

# BROADBAND Overview New Mexico Broadband Program

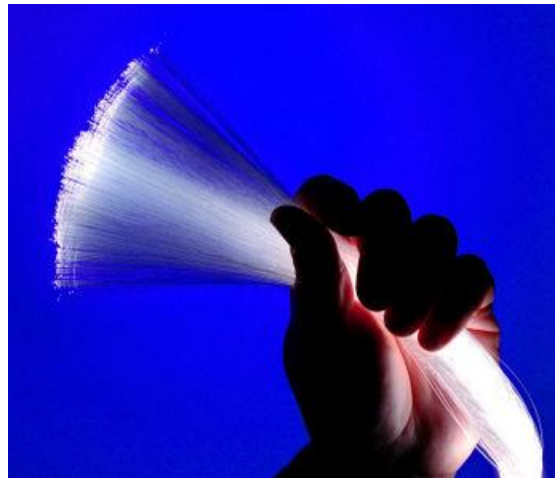
## Broadband USA Webinar Series

### Best Laid Plans

17 August 2016

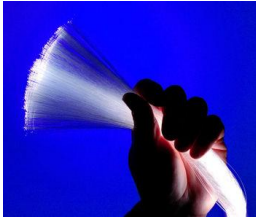


BROADBANDUSA  
CONNECTING AMERICA'S COMMUNITIES

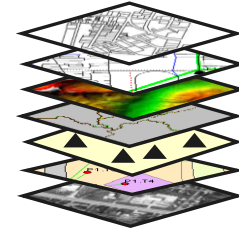


## Building a Statewide Solution

# OFFICE OF BROADBAND AND GEOSPATIAL INITIATIVES



**(OBGI)**



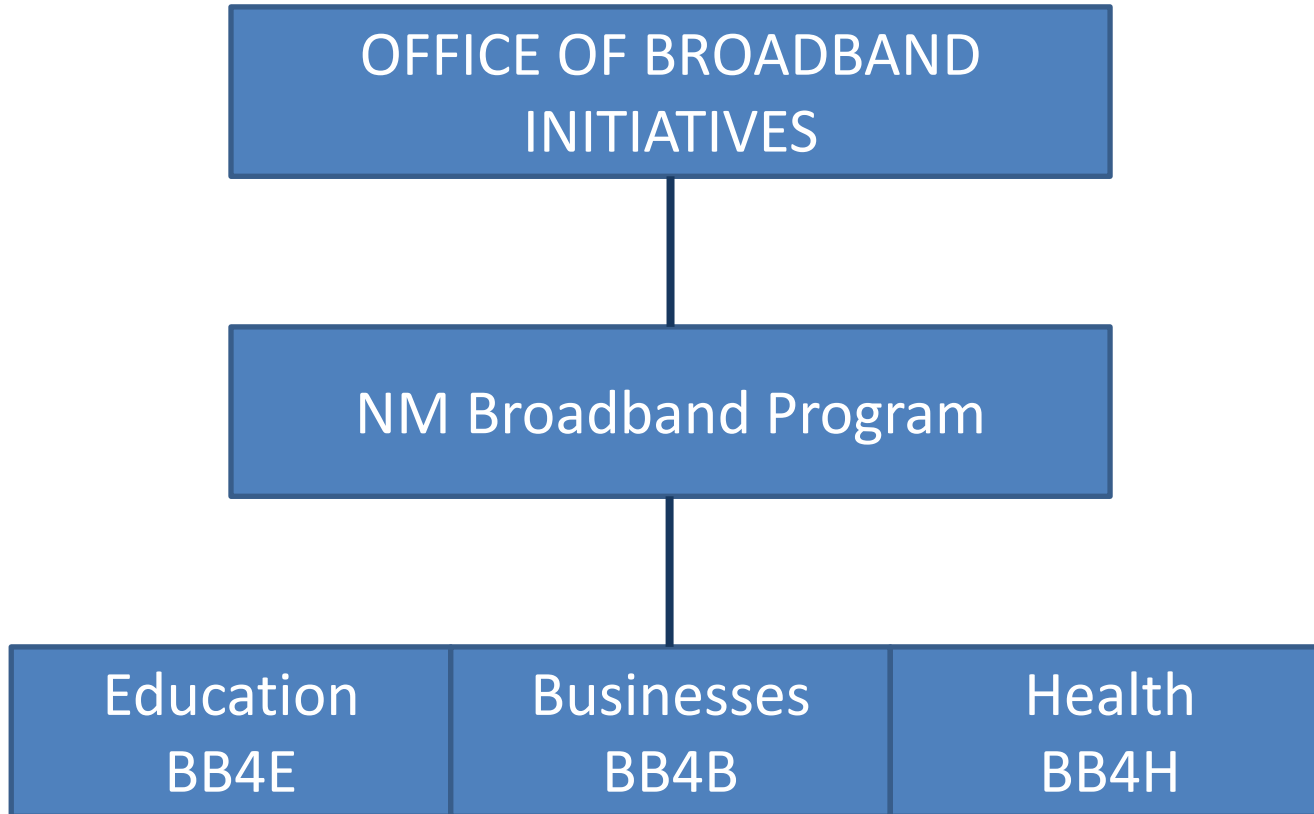
## PURPOSE:

- Coordinate Broadband and Geospatial activities in New Mexico
- Collaborate with State, Local, Federal, and Private entities
- Leverage returns on investments, economies of scale, and sustainability

## OUTCOME:

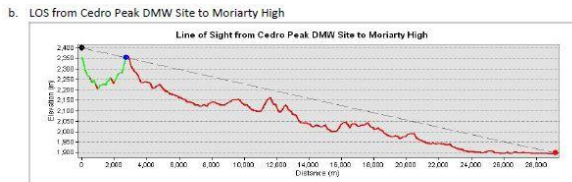
- An integrated and statewide implementation of Broadband Infrastructure/Digital Literacy and Geospatial Technology that consolidates resources in actionable solutions.

