KANSAS BROADBAND MAP & FEDERAL UPDATE

**Kansas Statewide Broadband
Expansion Planning Task Force**
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Federal Update

New Funding for Broadband Buildout

- FCC's Rural Digital Opportunity Fund (RDOF) - $20.4 billion proposed over 10 years
- FCC's 5G Fund for Rural America - $9 billion proposed over 10 years
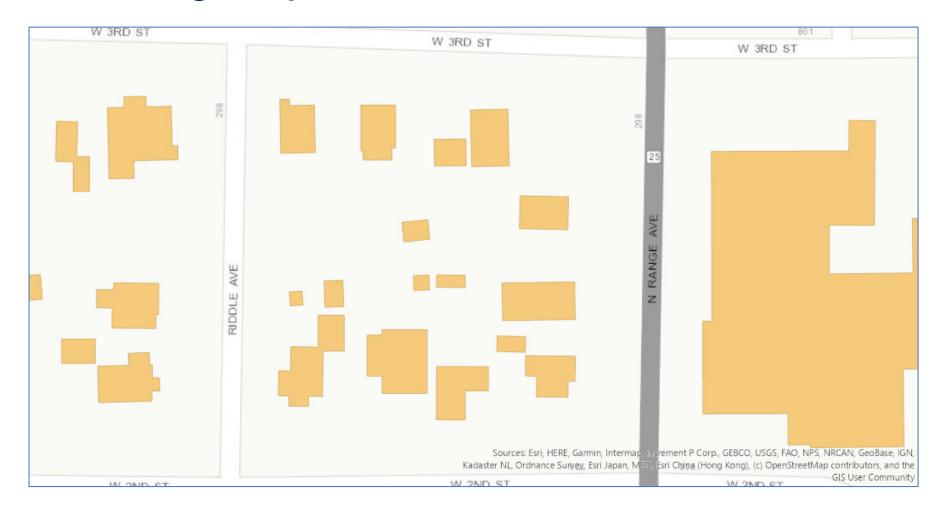- USDA's "ReConnect" Grant Program Round 2 - $550 million

Progress: Better Federal Broadband Mapping

- Legislation in Congress – H.R. 4229 & S.1822
  - More Granular Data, Public Challenge Process, Data Validation & Provider Filing Assistance
- FCC's Digital Opportunity Data Collection (DODC) Report & Order Released August 1
- "Broadband Serviceable Location Fabric"
  - Pinpointing locations that warrant broadband service delivery
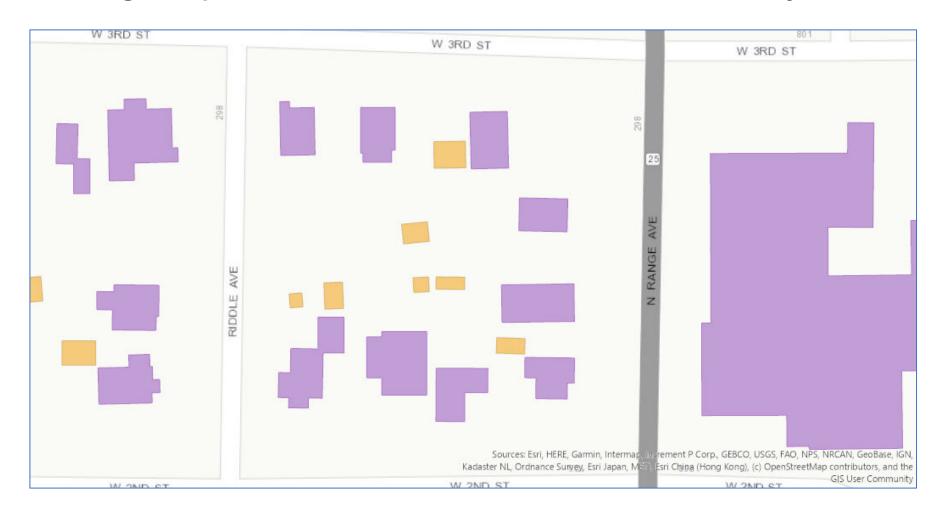- New role for state and tribal governments: validating & challenging the data

All Building Footprints

What is a "Broadband Serviceable Location Fabric?"

