PROJECT UPDATE

Georgia Broadband Deployment Initiative

House Rural Development Council
December 4-5, 2018
DRAFT
Broadband Deployment Initiative: Governance

**ACE EXECUTIVE STEERING COMMITTEE**
- DCA Commissioner Nunn
- GTA Executive Director Rhodes

**EXECUTIVE DIRECTOR BROADBAND**
- PMO

**ACE ADVISORY COMMITTEE**

**PROJECT TEAM**
- DCA
- GTA
- DOT
- SPC
- DEcD
- CVIOG

**STAKEHOLDERS**
Local Government & Service Providers

AT&T
ACCG
GA Cable Assoc
Comcast
GEDA
GA Telecom Assoc
GA EMC
Windstream
# Broadband Deployment Initiative: Project Overview

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<th>August – December, 2018</th>
<th>January – July, 2019</th>
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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
Phase 1 Map: FCC Data

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<tr>
<th>FCC Data</th>
<th>Locations</th>
<th>Census Blocks</th>
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<tr>
<td>Unserved (100%)</td>
<td>396,562</td>
<td>49,886</td>
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<tr>
<td>Served: =&gt; 1 location</td>
<td>3,832,228</td>
<td>159,911</td>
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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

- Census block served
- Census block unserved

Phase 2

- 50% Unserved
- 40% Unserved
- 14% Unserved
- 0% 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