# OBGI: Broadband Initiatives - Structure

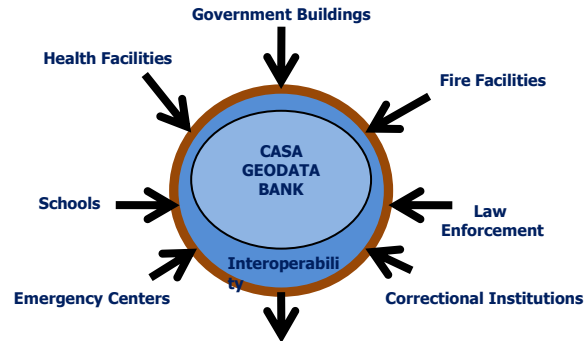


# OBT: Services and Resources

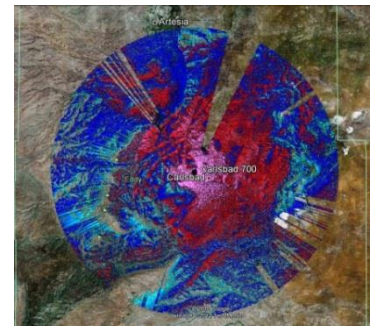
**Coordination:** Government, Industry, and Tribal  
**Reports:** Strategic Plans, Sector Solutions, Education  
**Engineering:** Network Design and Equipment  
**Testing:** Network Performance and Speed Testing  
**Analytics:** Propagation, Viewshed, Line of Sight, Co-Locate  
**Data:** Infrastructure, Anchors, Business, and Residential  
**Mapping:** Online and Map Products



Black point: Observer point (DMW Site)  
 Blue point: Obstruction Point  
 Red point: Target point (School), not visible from the Observer point  
 Green line: Visible terrain  
 Red line: Non-visible terrain



NM Broadband Program



# OBGI: Broadband for Education (BB4E)

**Objective:** Connect all schools by the last quarter of 2018 with 1 mbps per student/staff.

**Process:** Leverage E-Rate Funding

## Resources:

- State Appropriation of \$50M for five years (\$10M per year)
- School Survey of Existing Conditions (840+)
- E-Rate Consultant Contract
- Facility and Infrastructure Mapping

## Collaborative:

- Governor's Office
- Education SuperHighway
- Department of Information Technology
- Public Education Department
- PSCOC Senate Bill 159
- State Library
- Tribal Education



# OBTI: Broadband for Businesses (BB4B)

**Objective:** Define level of effort to provide reliable and affordable Broadband Services to Businesses.

## Process:

- Assess capacity requirements and develop a cost model
- Research administrative options to implement a statewide BB4B Project
- Provide Business focused digital literacy content and web presence

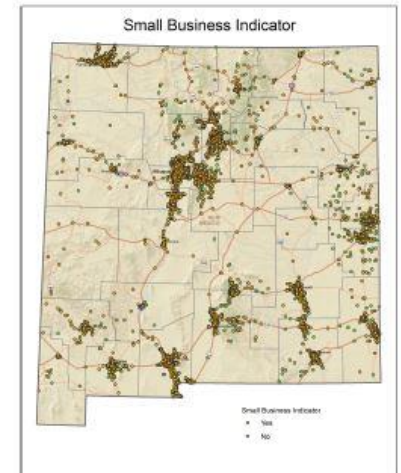


## Resources:

- Special State appropriation (\$400K)
- Business data (Business Permits, Proprietary Sources, Survey)
- Speed Test Blitz
- NMBBP broadband availability and facility (CASA) data

## Collaborative:

- Legislative – Interim Jobs Council
- Business Community – Associations, Economic Development, Commerce
- Government – Local and State Agencies (TRD, EDD, DOL, Regional, etc.)



# OBGI: Broadband Projects

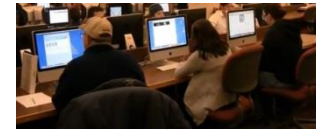
## BB4H: Broadband for Health

- Leverage USAC Health Connect Funds
- Engage consultant assistance for application
- Utilize existing funds to provide match



## BB4L: Broadband for Libraries

- Change library bond language to include broadband language
- Use bond funds for match
- Support Consortia with Schools to access E-Rate
- Conduct gap analysis and identify access and wifi needs



## BB4C: Broadband for Communities

- Facilitate and provide technical coordination to communities
- Support alternative technologies to fiber (TVWS, DMV, etc)



## NMFIRSTNET: Public Safety Broadband Network

- Data Collection Activity – Towers, Critical Infrastructure, etc.

# THANK YOU



NEW MEXICO  
DEPARTMENT OF  
INFORMATION TECHNOLOGY



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Broadband Portal: <http://www.doit.state.nm.us/broadband/index.shtml>