

NEW MEXICO BROADBAND PROGRAM

New Mexico TeleHealth Alliance

6 October 2021

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NM DEPARTMENT OF
INFORMATION
TECHNOLOGY



Recent NM Broadband Legislation



HOUSE BILL 10: Connect New Mexico Act (Laws 2021, Ch. 120)

- Creates the Connect New Mexico Council
- Develop a Digital Equity Analysis and Plan inclusive of local/state/tribal entities
- Creates the Connect New Mexico Fund (appropriations, gifts, grants, donations)
- Raises the level of disbursement for broadband from the PRC Rural Universal Services Fund

SENATE BILL 93: Broadband Access and Expansion Act (Laws 2021, Chapter 123)

- Creates the *Office of Broadband Access and Expansion*
- Office managed by a director appointed by the Governor
- Duties include
 - Establish standards for quality of service for homes, businesses, public institutions
 - Maintain the online NM Broadband Map
 - Create and maintain a repository for broadband data/information
 - Develop a three-year statewide broadband plan
 - State agencies and public education required to coordinate with the Office
 - May form a Broadband Advisory Committee

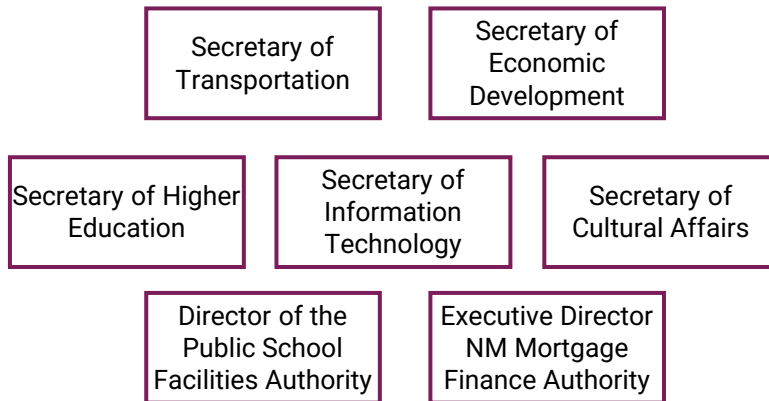
HB10: <https://nmlegis.gov/Sessions/21%20Regular/final/HB0010.pdf>

SB93: <https://nmlegis.gov/Sessions/21%20Regular/final/SB0093.pdf>

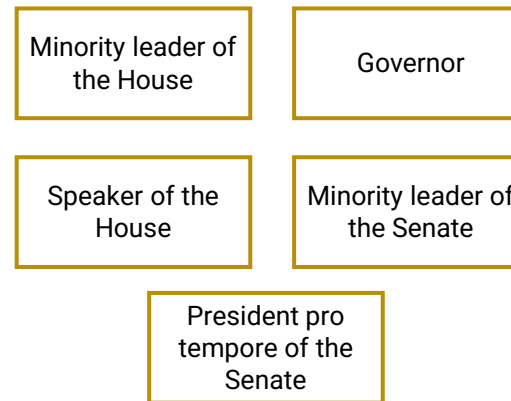
Connect New Mexico Council

The *Connect New Mexico Council* will collaborate with the *Office of Broadband Access and Expansion (OBAE)*.
The OBAE is Administratively attached to DoIT, reporting to the Governor's office.

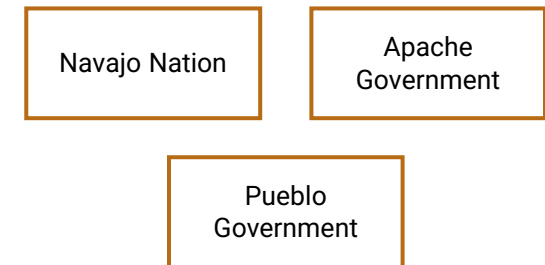
STATE AGENCY MEMBERS



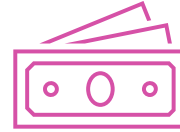
PUBLIC MEMBERS



TRIBAL MEMBERS



Broadband Legislation: Funding



SENATE BILL 377: Section 17: Broadband Appropriations - \$110M (Laws 2021, Ch. 140, Section 17)

