

**Henry P. Roybal**  
Commissioner, District 1

**Anna Hansen**  
Commissioner, District 2

**Robert A. Anaya**  
Commissioner, District 3



**Anna T. Hamilton**  
Commissioner, District 4

**Ed Moreno**  
Commissioner, District 5

**Katherine Miller**  
County Manager

## ***MEMORANDUM***

**Date:** June 26, 2018

**To:** Board of County Commissioners

**From:** Chris Hyer, Economic Development Manager *CH*

**Via:** Penny Ellis-Green, Growth Management Director *PEG*  
Katherine Miller, County Manager

**Item:** Presentation and Report from REDI Net on the Community Network

---

### **SUMMARY:**

The purpose of this presentation is to hear the REDI Net board chair explain the existence of the REDI Net network and how it serves broadband service to the communities of north-central New Mexico. A copy of the presentation slides is included in the packet.

### **BACKGROUND:**

In 2008, a consortium of local governments formed to work on bringing a broadband fiber network to the communities of Northern New Mexico. The consortium consisted of Los Alamos, Rio Arriba and Santa Fe counties, the Pueblos of Pojoaque, Tesuque, Ohkay Owingeh and Santa Clara, the City of Espanola and the North Central COG. The consortium entered into a Joint Powers Agreement (JPA) that allowed a fiber network to be constructed upon all the jurisdiction's land with the purpose of providing a single broadband network.

After the consortium agreed to and signed the JPA, a Broadband Technology Opportunities Program (BTOP) grant was pursued. In August 2010, \$10.6 million was awarded and an additional \$2.9 million was added from the local match. The network started construction in June 2011 with the first customers receiving service in January 2012.

The REDI Net presentation is to inform the BCC more details of this information and present where the REDI Net board believes its mission and goals for the future exist and how REDI Net will work to benefit Santa Fe County.

### **Action Requested:**

This is an informational presentation only. No action is requested.

### **Exhibits:**

Exhibit "A" – REDI Net Presentation to the BCC (Presentation Slides)





- Santa Fe County
- Los Alamos County
- Pueblo of Pojoaque
- Ohkay Owingeh
- City of Espanola
- Santa Clara Pueblo
- Rio Arriba County
- Tesuque Pueblo
- North Central NM Economic Development District



*Santa Fe County*



**LOS ALAMOS**  
where discoveries are made





## WHAT IS A JOINT POWERS AGREEMENT (JPA) REDI NET?

A Joint Powers Agreement (JPA) is a contract between two or more public agencies to exercise, jointly, all power(s) common to each of them, for the purpose of accomplishing specific goals they may have in common.



## WHAT IS A LOCAL QUASI-GOVERNMENT AGENCY?

- An Agency that exists under partial government control to accomplish a certain mission.
- Local Quasi-government agencies are created by government entities, but enjoy operational and political independence.
- Despite their independence, these agencies are subject to the same rules, regulations and laws as any other governmental agency in the State of New Mexico.
- Under the control of the JPA members, but fund ourselves like a private sector business.



## WHY IS THERE A REDI NET?

- Constrained investment in broadband within our communities
- Limited capacity
- Lack of competition
- With every percentage point increase in broadband penetration, employment expands by nearly 300,000 jobs.
- Jobs involved in the building and expansion of broadband networks pay 42 percent more than the average for manufacturing jobs in America.
- From 1998 to 2002, employment in communities with broadband grew 1 percentage point more than in communities without it.
- Broadband networks attract investment to areas that would not otherwise be viable to many businesses such as rural areas and inner-city regions.
- The expansion of energy **efficient** smart grids, which high speed communications are an integral part of, is expected to dramatically improve economic growth and provide thousands of new quality U.S. jobs.

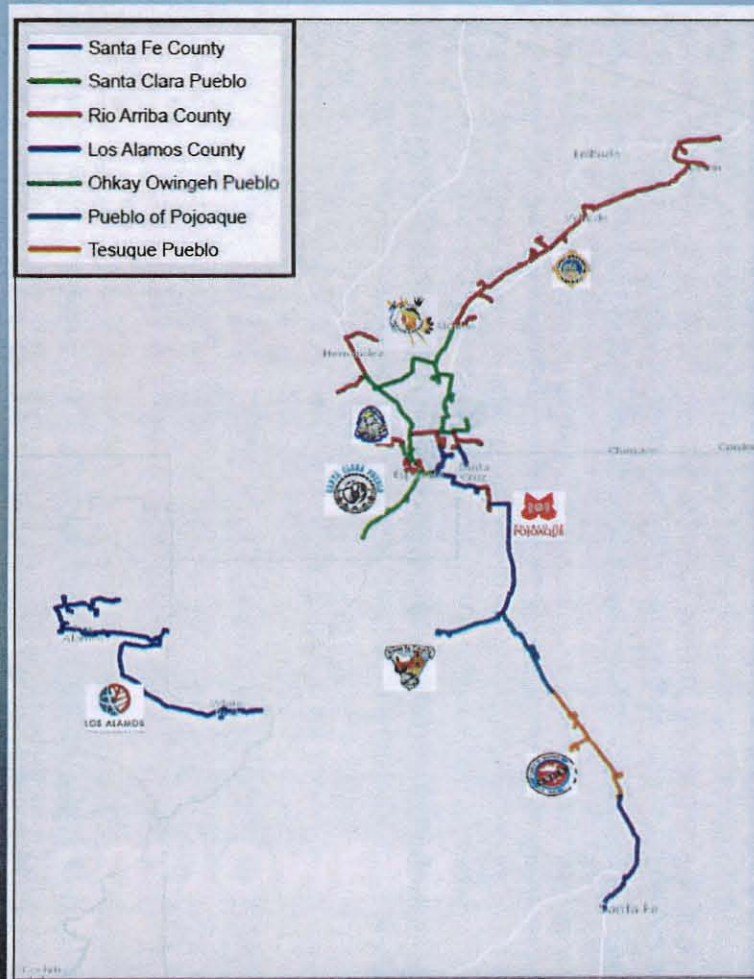


# REDI NET CUSTOMERS

- Internet or broadband providers (ISPs) that offer services to residential and commercial customers
- Community Anchor Institutions such as schools, medical facilities, government offices, community centers, ...



