

# NEW MEXICO BROADBAND OVERVIEW

**Economic and Rural Development  
Legislative Committee  
13 September 2013**



# PROGRAM: Funds

- NTIA Funds

- Total Federal Award: \$4.8M (Jan 2010)
  - State Match: \$1.2M (20%)



- Grant Components

- Mapping: \$3.1M (Five Years)
- Planning: \$500K (Five Years)
- Capacity Building \$600K (Four Years)
- Technical Assistance \$560K (Four Years)



**BROADBANDUSA**  
CONNECTING AMERICA'S COMMUNITIES



NEW MEXICO  
DEPARTMENT OF  
INFORMATION TECHNOLOGY



# CAPACITY BUILDING: Framework

## ■ Coordination

### ■ Broadband Executive Committee

- BEC Members: [http://www.doit.state.nm.us/broadband/exec\\_committee.shtml](http://www.doit.state.nm.us/broadband/exec_committee.shtml)

### ■ Broadband Working Group

- Working Group Info: [http://www.doit.state.nm.us/broadband/bb\\_workgroup.shtml](http://www.doit.state.nm.us/broadband/bb_workgroup.shtml)

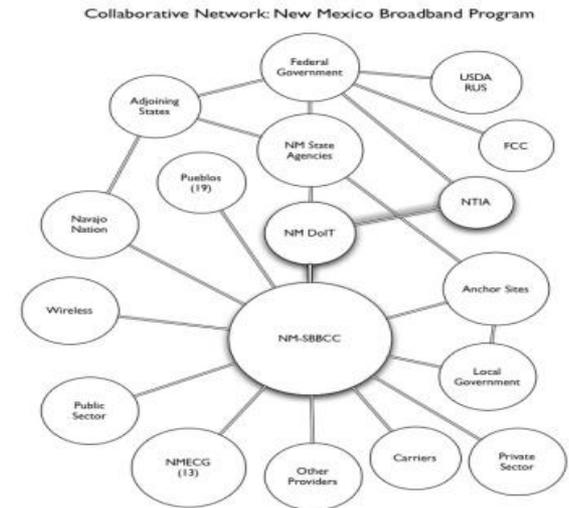
## ■ Health, Education, Economic Development

