



Office of Broadband Access and Expansion

Connect New Mexico Fund

Webinar Series

Topic: New Mexico Broadband Maps Overview

January 11, 2024

1

Data Concepts

- Serviceable vs Eligible Locations
- Service Claims vs Status
- Community Institutions
- NM Best may show your FCC challenges

2

The Web Maps

- Summary Numbers by Scenario
- General Reference
- Grant Application Planning
- Grant Area Challenges

Data Formats

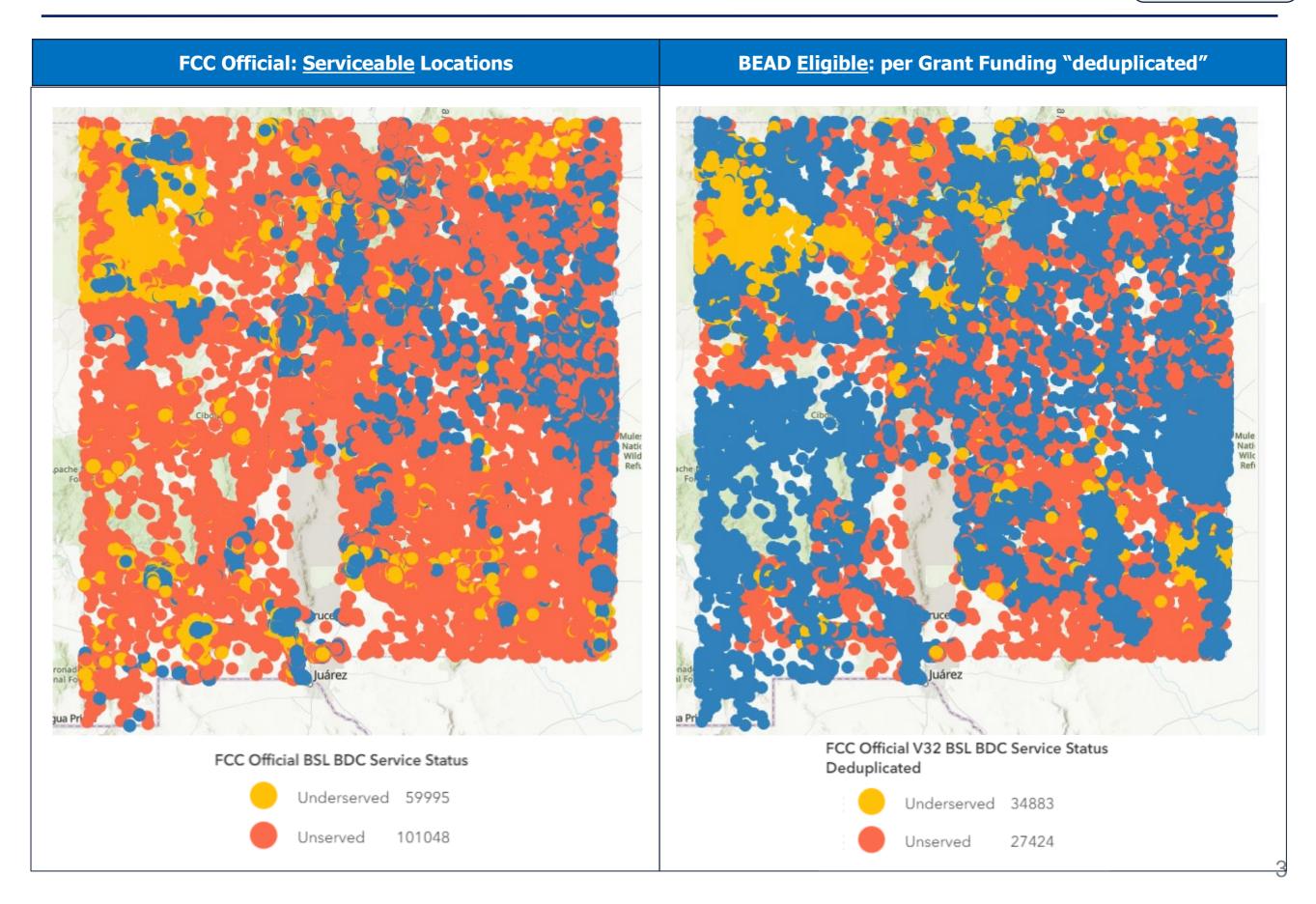
- file geodatabase or shapefile or KMZ/KML
- CSV or XLSX