- Broadband Appropriations to the Connect New Mexico Fund (FY2021-2026)
 - Plan, design, engineer, construct, and purchase, and equip broadband infrastructure (\$70M)
 - Development of a Broadband Office/Division (\$500K)
 - Broadband Position in the Governor’s Office (\$100K)
 - Grants to local governments, tribes, electric/telephone cooperatives for planning/grant writing support (\$5M)
 - Plan, design, engineer, construct, purchase, and equip broadband infrastructure for public schools (\$25M) from the Public-School Reform Fund
 - Appropriation of \$10M to Economic Development Department to support “Emerging Broadband Technology”

SB377: <https://nmlegis.gov/Sessions/21%20Regular/final/SB0377.pdf>

DoIT NM Broadband Program Projects

New Mexico Technical Assistance Program (NM TAP)

- Provide technical assistance to entities seeking to deploy or expand broadband infrastructure and/or services
- Applications will be based on a Request for Information (RFI)
- Types of Assistance
 - Assess recipient communities' current broadband infrastructure and market
 - Needs Assessment to Evaluate current and future demand for broadband
 - Prepare high-level design and cost estimate for broadband deployment
 - Evaluate funding options and develop strategic approaches to acquire needed fund

Broadband Statewide Price Agreements

- Price Agreements to support Grant Writing, Planning, and Infrastructure
 - Broadband Planning (6 Vendors)
 - Broadband Grant Writing (2 Vendors)
 - Broadband Infrastructure (3 Vendors)



NM TAP: [New Mexico Broadband Program - Technical Assistance Program \(state.nm.us\)](https://www.state.nm.us/doit/broadband-program-technical-assistance-program/)

SWPA: <https://www.generalservices.state.nm.us/state-purchasing/statewide-price-agreements/>

DoIT NM Broadband Program Projects

Broadband Community Surveys

- Contract to conduct Community Surveys
 - Assess BB performance in Dona Ana County
 - Survey Instrument Components
 - » Merge Location with DoIT's Speed Tester
 - » Targets Students, Resident, Seniors, and Businesses
 - Intention is to launch in other communities statewide



DoIT Support to Broadband Projects

- **Federal Support (Majority of Funding)**
 - **\$2.07M, Sierra County:** Connectivity for approximately 744 service recipients (57 miles)
 - **\$1.1M, Jal/Carlsbad:** Carlsbad to Jal with LTE capabilities to serve communities/businesses
 - **\$3.0M, Navajo Nation:** Connecting schools, libraries, head start, and chapter houses (350 miles)
 - **\$300K, Lea and Chaves County:** Connect 170 people, 29 farms, and 5 businesses
- **State Support**
 - **\$2.8M, Cochiti Pueblo:** Fiber to the Home, retrofit/upgrade Main Distribution Facility
 - **\$26K, Town of Edgewood:** Broadband access to the north part of community
 - **\$372K, In Process:** Design, construct, and equip broadband infrastructure in northern New Mexico.

Survey: <https://www.donaanabroadband.com/>

Existing State Funding and Gap

Current broadband budget can fund 17% - 33% of the cost and provide service to approximately 95,000 locations.

NM DoIT Statewide Broadband Strategic Plan and Rural Assessment
July 2020

Deployment Cost Estimate
\$405M to \$780M

Current Budget
\$133.46M

Funding Gap
\$272M to \$647M

- Combination of fiber and fixed wireless technology

- Recent appropriations and previous balance

- Gap Closure will require Federal Funds

Federal Broadband Grant Programs

Currently approximately \$37 Billion

General Use Broadband Funding Programs (\$23 Billion)

- Use: Building of broadband infrastructure
- Source: USDA, US Treasury, FCC, Commerce, and NTIA

Broadband Subsidy Programs (\$14 Billion)

- Use: To subsidize some of the cost of broadband and includes other purposes such as education and health care
- Source: FCC

FEDERAL FUNDING SUPPORT

Emergency Broadband Benefit Program

- Internet Service Provider subscription and device support
 - 54,220 statewide recipients (includes all eligible households – not just students)
 - May result in over \$32.5M in support



Emergency Connect Fund

- Broadband Connectivity and Devices to the Home
 - Total funding requests \$67.5M
 - Student with devices 106K
 - Students with broadband connections 41.2K