- Governance, Digital Literacy, Tribal

### ■ NM TeleHealth Alliance

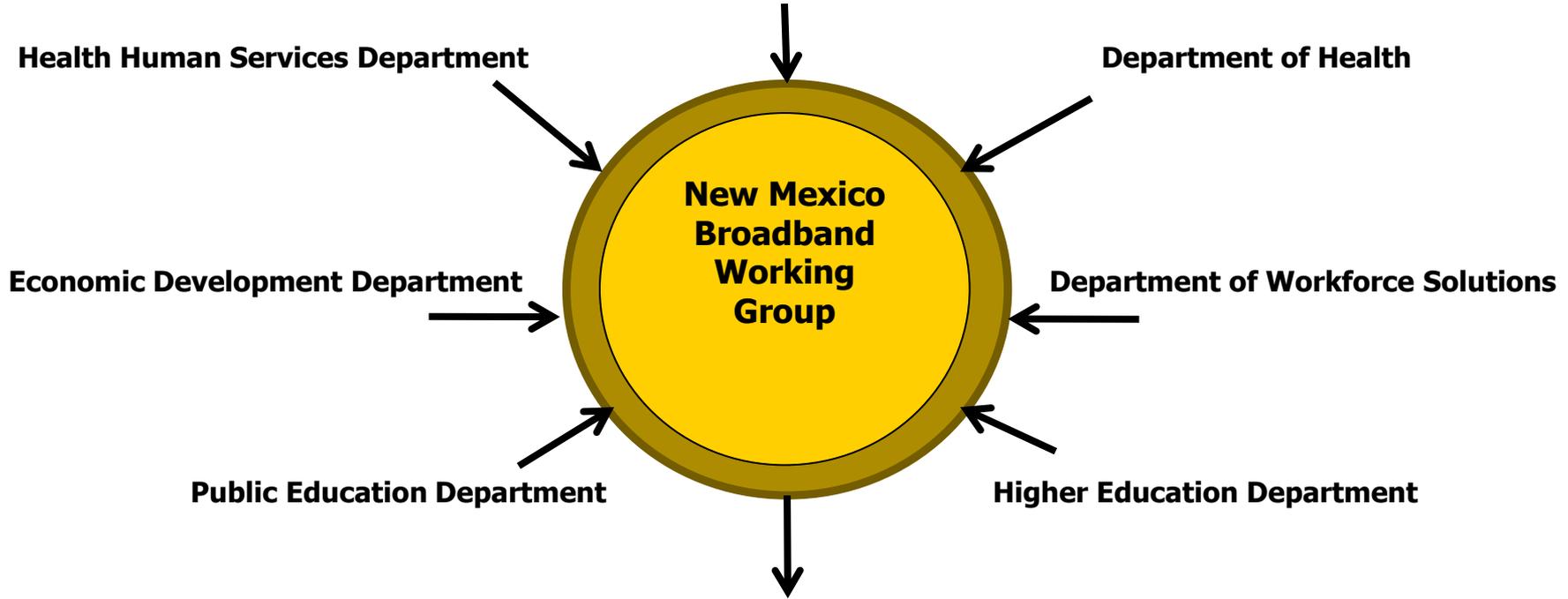
### ■ NM Technet

### ■ EEIC of New Mexico



# CAPACITY BUILDING: Agencies

**STATE AGENCIES**  
**DoIT IT Working Group**

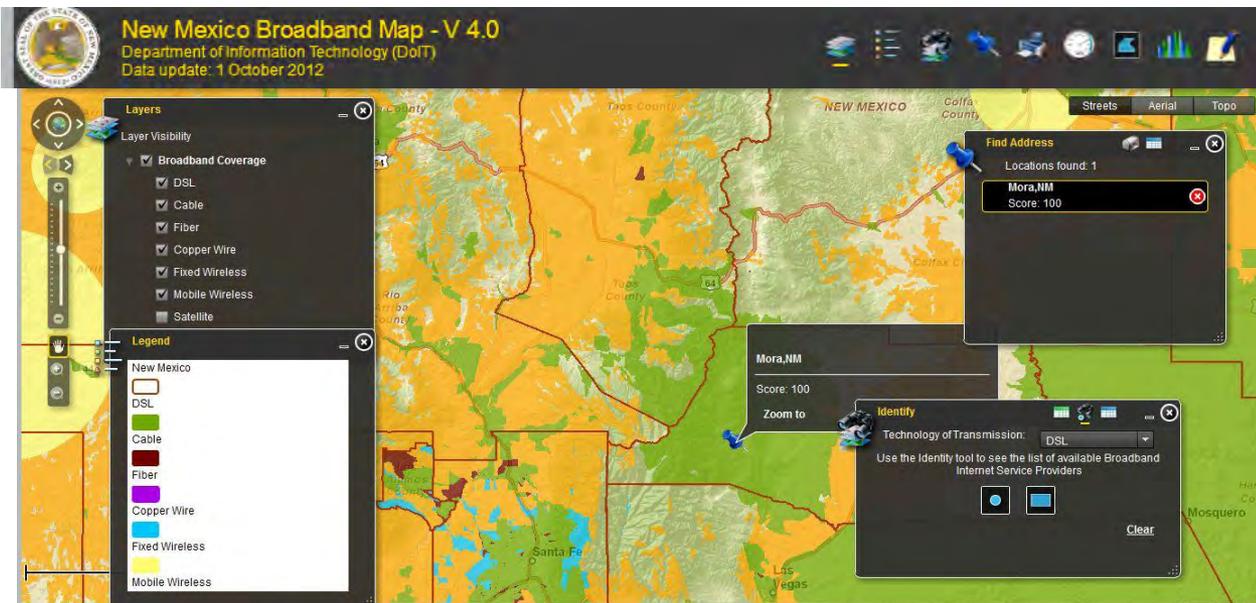
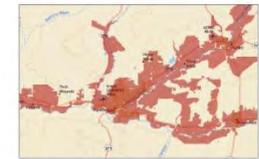


**NM Broadband Program**

**NM Broadband State Agencies Task Force**

# MAPPING: NM BB MAP

- New Mexico Broadband Map (Availability)
  - Source – Internet Provider Data
    - Type of Technology
    - Provider Service Area and Contact
    - Search – Address, Community, Area, or Point
    - Speed Test