3

4

Locations in Your PPA

- CostQuest License
- Access NM911 address list for your PPA



FCC BDC: Many Provider Claims at each Location

1280 MORRIS RD SE LOS LUNAS, NM 87031

Status: Not Served | Residential | Unit Count: 1

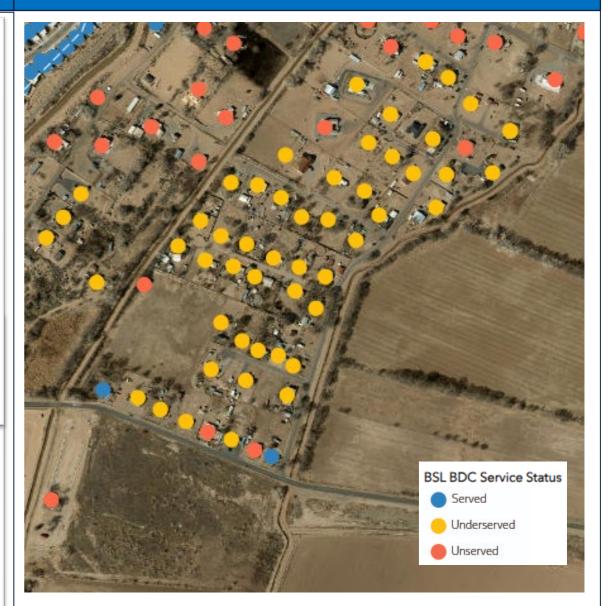


Availability Challenge

No location data.			
Broadband Availability		Av	ailability
Provider	Technology	Down (Mbps)	Up (Mbps)
 Hughes Network Systems, LLC 	GSO Satellite	25	3
Lumen Technologies, Inc.	Copper	100	10
PCC Holdings, Inc.	Unlicensed Fixed Wireless	0.2	0.2
 Space Exploration Technologies Corp. 	NGSO Satellite	220	25
Broadband Availability		Av	ailability
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 Verizon Communications Inc. 	Licensed Fixed Wireless	300	20

Service Status: Ranked on Best Available



Many claims but one status per location.

Provider Claims, relative to Status

BSL BDC Service Status
Served
Underserved

Unserved

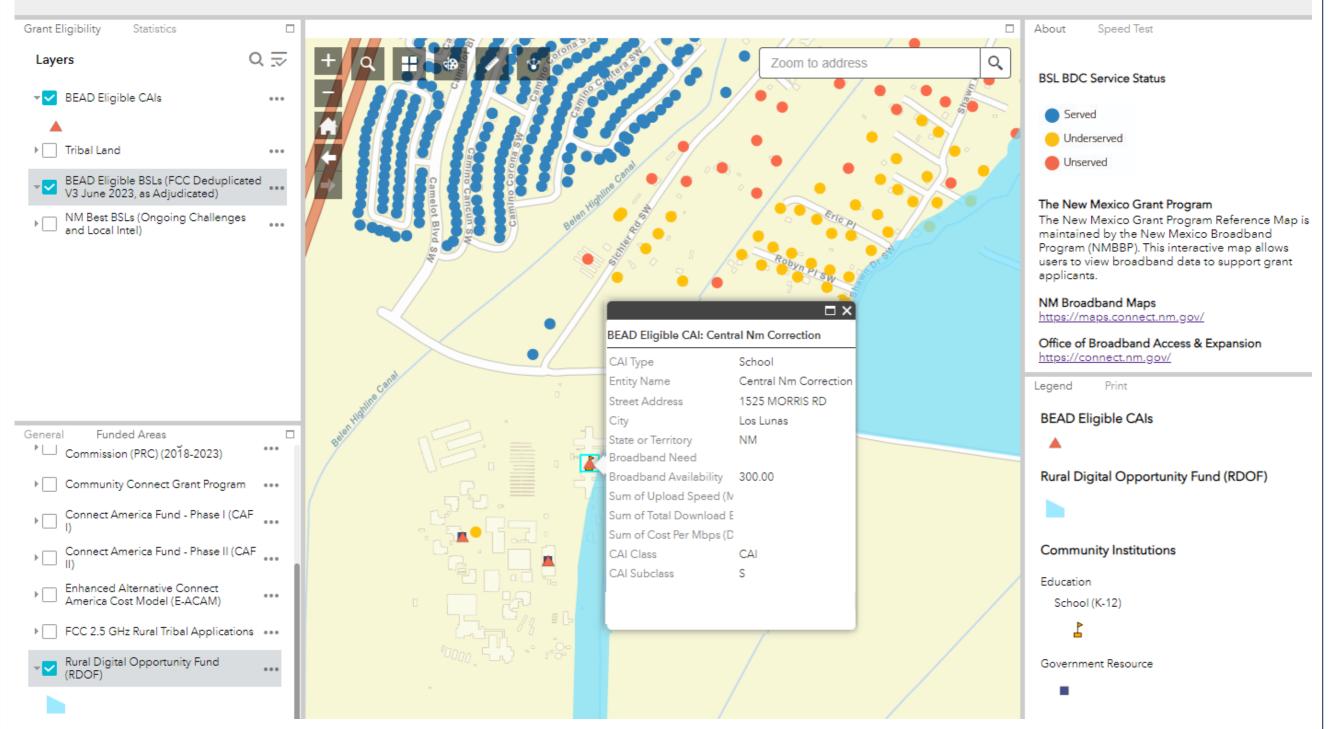


Community Institutions

All Community Institutions, and BEAD Eligible: Target 1Gbps symmetrical

New Mexico Broadband Grant Program Map

Last edited December 2023. For questions or feedback, contact us.