E-Rate Libraries

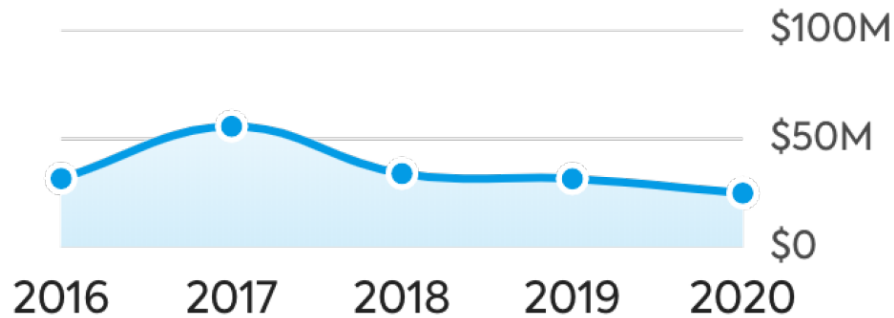
- E-Rate Funding of \$2M leveraged with \$300K of State Funds
 - Over 80 percent of libraries connected to fiber at over 100Mbps or greater
 - Over 80 percent of tribal libraries are connected
 - Three bookmobiles equipped with mobile satellite service
 - E-Rate participation increased 45 percent since 2017 (Consultant/E-Rate Coordinator)

Student Connect: [Homepage - New Mexico Student Connect \(nmstudentconnect.org\)/](#)

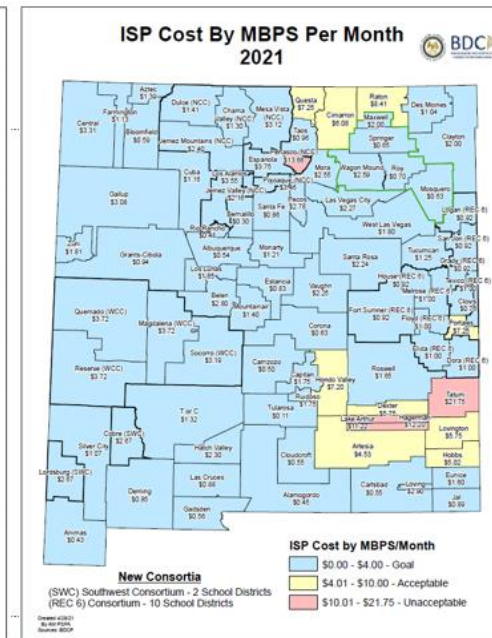
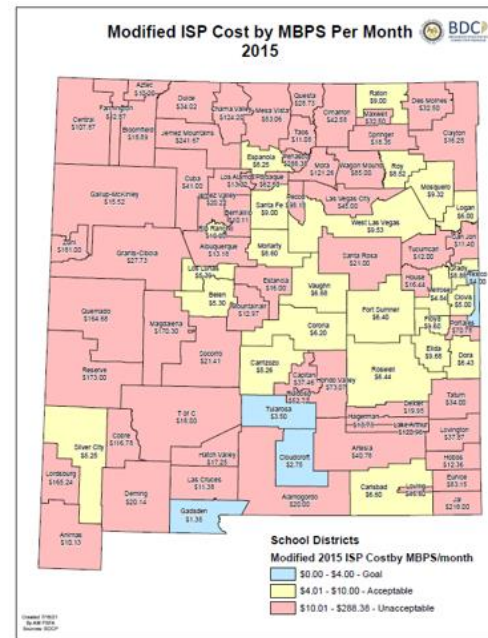
FEDERAL FUNDING SUPPORT

E-Rate Schools: Broadband Deficiency Correction Program

- Collaborative lead by Public Schools Facility Authority
 - Near \$100M of Federal Funds leveraged with approximately \$7M of State Funds
 - Result: Near 100 percent of schools connected to fiber
 - Result: Price reduction of around 80 percent (\$14 to under \$4 Mbps)
 - Result: Increase speeds six times