# TECHNICAL ASSISTANCE

- New Mexico Broadband Videos
  - Overview, Education, and Health
- Public Internet Training & Access (PITA)
  - Statewide Inventory (275+)
  - Institutions, Content, Resources
- Train the Trainer Program
  - Locally Branded Content
  - Targeting Professional Sectors
  - Basic and Business Instruction
- Native Lands Broadband Pilot
  - Telecom Infrastructure Mapping



NM Broadband Videos: <http://www.youtube.com/NMBroadband>

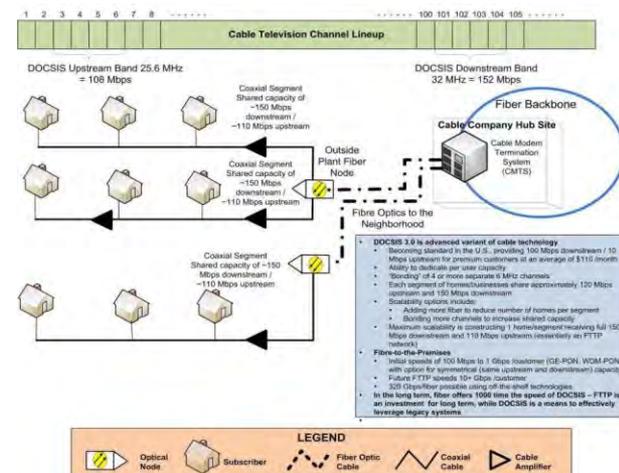
Public Internet: <http://www.nmbbmapping.org/pita/>

Digital Literacy: <http://www.doit.state.nm.us/broadband/training/resources.shtml>

# PLANNING: Strategic Plans



- Statewide Strategic Plan (2014)
  - Action Document
    - Issues, Gaps, and Actions (Solutions)
    - Administrative Structure, Governance, Industry, and Funding
    - Major Sectors: Education, Health, Economic Development
- Mini-Strategic Business Sector Plans (2013)
  - Business Sectors: **Health, Education**, and **Economic Development**
  - Development of a Working Group
  - Survey of Broadband Existing and Future Uses
  - Broadband Gap Analysis
  - Summary of Emerging Services
  - Barriers to Service Adoption
  - Broadband Applications
  - Funding Sources
  - Existing Initiatives
  - Recommendations



# PLANNING: Working Group

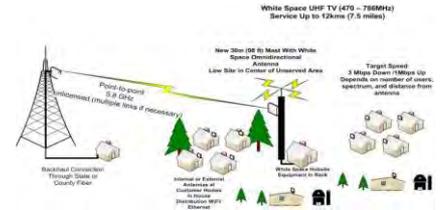
- New Mexico Broadband Working Group
  - Provide input into the “Mini-Strategic Plans”
  - Composition (~ 30)
    - Experts in Health, Education, and Economic
    - Telcom Industry
    - Federal Loan Programs
    - Tribal Entities
    - Non for Profit Organizations
    - State and Local Governments
    - Community Organizations
    - Technology Councils
    - Regional Governances



# PLANNING: Tools

- Community BB Master Plan Guidebook
  - Requirements (supply and demand analysis)
  - Collaborative structure
  - Technology models
  - Business cases
  - Funding strategies
  - Benefits
  - Risks
  - Community engagement
- Speed Test Performance