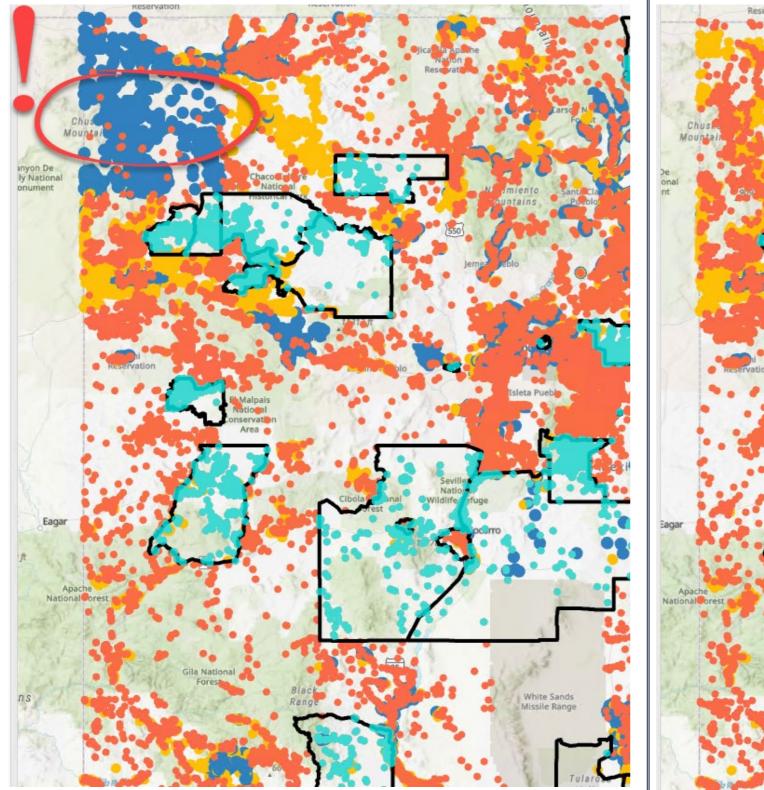
"NM Best" for context

BSL BDC Service Status

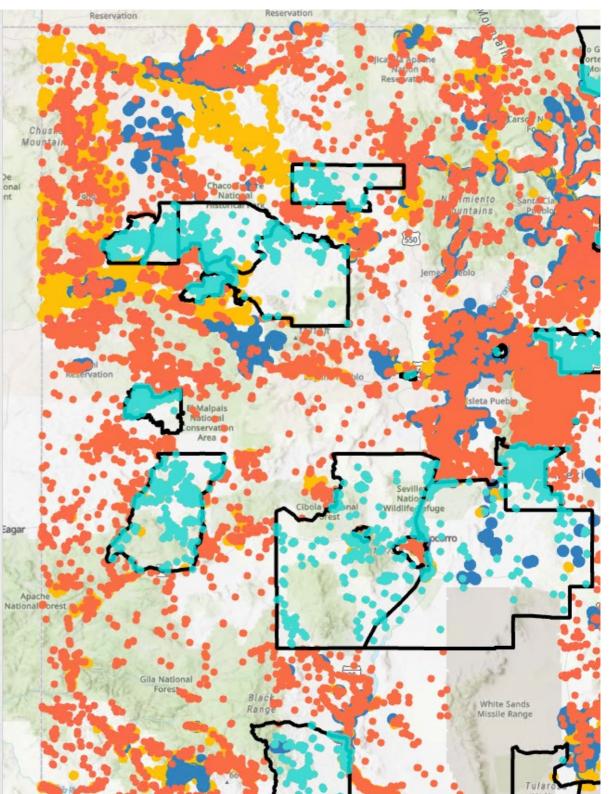
Served
Underserved
Unserved

Data Concepts

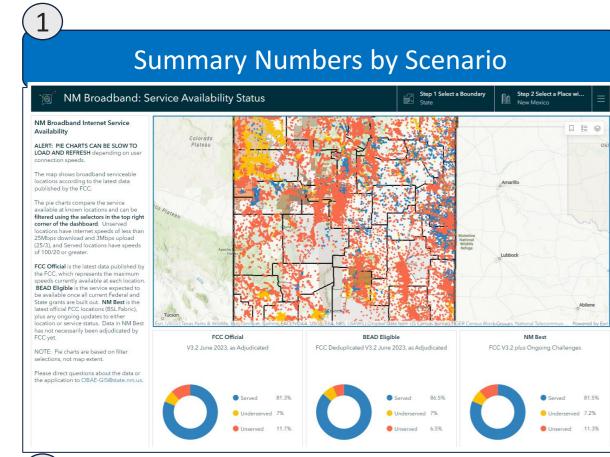
FCC Official & Deduplicated



