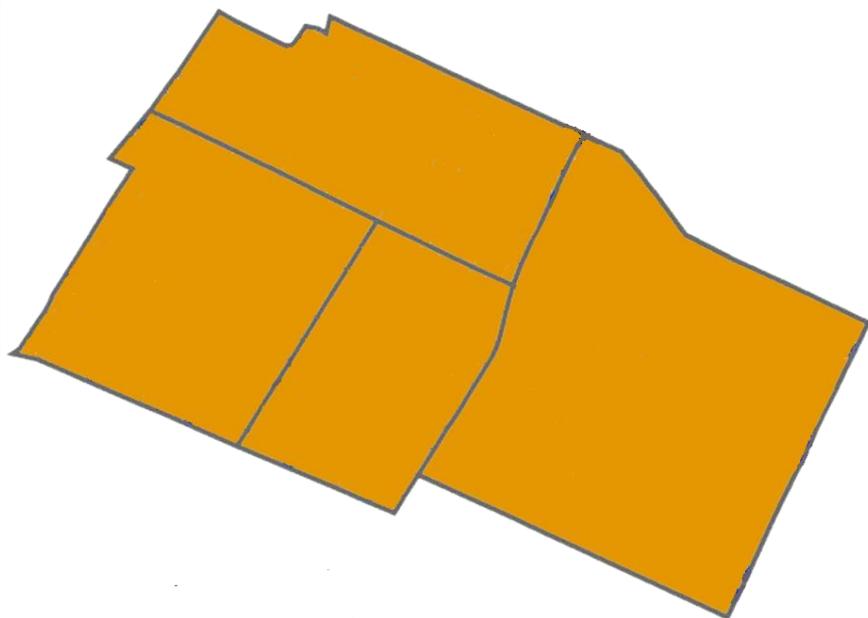
	FCC Data	Locations	Census Blocks
<span style="color: lightorange;">■</span>	Unserved (100%)	396,562	49,886
<span style="color: orange;">■</span>	<b>Served: =&gt; 1 location</b>	<b>3,832,228</b>	<b>159,911</b>

## Phase 2: Enhanced Map at Address Level

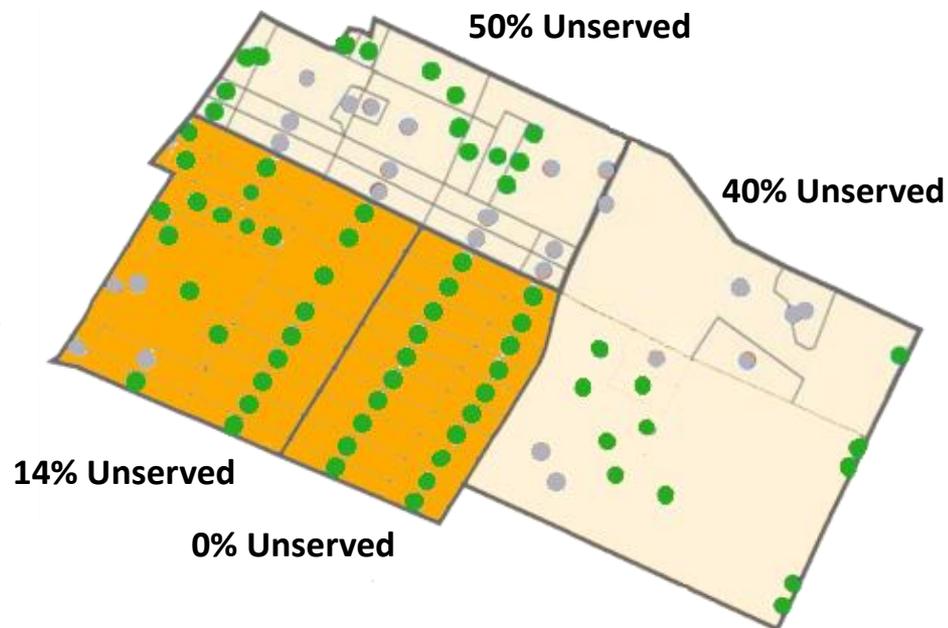
- Identify census blocks with =>20% unserved
- Increases # of unserved census blocks
- Improves accuracy of cost estimates