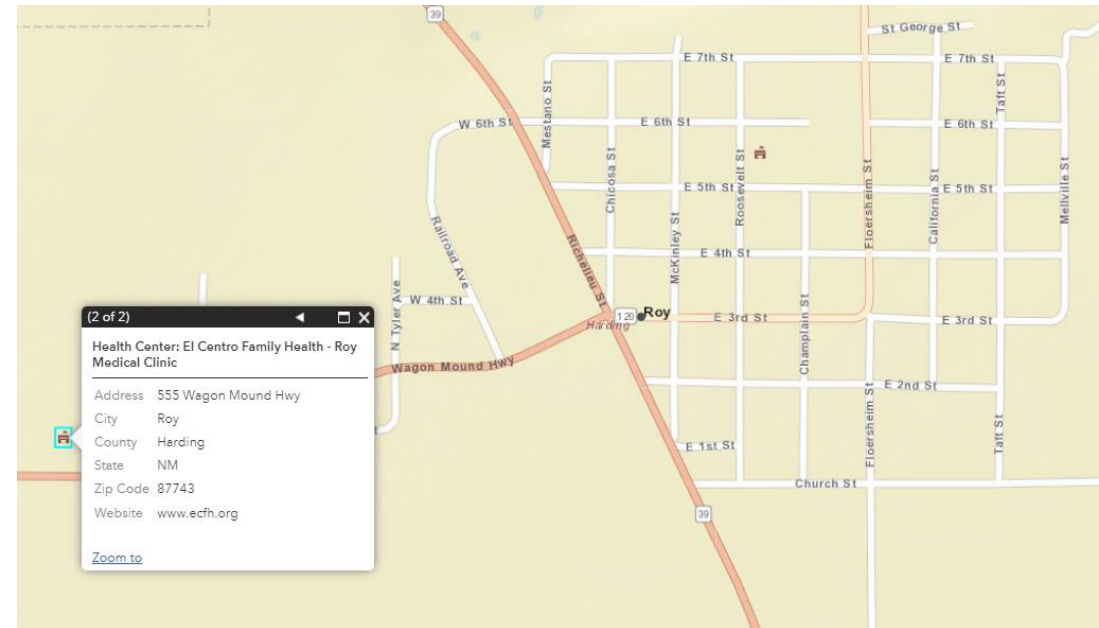
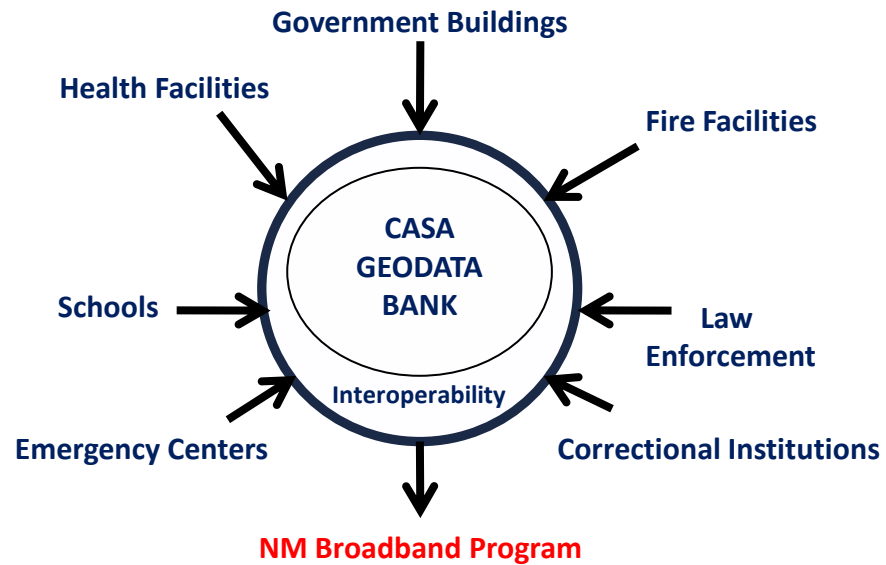
Federal Funding Requests



FEDERAL FUNDING SUPPORT

USAC Health Care Connect Fund (65% Federal/35% New Mexico)

- New Mexico's Important Next Step
 - Coordination between NM Department of Health, NM TeleHealth Alliance, and Office of Broadband
 - Engagement is required with the HealthCare Community and Internet Service Providers
 - Data is being collected and staged with over 345 facilities inventoried



THANK YOU

QUESTIONS?

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