NM Best for months until new FCC

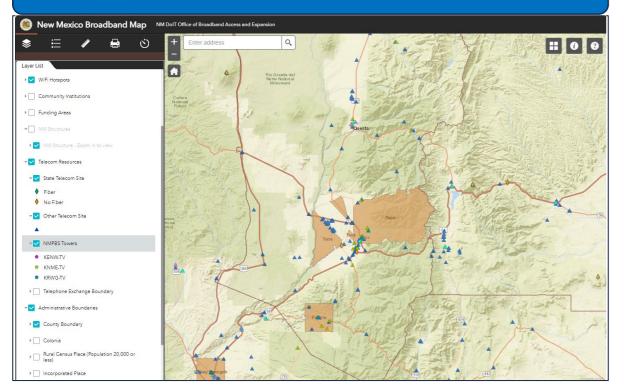


https://maps.connect.nm.gov



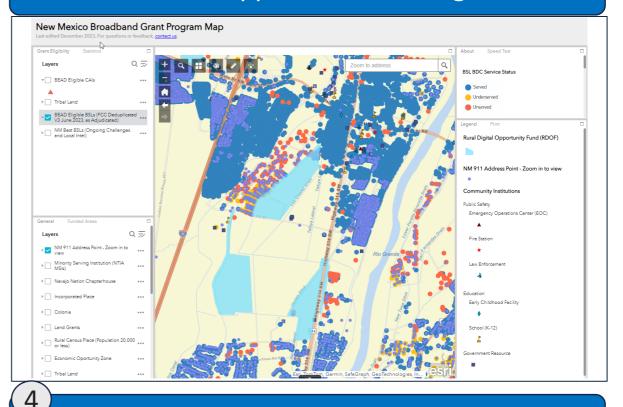
3

General Reference

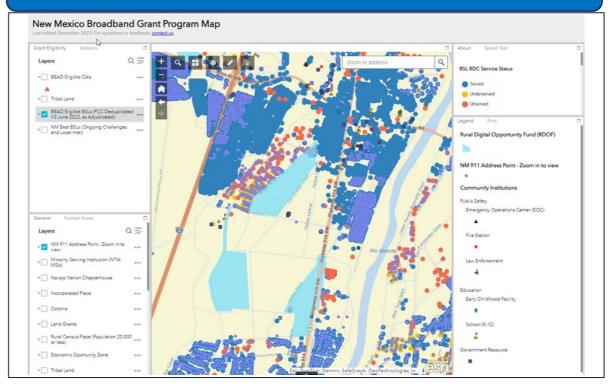


Grant Application Planning

2



Grant Area Challenges