# Phase 2: ACE Enhance Mapping

Phase 1



Phase 2



-  Census block served
-  Census block unserved

-  Unserved Address
-  Served Address

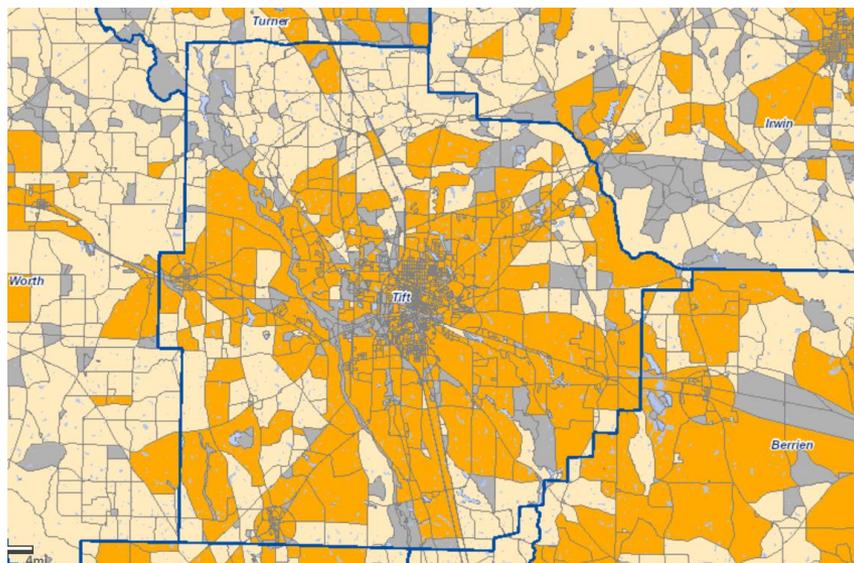
# ACE Phase 2 Mapping

DCA: Identify and designate unserved census blocks in 159 Counties:

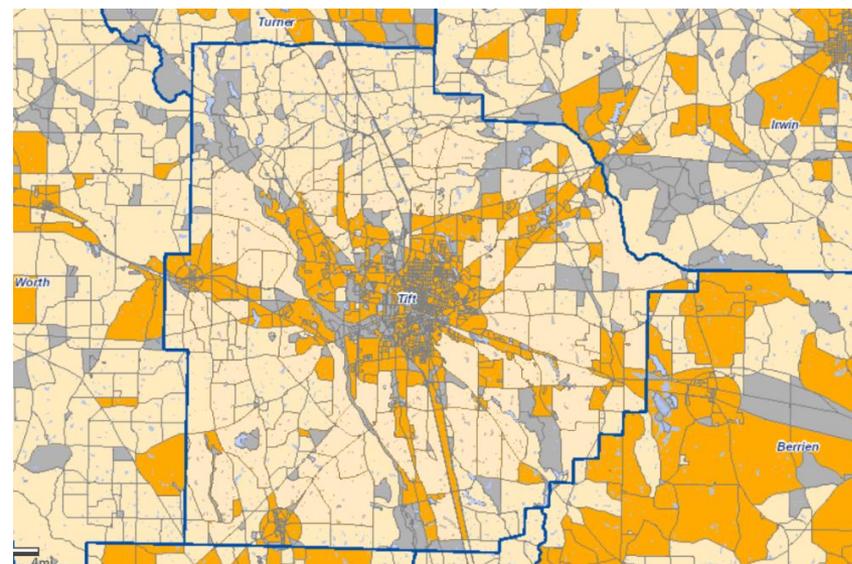
- Develop Master Address File (MAF) by county sent to providers
- Broadband availability from 44 providers by location address

$$\frac{\text{\# unserved locations by census block}}{\text{\# locations by census block}} = \% \text{ unserved}$$