- Test: <http://www.doit.state.nm.us/broadband/speedtest.shtml>



**doit** NEW MEXICO DEPARTMENT OF INFORMATION TECHNOLOGY

The New Mexico Broadband Program  
Community Broadband Master Plan Guidebook

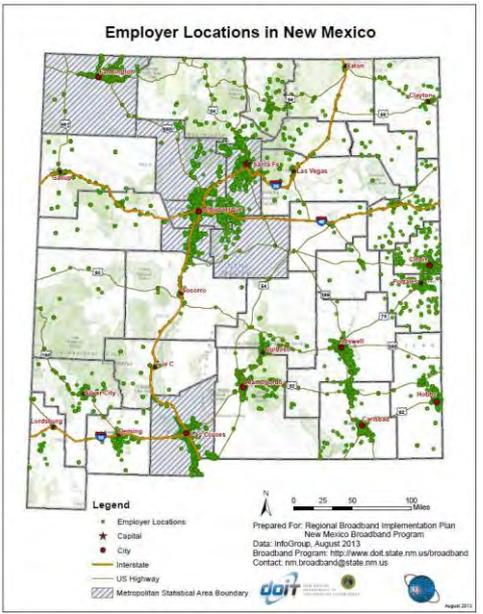
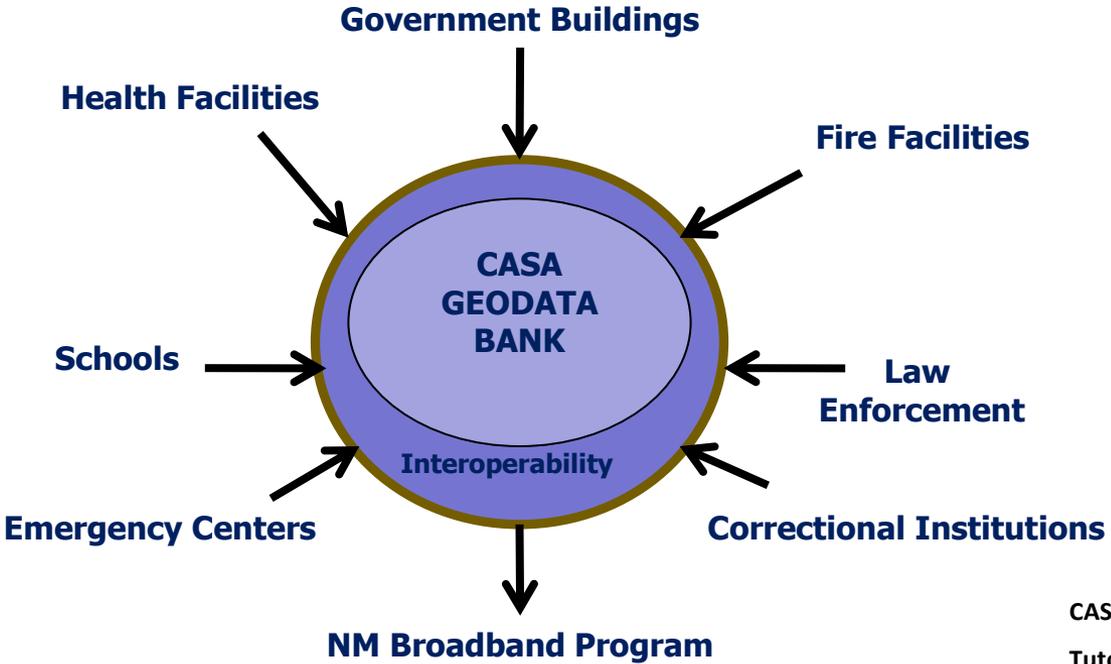
Version 1.1, March 2013  
Version 1, December 2012

Prepared for:  
The New Mexico Broadband Program  
NM Department of Information Technology  
<http://www.doit.state.nm.us/broadband/>

Prepared by:  
ctc technology & energy  
engineering & business consulting  
<http://CTCnet.us>

# PLANNING: Tools

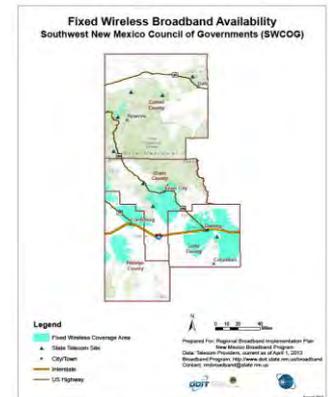
- NM Broadband Subscription and Use
  - Report: [http://www.doit.state.nm.us/broadband/reports/NMBBP\\_bb\\_use\\_0613.pdf](http://www.doit.state.nm.us/broadband/reports/NMBBP_bb_use_0613.pdf)
- Community Anchor Site Assessment (CASA)
  - Public and Private Facilities Requiring BB
  - First in New Mexico within one Database
  - Crowd Sourcing Update



CASA Crowd Sourcing: <http://nmbbmapping.org/bbcrowd/>  
Tutorial Video: <http://www.youtube.com/NMBroadband>