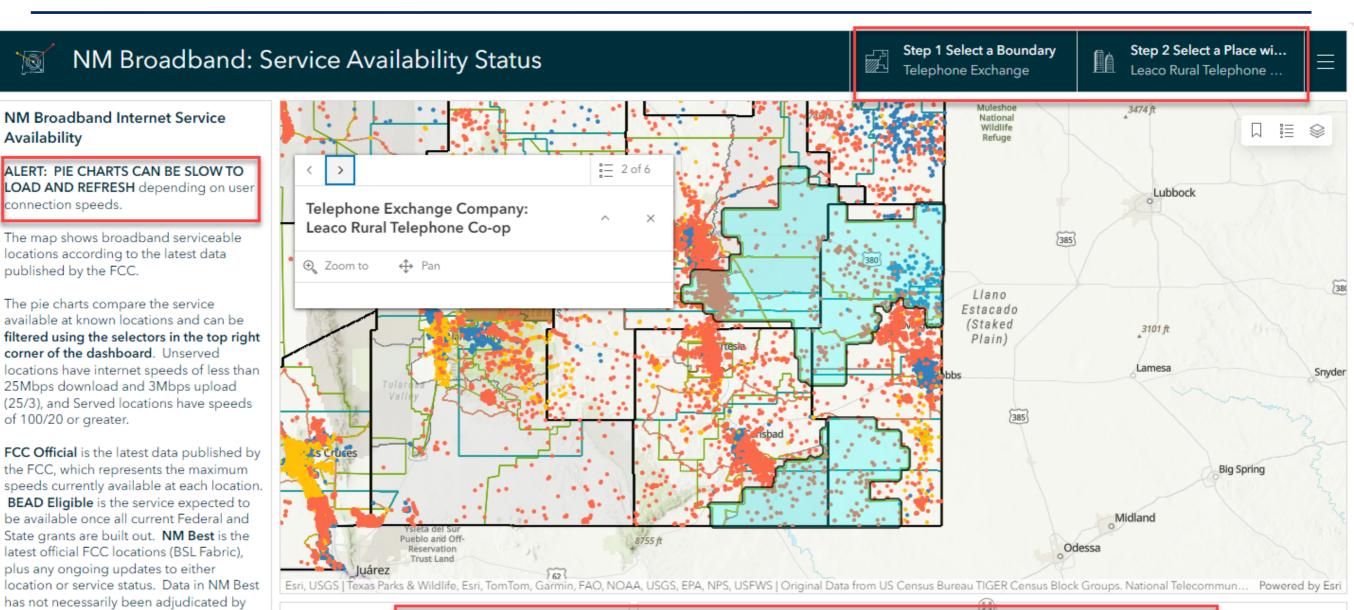


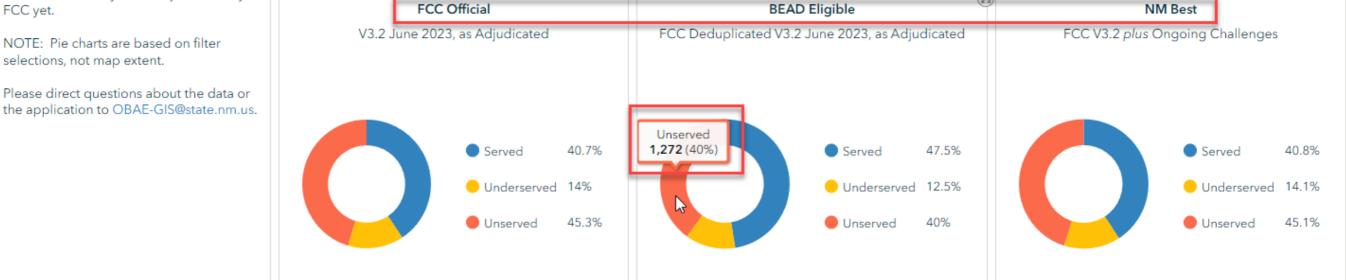
FCC yet.

NOTE: Pie charts are based on filter

Please direct questions about the data or

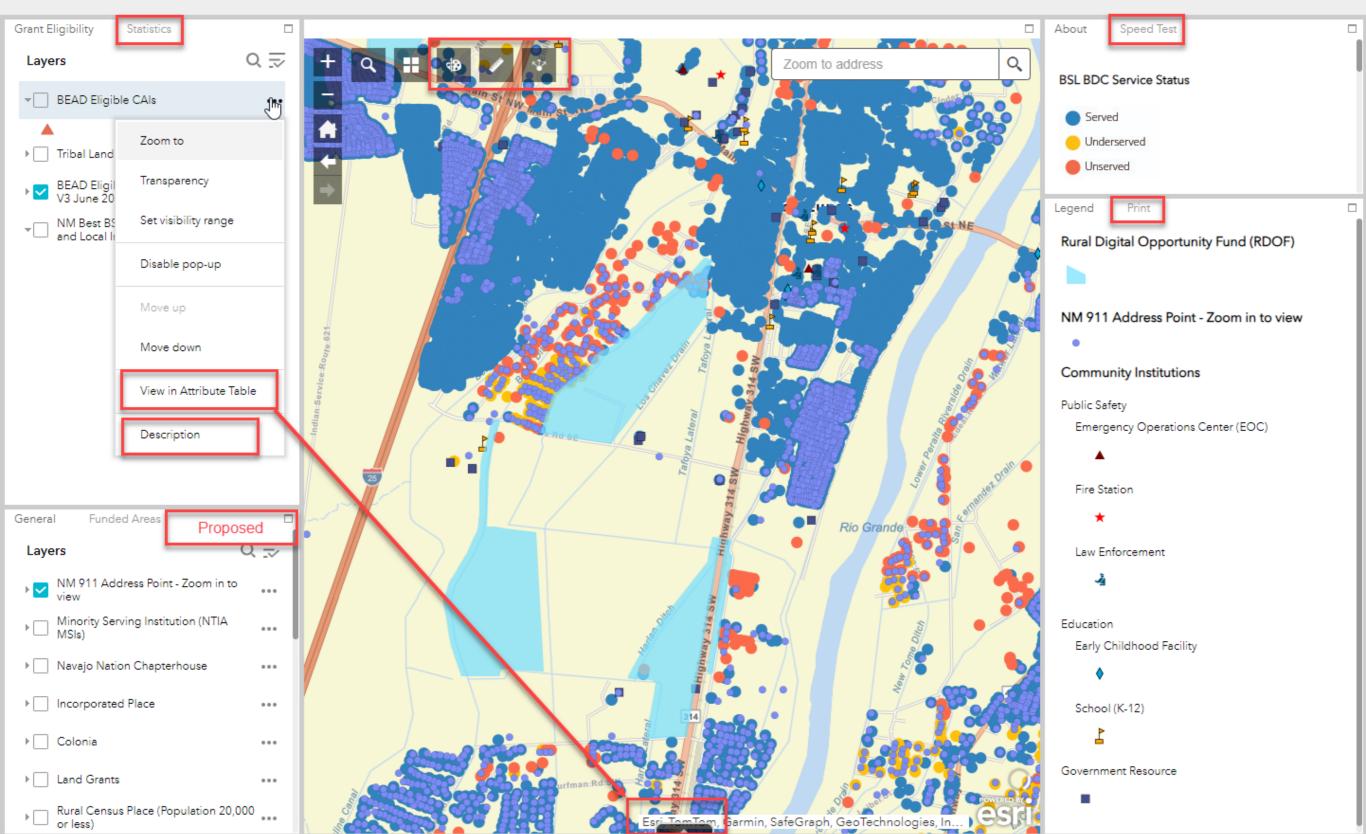
selections, not map extent.