# REDI NET FIBER NETWORK





## WHAT DOES REDI NET DO?

- Operate the fiber network
- Break/fix
- Maintenance
- Manage shared resources
- Solution Development (Whats That?)
- Easements
- Right of Ways
- Pole attachment Agreements
- Utility Line Locates
- Permitting
- Construction
- Project Management
- New Technology implementation
- 24/7 Network Operations
- Bulk purchasing for Internet Access
- ISP recruitment and expansion
- Partnerships
- Project development
- Vendor Management
- Insurance
- Legal
- Contracting
- Fiscal Management
- Inventory Management



## REDI NET HISTORY

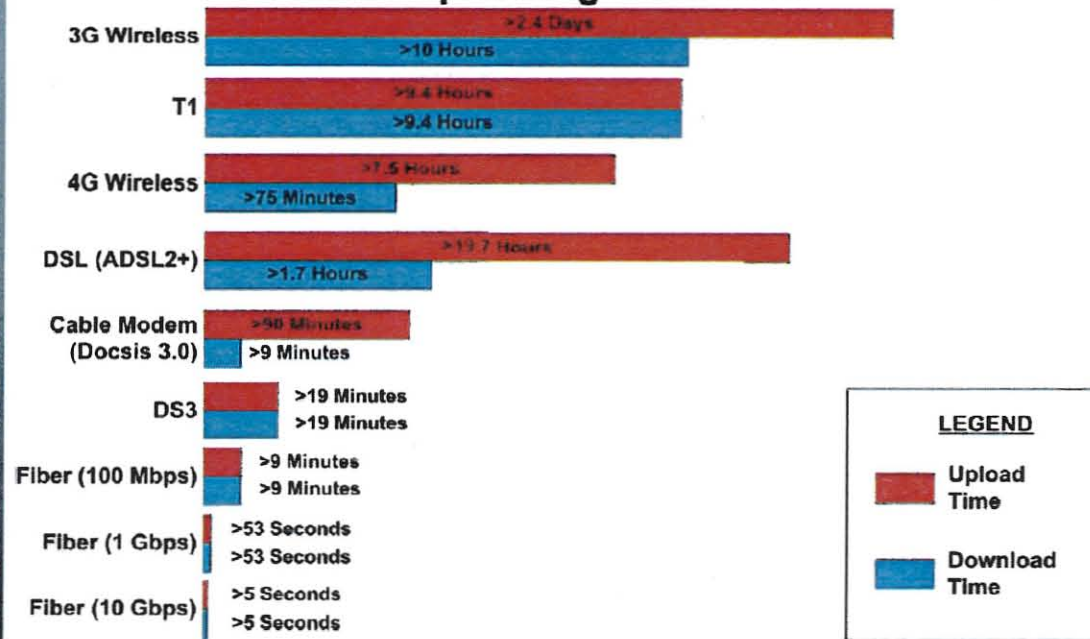
2008	Consortium formed to apply for Broadband Technology Opportunities Program (BTOP) grant.
2009-10	Application cycle to fund the Regional Economic Development Initiative Network – REDI Net.
August 2010	\$10.6 million BTOP grant awarded. + \$2.9 million in local match; as a program of NCNMEDD
June 2011	Construction of fiber network started.
January 2012	First customers connected to the network.
April 2016	Rio Arriba County assumes fiscal agency for REDI Net.
May 2016	REDI Net obtained an EIN.
June 2017	REDI Net hired a General Manager.



# BROADBAND OPTIONS

Figure 1: Comparative Speeds of Various Technologies

## Minimum Time Required for Downloading and Uploading a 5 GB File





## **Redi-Net Mission Statement**

REDI-NET IS A REGIONAL MULTI-GOVERNMENTAL COLLABORATION SET ON BRIDGING THE DIGITAL DIVIDE TO BRING BROADBAND SERVICES TO OUR COMMUNITIES FOR IMPROVED PUBLIC SAFETY, EDUCATION, HEALTH, AND ECONOMIC DEVELOPMENT.



## **Redi-Net Vision Statement**

TO BECOME A RECOGNIZED LEADER IN BROADBAND SERVICES AT COMPETITIVE PRICES FOR ALL OF NORTHERN NEW MEXICO.

REDI-NET IDENTIFIES BROADBAND AS A NECESSARY QUALITY OF LIFE COMPONENT AND SEEKS TO LEVEL THE INFRASTRUCTURE PLAYING FIELD THAT NORTHERN NEW MEXICO HAS STRUGGLED WITH FOR GENERATIONS.

MAINTAIN A BUSINESS MODEL BASED ON GREATER GOOD RATHER THAN SOLELY PROFIT AND LOSS VIA ROBUST INFRASTRUCTURE AND ANCHOR INSTITUTIONS.



# GOALS

- Reduce the cost of broadband for Anchor Institutions;
- Expand services both geographically and number of customers, while maintaining affordability & reliability;
- Formulate strategic partnerships to increase service areas; type and geography;
- Workforce development; improve IT capacity in the region.



# DISCUSSION & QUESTIONS

## Thank You!

[www.redinm.org](http://www.redinm.org)

