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)
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

- Health Human Services Department
- Department of Health
- Economic Development Department
- Department of Workforce Solutions
- Public Education Department
- Higher Education Department

New Mexico Broadband 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

NM Broadband Map: http://nmbbmmapping.org/mapping/
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.nmmbmapping.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](http://www.doit.state.nm.us/broadband/speedtest.shtml)

Broadband Guidebook: [http://www.doit.state.nm.us/broadband/reports/NM_Broadband_Guidebook_v1_1_final.pdf](http://www.doit.state.nm.us/broadband/reports/NM_Broadband_Guidebook_v1_1_final.pdf)
PLANNING: Tools

- NM Broadband Subscription and Use
- 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/](http://nmbbmapping.org/bbcrowd/)
Tutorial Video: [http://www.youtube.com/NMBroadband](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

RBIP: [http://www.doit.state.nm.us/broadband/surveys.shtml](http://www.doit.state.nm.us/broadband/surveys.shtml)
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

Broadband Summit Host: State Library
Participants: 200 (Public/Private)
Date: 3 August 2013
Materials: http://www.doit.state.nm.us/broadband/news.shtml
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?

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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

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