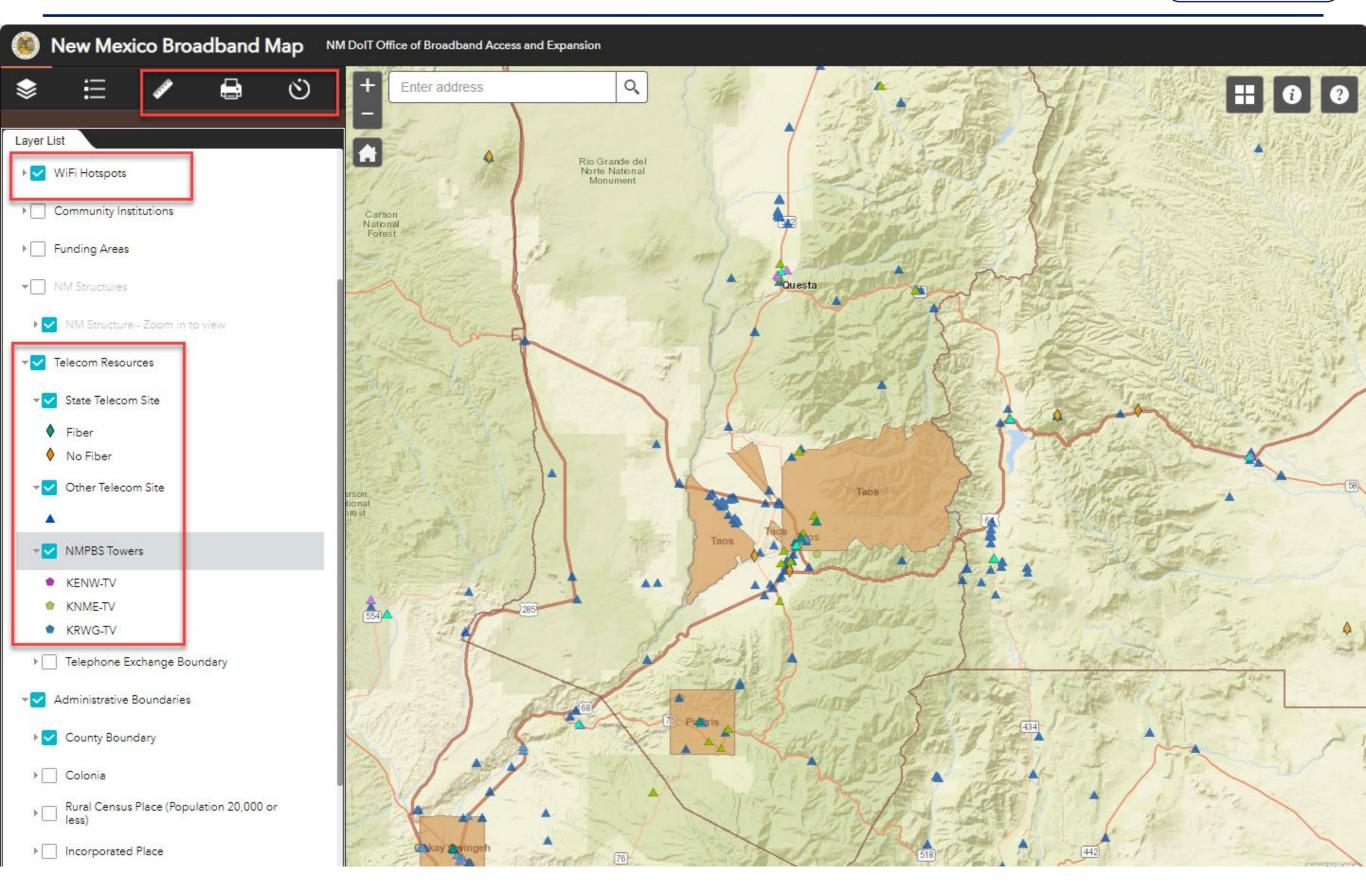


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General Reference



Proposed Project Area Boundary	 Polygon (endpoints meet) file geodatabase or shapefile or KMZ/KML Data Fields/Attributes FamiliarName 	
	 Points or lines for features like towers or fiber routes 	
Proposed Key	 file geodatabase or shapefile or KMZ/KML 	
Infrastructure	Data Fields/Attributes	
	 FamiliarName FeatureType 	
	Points	
	 file geodatabase or shapefile or KMZ/KML or CSV or XLSX 	
Locations to be Served	 Data Fields/Attributes (if mixed) 1. TechnologyType = fiber/FTTP, fixed wireless 2. Upload (Mbps) = (number) 3. Download (Mbps) = (number) 	

Tier 3

Tier 4

Rights to create challenge data.

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US Government Entities

Other Parties

You must have a fully-executed CostQuest License to access any OBAE value-added BSL map layers. Which license can you get? FCC Broadband Data Collection (BDC) = https://www.costquest.com/broadband-serviceablelocation-fabric/ HOW? https://help.bdc.fcc.gov/hc/en-us/articles/5377509232283-How-Broadband-Service-**Providers-Can-Access-the-Location-Fabric** Developed for submitting Fabric corrections as well as submitting broadband availability and availability challenges through the FCC Broadband Data Collection Requires an FCC Registration Number (FRN): https://www.fcc.gov/wireless/support/knowledgebase/universal-licensing-system-uls-resources/getting-fcc-registration License **License Description** Licensee Tier Rights to use in BDC, the National Broadband Map, and the National Broadband Funding Map. FCC Tier 1 Rights to create BDC filing data, create challenge data, and share with other licensees. Tier 2 ISPs, State, Local, and Tribal Government Entities Tier 2 rights + ability to create consumer-facing Broadband coverage maps, create derivative reports, **Designated Entities** Tier 2a and collect coverage information from other Tier 2 entities.

 Tier 4R
 Rights to use the Fabric data for Research efforts.
 Research

 ^ Connect NM Fund is a state-based grant program, and thus is not an authorized use of the FCC BDC or NTIA

CostQuest licenses. NM OBAE is inquiring about authorization for this supplemental use type.

Rights to publish summary results of coverage, create an online map, and create challenges.