# IMPLEMENTATION: Regional

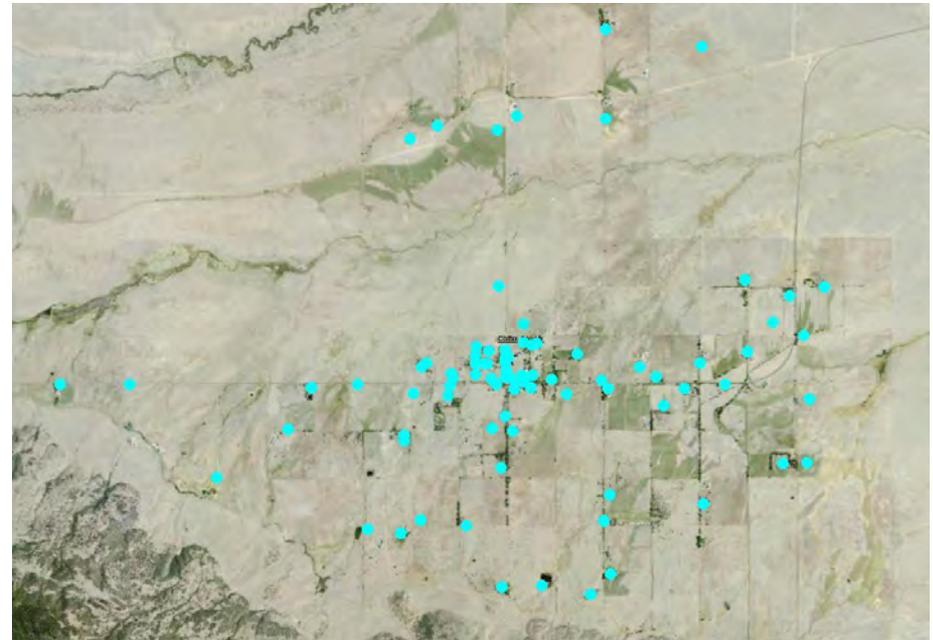
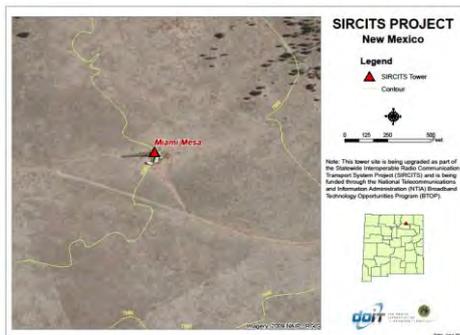
- Regional Broadband Implementation Plans (RBIP) Pilots
  - Two Regions Selected (NEEDO and SWNMCOG)
    - Criteria: champion, middle mile requirements, rural
    - Solution: infrastructure gaps, funding, RFI/RFP
  - Process
    - Identification of Pilot Regions
    - Develop a Planning Model
    - Create a Pilot Area Supply and Demand Assessments
    - Generate a Pilot Area Technology Plan
    - Compile a Strategic and Business Plan
    - Assist Development of RFI or RFP
    - Facilitate Partner Negotiations
    - Identify Funding Mechanisms
    - Prepare Implementation Plans and Specifications



