

Broadband to Rural New Mexico

3-year Timeline for Border-to-Border Coverage

NM Rural Broadband Challenges

- 66.5% of homes with Broadband connection of 25 Mbps or over
- 49th ranking in the U.S.
- Over 340,000 New Mexican homes do not have access to 25Mbps over a landline connection.

Fixed Broadband Access at 25 Mbps

- 66.5% of NM homes
 - Broadband gap = 33.5% of homes
 - Approx. 340,000 homes
- 49th ranking in the U.S.
- Gap is wider on Tribal lands

- Coverage by Sample NM Counties

• Catron	14.6%
• Chaves	86.0%
• Colfax	10.2%
• Eddy	89.8%
• Grant	83.6%
• Guadalupe	64.7%
• Harding	49.5%
• Hidalgo	2.1%
• McKinley	39.6%
• Mora	32.1%
• San Miguel	58.5%
• Socorro	5.7%

Broadband Lacking in Most Tribal Areas

- Over 40% of Navajo Homes have no broadband access
- Of those with access, approx. 80% have less than 10 Mbps download
- In many Tribal areas, 100% have less than 10 Mbps download

New Mexico Must Set Short Term Goals

- COVID-19 pandemic has exposed our vulnerabilities
- *Crescit Eundo* does not work for emergency preparedness
- 100% Broadband coverage by 2023 should be our policy objective