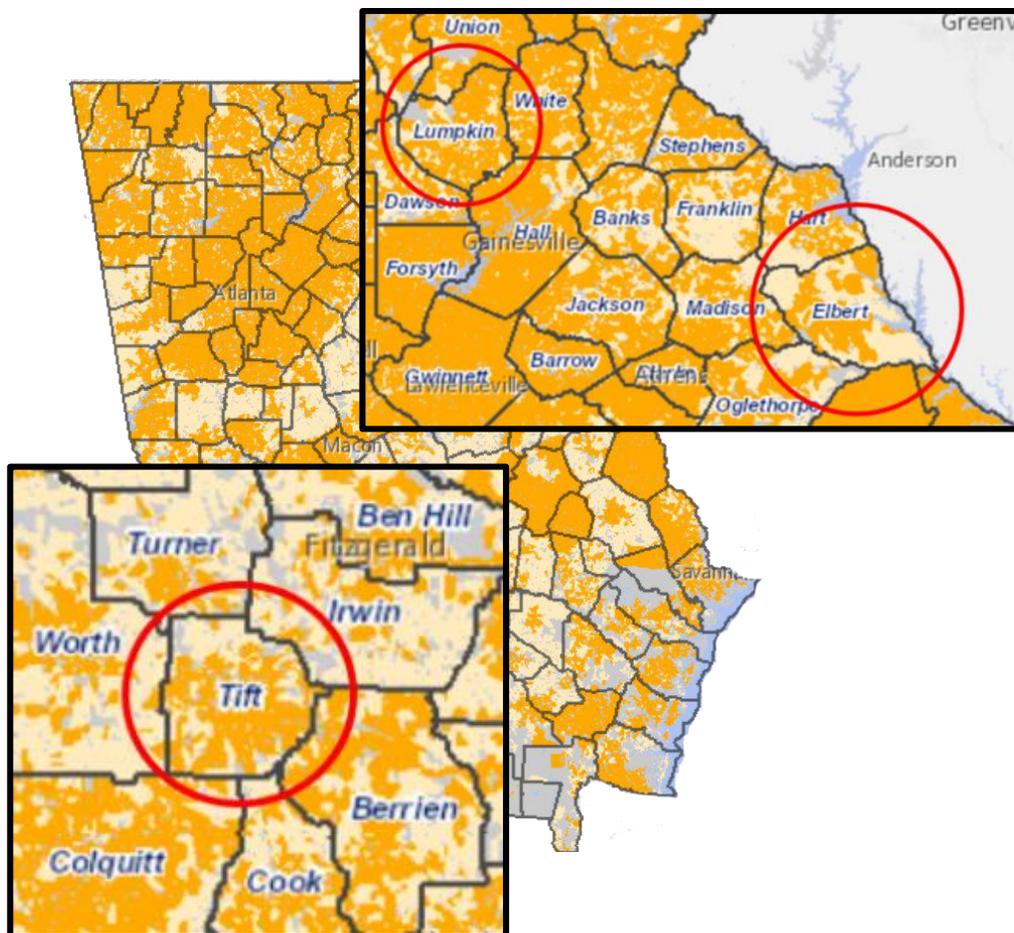

**Phase 1: FCC Results**



**Phase 2: ACE Enhanced Results: (not real data)**



# ACE Phase 2 Mapping Pilot



- Three county pilot
  - Lumpkin, Elbert, Tift
- Provider Participation Response Rate: 100%
  - 8 of 8
- Created Master Address File (MAF) for each county
- Submitted MAF to providers to respond:
  - Served (> 25/3)
  - Unserved (< 25/3)