# IMPLEMENTATION: Example

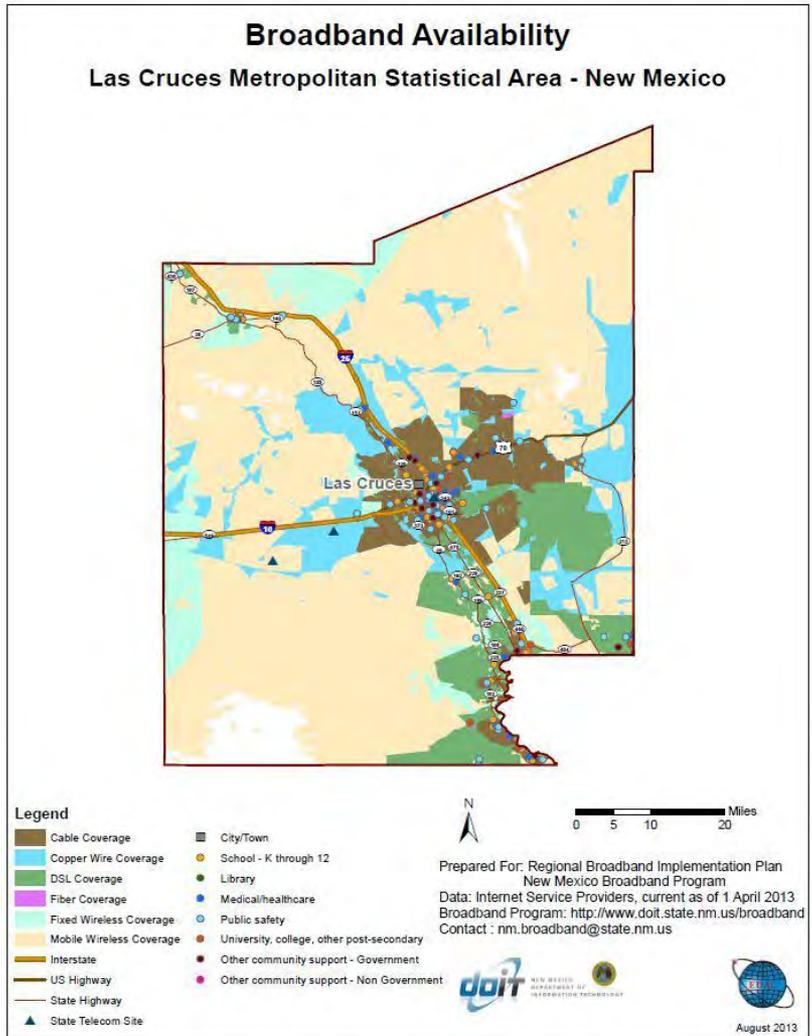
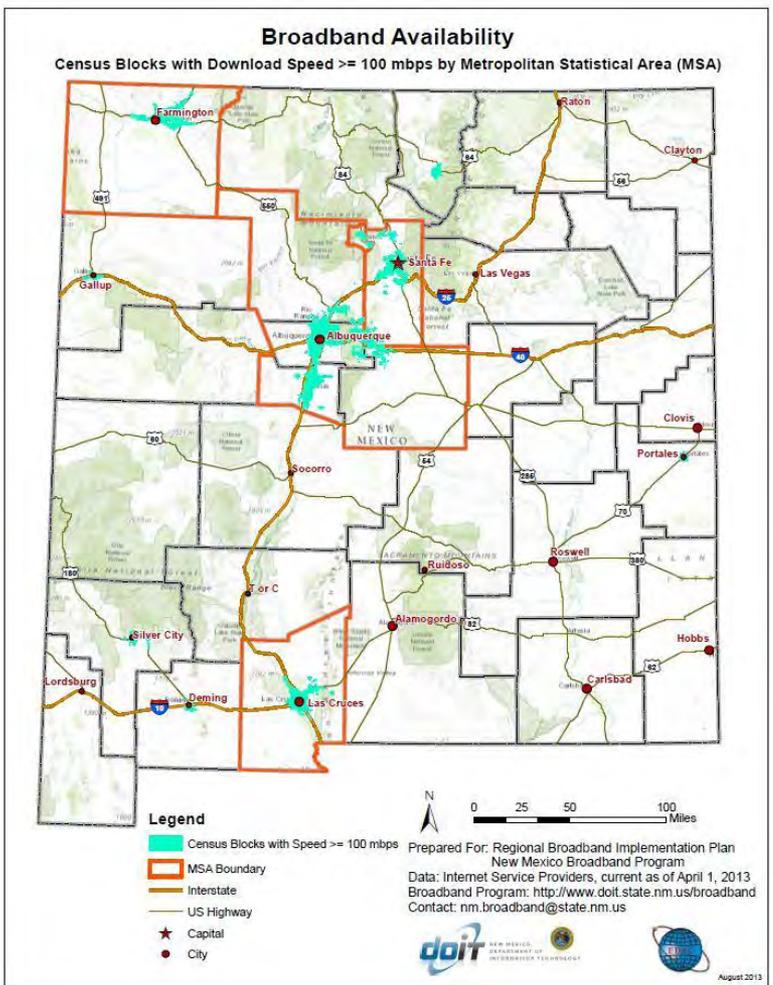
- Rural Regional Collaborative Focus
  - Development of a community team
  - Assessment of existing infrastructure/services
  - Engagement of telecom industry into solution
  - Mending of technologies into a solution fabric