Broadband delivery systems

- Media

- Copper, fiber, or coaxial cable to the home

- Mobile wireless

- Fixed wireless

- Satellite

- Predominant Providers

- Local telcos
- Cable TV/bbnd
- Electric Coops

- Nat'l mobile carriers & resellers
- Regional providers

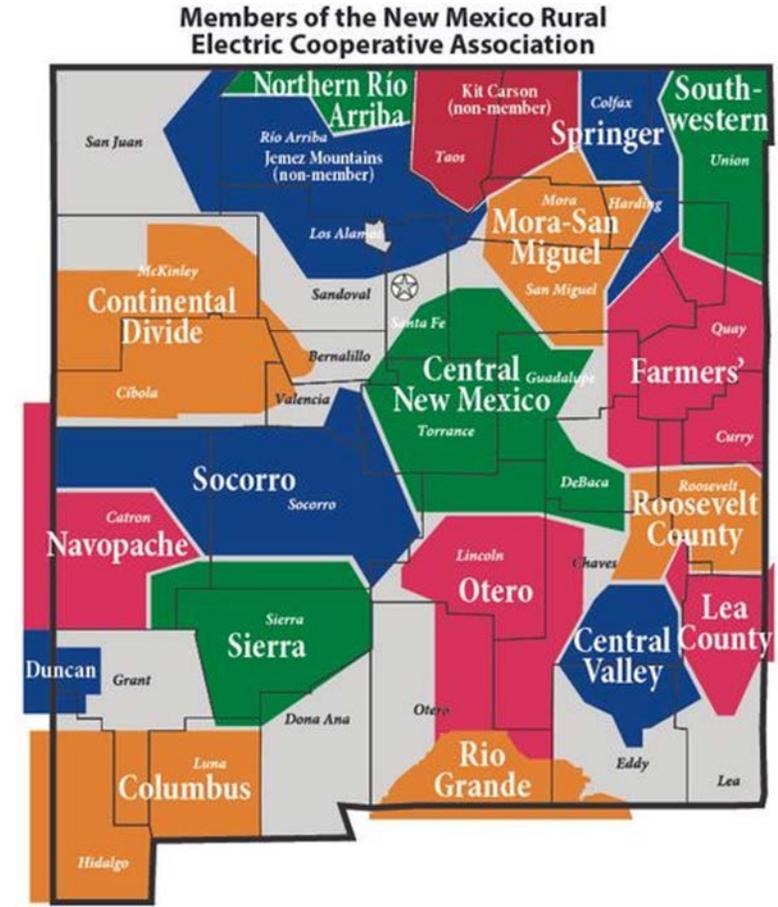
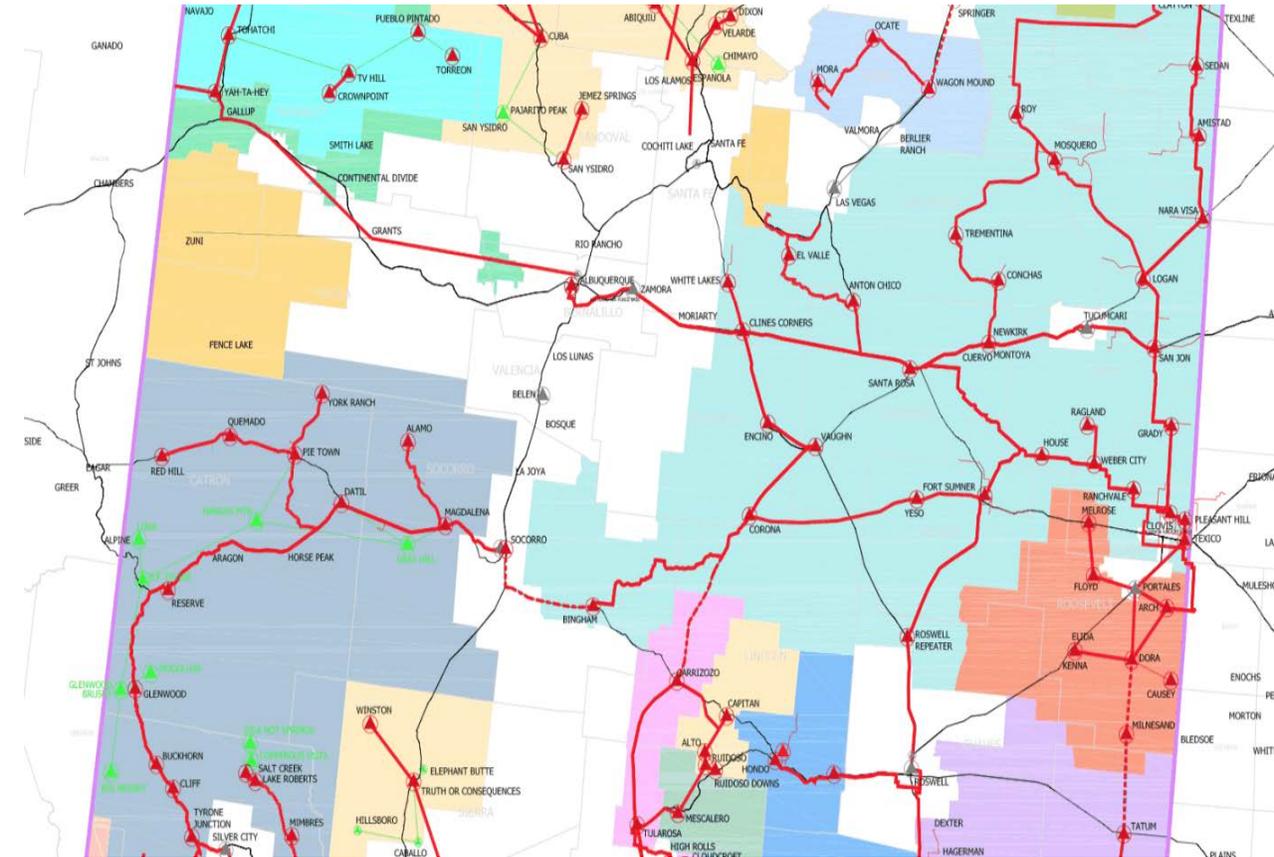
- Sacred Wind Comm.
- Mescalero Apache Telecom
- Laguna Utility Authority

- Viasat, et al

We Need to Do This Ourselves

- 12 NM Rural Local Telcos

- 14 NM Rural Electric Coops



We Need to Do This Ourselves!