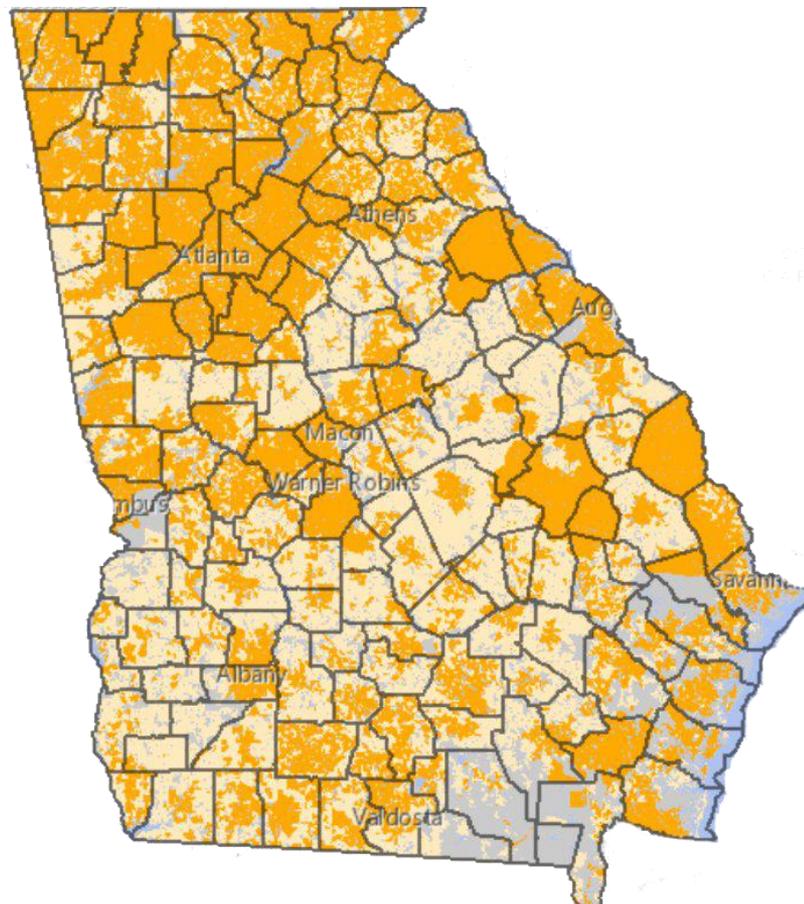
# Broadband Deployment Initiative: Challenges and next steps

## Key Challenges:

- Enhanced map
  - Statewide address database
  - Provider verification... doesn't appear to be an issue of engagement
- Deployment / solutions
  - Cost of capital investment
  - Emerging technologies

## Next Steps:

- Enhanced map
  - Analyze pilot results and debrief with 8 providers to improve process
  - Enhanced mapping for rest of state
- Grant funds
  - Developing state grant program (must navigate Gratuities Clause)
  - Update on USDA grant funds



# Questions



# Georgia Case Studies

1



## **East Central Georgia** – Population of all counties: ~275,000

*(McDuffie, Warren, Hancock, Baldwin, Jones, Wilkinson, Jasper, Columbia)*

- Partnership between a county owned network and a private sector provider
- Focuses on anchor institutions and government

2



## **Haralson** - Population: ~30,000

- Partnership with a wireless provider with ATT providing the fiber connection to the tower
- Residential home project

3



## **Sumter** - Population: ~35,000

- Partnership between a development authority, chamber, private sector, and an EMC
- Serve small businesses

# Tennessee Comparison

- TN performed a 2-year study:
  - Estimated number unserved locations 447,000, w/ pop. of 1.1m
  - Estimated average cost per location of \$2500 to \$3840
  - Estimated capital costs for fiber-to-the-home \$1.12-\$1.72 billion
- Began with \$10MM per year state funding FY 17
- Broadband Accessibility Act: approved funding of \$45 MM for three years (\$15MM per year) starting in FY19