You must have a fully-executed CostQuest License to access any OBAE value-added BSL map layers.

Which license can you get?

- > NTIA Fabric License <u>= https://www.costquest.com/ntia-broadband-serviceable-location-fabric-faq/</u>
- HOW? https://broadbandusa.ntia.doc.gov/policies/CostQuest-Licensing
- Developed to support the BEAD program and other federal broadband programs available today or in the future and facilitate compliance with reporting obligations associated with such programs
- Once you have received a Tier D license that covers the counties of your award, you can exchange the location_id(s) and broadband availability information corresponding to the reporting requirement.

License Tier	Licensee	Description	Availability
Tier A	NTIA	NTIA, its agents, and any NTIA-established entities	Complete
Tier B	Federal Broadband Granting Agencies	Includes any federal agency that administers a federal financial assistance program that supports or promotes broadband deployment, use, or adoption	Available on request through NTIA
Tier C	Pass Through Entities	Includes Broadband Grant Program recipients that are a State, local government, Tribal Entity, Institution of Higher Education, or nonprofit organization	Available on reques through NTIA
Tier D	Prospective and awarded Recipients and Subrecipients	Entities that participate in Federal Broadband Programs	Available
Tier E	Licensee-Pass Through Entity Challengers	Entities that will challenge Pass Through Entity coverage maps.	Available through States

[^] Connect NM Fund is a state-based grant program, and thus is not an authorized use of the FCC BDC or NTIA ¹⁴ CostQuest licenses. NM OBAE is inquiring about authorization for this supplemental use type. Submitting your own address data in tabular form is allowable. If you DO NOT have points/addresses:

Validate your addresses with NM911 structures from RGIS					
Data Clearinghouse = <u>https://rgis.unm.edu/rgis6/dataset.html?uuid=1655f414-2649-48a6-82d7-</u>					
Ocaded9f0ae8	New Mexico Address Points - Decemb	per 2023			
HOW? Download preferred format,	Abstract New Mexico Address Point data are an aggregated resource for address points across the state. These data are contributed by local governments for NM911 Program purposes.				
summarize points within your PPA					
	Downloads	Services			
	zip gml kml geojson json csv xls	wms wfs			