- Miami New Mexico
  - Households: Approximately 65
  - Institutions: Volunteer Fire and Community Center
  - Technology: None
  - Proximity: DoIT Telecom Site (Miami Peak)



# ECONDEV: Technology Available

- Rural Broadband Availability
  - Target Speed 100 mbps



- Las Cruces MSA
  - Assessment Data

# ECONDEV: Summit

## ■ Broadband Summit Recommendations

### ■ Actions

- Public Awareness
- Financial Resources
- Task Force

### ■ Strategies

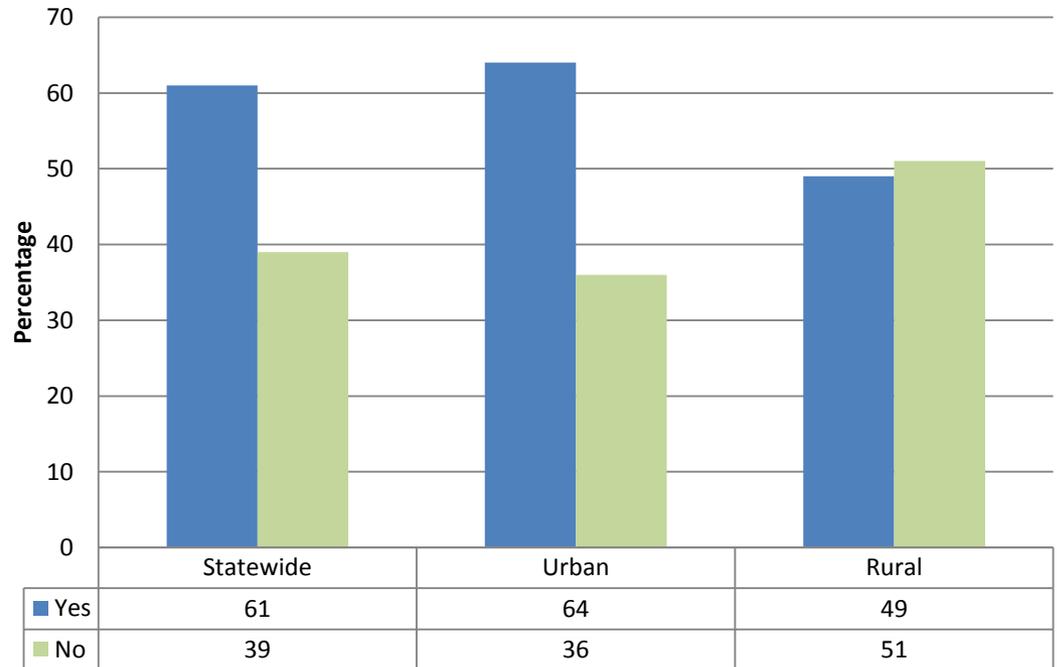
- Launch an Outreach Program
- Establish Partnerships
- Centralize Data Gathering to Properly Fund
- Identify Financing Gaps
- Develop Funding Solutions and Support Legislation
- Partner with COG and EDO
- Statewide Effort



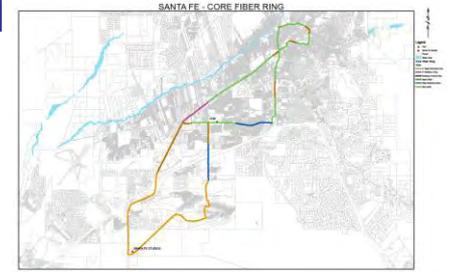
# ECONDEV: Strategic Plan

- Preliminary Recommendation Categories
  - Education and Outreach
  - Strategic Planning
  - Funding
  - Partners
  - Administration

**Is the current internet service in your area adequate to meet the needs of businesses in your area?**



# ECONDEV: Strategic Plan



## ■ Education and Outreach

- Statewide broadband economic benefits
- Annual broadband summit for economic development
- Broadband at economic, rural development, and business events
- Broadband outreach to attract businesses
- Broadband education materials (maps and reports)
- Assign EDD to designate broadband staff