Building Footprints that Warrant Broadband Service Delivery

Matching Addresses with On-Point Home Structure Data

State Broadband Mapping Project Overview

- Objective: Produce a more granular and accurate broadband availability map that the FCC's National Broadband Map

- Collect and display granular data on service availability (provider name, provider type, speed, serviceable area)

- All service types (fiber, cable, DSL, fixed wireless, mobile wireless)

- Online searchable GIS map and downloadable PDF maps

- For use by the general public and the Statewide Broadband Expansion Planning Task Force (created by HB 2701)

- Feedback-driven in-field validation of infrastructure April through June 2019

- Initial map delivered on December 31, 2018; updated and final map delivered on July 31, 2019

NDAs & Data Collection

- Nondisclosure agreements (NDA) available to providers to protect Confidential Information shared with Connected Nation

- Map Development: Broadband Service Areas by Technology and Speeds by Serviceable Area

- Confidential Information: Used to derive service areas **IF** granular service area data is not available

  - Serviceable Locations

  - Infrastructure Routes

  - Equipment Locations (except certain vertical assets)

- Data collection began in August 2018 continued through June 2019

Provider Participation

- **88** broadband providers in Kansas

- **70** submitted granular / location-level data

- **10** refusals to participate; represented on map as Form 477 census block-level data (gray areas)

- **2** submitted location-level data for at least one service type, but we relied on Form 477 data for their other service type(s)

- **6** were non-responsive and have not been reporting to the FCC via Form 477, so there was no data to include

Service Availability
by Population

Participating Providers with Granular Data		
At Least 10 Mbps Download/1 Mbps Upload		
# Unserved	# Served	% Availability
253,515	2,599,603	91.11
At Least 25 Mbps Download/3 Mbps Upload		
# Unserved	# Served	% Availability
485,896	2,367,222	82.97
At Least 50 Mbps Download/5 Mbps Upload		
# Unserved	# Served	% Availability
904,664	1,948,454	68.29
At Least 100 Mbps Download/20 Mbps Upload		
# Unserved	# Served	% Availability
1,339,076	1,514,043	53.07
At Least 1 Gbps Download		
# Unserved	# Served	% Availability
1,403,039	1,450,079	50.82
At Least 1 Gbps Download/1 Gbps Upload		
# Unserved	# Served	% Availability
2,635,317	217,801	7.63

Including Non-Participating Providers (Form 477 Data)		
At Least 10 Mbps Download/1 Mbps Upload		
# Unserved	# Served	% Availability
27,410	2,825,708	99.04
At Least 25 Mbps Download/3 Mbps Upload		
# Unserved	# Served	% Availability
95,569	2,757,549	96.65
At Least 50 Mbps Download/5 Mbps Upload		
# Unserved	# Served	% Availability
330,328	2,522,790	88.42
At Least 100 Mbps Download/20 Mbps Upload		
# Unserved	# Served	% Availability
561,653	2,291,465	80.31
At Least 1 Gbps Download		
# Unserved	# Served	% Availability
785,371	2,067,747	72.47
At Least 1 Gbps Download/1 Gbps Upload		
# Unserved	# Served	% Availability
2,011,192	841,926	29.51

Interactive Map

https://connectednation.org/kansas/interactivemap

Color Key for Service Availability Layers:

- **Orange**: Fiber
- **Purple**: DSL
- **Pink**: Cable
- **Green**: Fixed Wireless
- **Blue**: Mobile Wireless
- **Gray**: Form 477 Data for Non-Participating Providers

QUESTIONS?

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