- Broadband collaboration for Tribal Self Determination



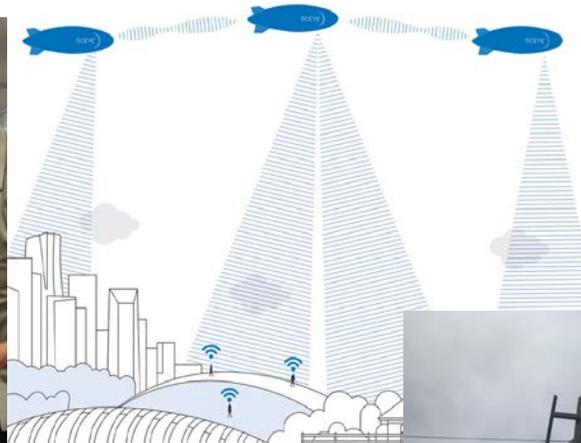
- Public-Private Partnerships
 - Legislate/incentivize a Model
 - Every rural local government has skin in the game

We Need to Do This Ourselves!

Local Breakthroughs

Economically Viable & Expeditiously Delivered to Rural New Mexico

- 5G alternatives
- “Middle Mile” Alternatives
- Last Mile Supplements

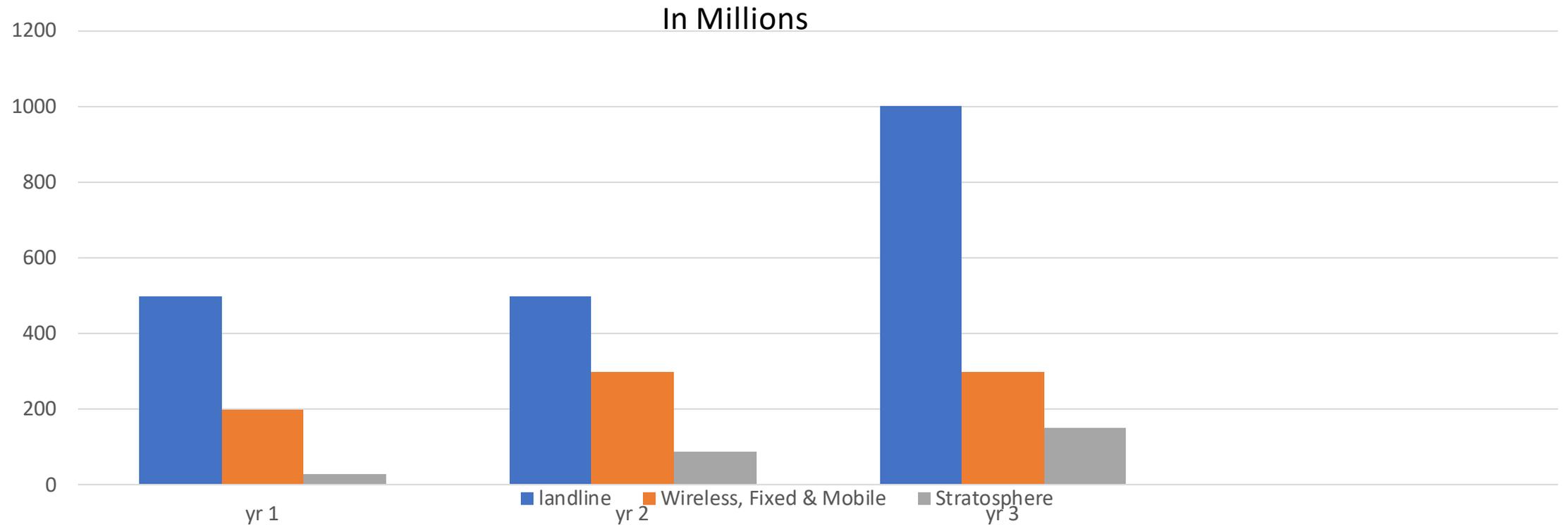


Broadband Internal & External Resources

- NM DoIT grants
- NM PRC USF support & grants
- Legislative capital outlay
- NM Investment funds
- USDA Broadband grants & loans
- FCC one-time grants
- FCC USF programs and auctions
 - 2.5 Ghz TRIBAL PREFERENCE
 - 2.5 Ghz Auction forthcoming
- EDD grants

Estimated Cost of Covering all Rural NM

Est. Cost Broadband Expansion to 100% Rural NM



We Must Do This Ourselves!

- Establish a single plan with milestones
- Engage:
 - all rural telcos, electric coops, and other ISPs
 - all Tribes
 - all rural towns and counties
- Identify all regulatory impediments and remove them
- Capitalize on all federal programs and resources
- Create supplemental funding for partnerships, matching grants, and trials