## ■ Strategic Planning

- Develop a five year plan inclusive of broadband enhancement
- Require broadband section in all economic development plans
- EDD Annual Report on broadband status supporting business
- Conduct a statewide speed test of all businesses
- Assist industry cluster associations to identify needs
- Provide a chart of successes, uses, and progress

# ECONDEV: Strategic Plan



## ■ Smart Funding

- Consolidate funding sources into a web application
- Offer technical and professional grant assistance/administration
- Identify, propose, and fund pilot applications
- Legislate state funding sources for direct appropriations

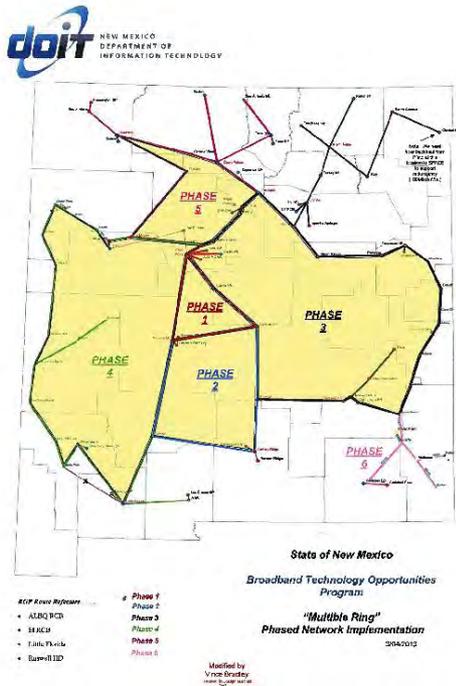
## ■ Partners

- Governor designate broadband an administration priority
- Educate legislators on benefits, needs, and gaps.
- Engage federal funding agencies in process
- Solicit participation from private employers
- Attract national labs into the process
- Involve industry associations (aviation, mining, film, etc.)
- Support business support entities (SBA and SBDC)
- Determine and engage an active role for electric cooperatives
- Leverage resources with education and health providers

# ECONDEV: Strategic Plan

## ■ Administration

- Leverage DoIT as state agency responsible for broadband
- Strengthen the Broadband Program within DoIT
- Task Bureau as clearinghouse for broadband projects
- Continue to enhance and maintain the NM Broadband Portal



## NEW MEXICO DEPARTMENT OF INFORMATION TECHNOLOGY

- New Mexico Broadband Program
  - Broadband Planning (Availability and Adoption)
- New Mexico SIRCITS Project
  - Finalized analog to digital 105 sites
- New Mexico and Local Implementation Grant Program
  - Statewide Public Safety System



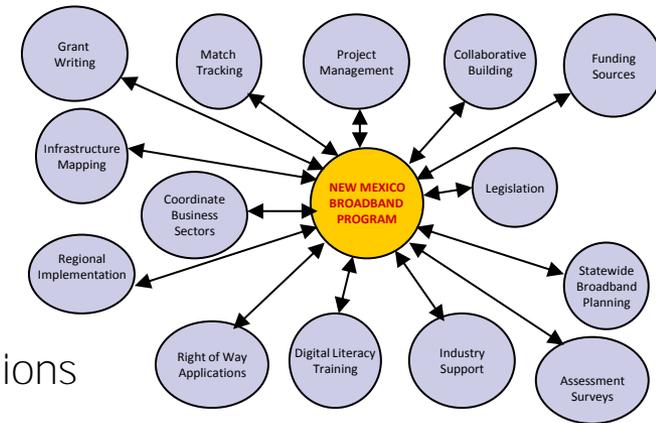
# ECONDEV: Strategic Plan

## ■ Public Private Partnership

- Neutral nonprofit coordination and collaborative building
  - Legally created alliance
  - Provides for strong public and private partnerships
  - Minimal state funds to support basic services
  - Enterprise implementation to charge for project services

## ■ Functional Tasks

- Update state broadband strategic plans
- Provide grant administration services
- Monitor funding opportunities and alert candidates
- Identify, list, and pool match funds
- Facilitate project cooperation and collaborative solutions
- Support coalition building
- Maintain broadband administrative resources (web portal, funding sources, notification lists)



# THANK YOU



NEW MEXICO  
DEPARTMENT OF  
INFORMATION TECHNOLOGY



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



**National Telecommunications  
and Information Administration**