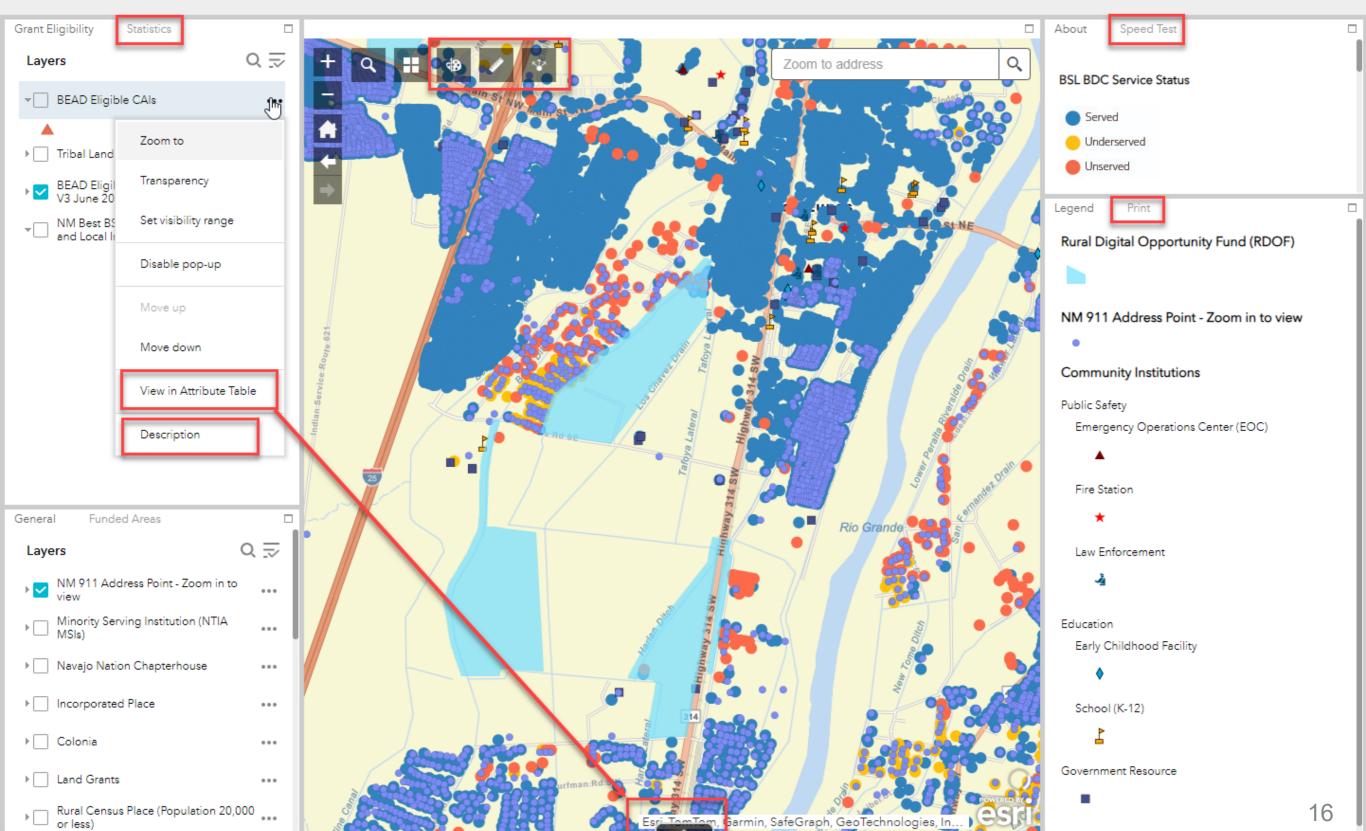
• Developed to dispatch first responders to incidents, these points don't necessarily fall on the structure, but can be a good surrogate to create a count of serviceable locations.

Submit PPA and OBAE will calculate the location counts

- > E-mail request = <u>OBAE-GIS@state.nm.us</u> (as linked in all map apps)
- > HOW? Submit your table of addresses and your PPA polygon
- Earth Data Analysis Center has an address geocoding service that uses both commercial and local data sources.
- Ensure that polygons close and your address data are clean.

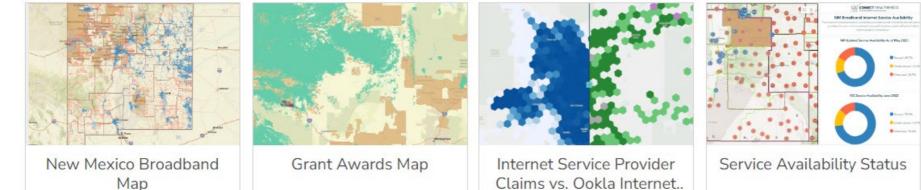
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Closing Remarks





- Apply for CostQuest license if appropriate & eligible = Tier D
- Submit your ideas for map/tool improvements
- Use the NOFO for detailed guidance.
- Submit map questions to <u>obae-gis@state.nm.us</u>, and grant questions to <u>broadband@connect.nm.gov</u>
- Attend the webinars
 - Scoring Guide Overview: January 12, 2024 (2:00 pm MT)
 - Application Overview: January 16, 2024 (2:00 pm MT)