

**New Mexico Broadband Mapping and Planning
State Broadband Data and Development Grant Program (SBDDP)
American Recovery and Reinvestment Act (ARRA) Federal Stimulus Funds
Department of Information Technology (DoIT)
New Mexico Office of Recovery and Reinvestment (NMORR) Approval**

Title: New Mexico Broadband Mapping and Planning Program

Federal NTIA Grant No.: 350-50-M09036

Fund Source: State Broadband Data Development Program (Federal ARRA Award)

Federal Share: \$4,762,287

State Share: \$1,332,544 (“In-Kind” Match)

Period: 13 January 2010 to 31 December 2014

Funded Categories (Award Periods):

- Mapping - Broadband availability, technology types, and speed (1/13/2010-12/31/2014) – 5 Yrs
- Planning – Assessing adoption issues and implementation priorities (1/13/2010-12/31/2014) – 5 Yrs
- Capacity Building – Coordination, working teams, and partnerships (1/13/2011-12/31/2014) – 4 Yrs
- Technical Assistance – Digital literacy resources and outreach (1/13/2011-12/31/2014) – 4 Yrs

Overview

The New Mexico Department of Information Technology (DoIT) was initially awarded \$1,885,382 on 13 January 2010 from the US Department of Commerce to be spent on broadband mapping and planning activities. An amended “supplemental” award of \$2,876,905 was granted on 28 September 2010 for a total of \$4,762,287. The overall award period for this action will extend from 13 Jan 2010 through 31 December 2014.

The State of New Mexico, in meeting State and National requirements and objectives, will generally undertake and complete, in phased efforts over the next five years, the following Broadband Mapping and Planning tasks:

- Develop and provide a baseline assessment of broadband deployment
- Capture and report data on broadband and information technology services through the 5-year life of the project to use and share for the purposes of developing and updating maps representing areas of service use, underserved areas, and un-served areas.
- Create within the state, a geographic inventory map of broadband service
- Identify and track the areas with low levels of deployment, the rate at which residential and business users adopt broadband service and other related information technology services, and possible suppliers of such services
- Identify barriers to the adoption of broadband service
- Identify the available speeds for broadband connection
- Collect and analyze detailed market data concerning use and demand for broadband service

- Facilitate information exchange regarding use and demand for broadband services between public and private sector users
- Develop trends through data analyses that represent improvements in available services and increases in geographic service areas through cooperative stakeholder collaboration over the life of the project.
- Contribute to the National Broadband Mapping Project by:
 - Providing the NTIA with a hypertext link to the State maps for display on a web page on the Department of Commerce website.
 - Providing required information, for the National Broadband Map, including
 - Geographic areas in which broadband service is available
 - The technologies used to provide broadband service in such areas
 - The spectrum used for the provision of wireless broadband service in such areas
 - The speeds at which broadband service is available in such areas
 - Broadband service availability at public schools, libraries, hospitals, colleges and universities and all public buildings owned or leased by agencies or instrumentalities of the states or municipalities or other subdivisions of the state and its respective agencies or instrumentalities

The State of New Mexico, in meeting State and National requirements and objectives, will undertake and complete, in phased efforts over the next five years, the following Broadband Mapping and Planning components:

Mapping (Total Grant - \$3,094,884): This component, also referred to as “Data Collection, Integration, and Validation”, was originally funded for two years. The amendment or supplemental award extends data collection activities towards mapping for an additional three years. The funds will provide for twice yearly acquisition/processing of data from Telecommunications Providers to meet NTIA data upload requirements. In addition, these data will lend towards the New Mexico Broadband Web Map.

Planning (Total Grant - \$500,000): The NM Broadband Program will coordinate the interests of public, industrial, and government interests by developing communication opportunities to include maintaining a current contact list, the creation of “Project Teams” for the 24 other Broadband Grantees doing business in New Mexico, and hosting of “townhouse” meetings. To enhance the adoption of broadband within New Mexico a socio-economic analysis will be conducted. This will ramp into a “Model” that will provide useful information on the barriers and opportunities to adoption both in content and areas within the state. This model is expected to be flexible enough to be used for other sector analyses.

Capacity Building (Total Grant - \$597,814): With this project, the New Mexico Department of Information Technology (NMDOIT) will build on the framework created by the New Mexico Integrated Strategic Broadband Initiative in 2008. A Municipal/Tribal Broadband Planning and Implementation Guide will be produced to assist in the master planning and implementation steps required for developing broadband technologies within a community. The funding will support reorganization and expansion of statewide broadband capacity building by developing an executive structure with subcommittees for the following areas: infrastructure, technical

planning, applications, legislation, education, governance, tribal issues, and broadband providers. In addition, NMDOIT will hold public forums and an annual conference. Lastly, “Crowd Sourcing” technologies will be designed and piloted to investigate sustainable methods to update and maintain data resources.

Technical Assistance (Total Grant - \$569,589): With this funding, NMDOIT plans to catalogue all broadband and technology training programs located within the state and then identify areas that lack training resources in order to improve planning. Educational and training materials will be created, distributed, and seminars conducted throughout the state to enhance broadband use and adoption. NMDOIT will also provide direct technical assistance to tribes to facilitate their participation in the broadband mapping project and to improve their internal geographic information system capacity.

The State of New Mexico will work to meet all program compliance requirements and will fulfill the task and scheduling requirements of the National Telecommunications and Information Administration (NTIA) State Broadband Data and Development Program (SBDDP), over the five-year grant period.

Agency Proposal

The agency is requesting approval of the remaining Grant Balance of \$2,876,905 following a previous NMORR approval of \$1,885,382. This multiyear request is to be expended in Fiscal Years 2010 through 2015. Since this “amendment/supplemental is applied to the entire program; the Fiscal Year expenditure plan show “Total Grant” funds (Total Federal Grant Share - \$4,762,287) as follows:

FY2010 (Actual)	FY2011 (Projected)	FY2012 (Projected)	FY2013 (Projected)	FY2014 (Projected)	FY2015 (Projected)
\$66,328	\$625,079	\$980,040	\$1,224,178	\$1,241,341	\$625,321

Following are the expenditure categories:

Personnel (Request - \$379,168): DoIT has hired an Information Technology Architect as the Broadband Program Director for the grant life. These funds will provide for salary (**Total Grant - \$844,230**).

Travel (Request - \$5,200): An exceptional amount of travel will be expected during the five year life cycle of the grant. Travel to all quadrants of the state will be needed to attend data review meetings with Broadband Providers and public meetings to gather customer requirements. In addition, federally sponsored meetings and National Broadband Conferences are required attendance by the grant sponsors. Lastly, geospatial broadband technical conferences hosted in various states will be another travel requirement. The travel budget is based on current New Mexico published per diem rates (**Total Grant - \$85,200**).

Equipment (Request - \$11,163): Equipment requirements are limited to personal computer needs of the Project Team, storage devices to accommodate the large geospatial data, and minor communication needs (**Total Grant - 11,163**).

Supplies (Request - \$29,549): Supplies will include software purchases and maintenance cost that align with the NTIA requirements for geospatial data acquisition, processing, and web deployment. In addition, subscription to national datasets will be a requirement that may include street centerline coverage, satellite broadband assessments, and business inventory data. Lastly, telecommunications modeling software will be purchased that will collect speed test data and extrapolate service availability for certain technology sectors (**Total Grant - \$283,519**).

Contractual (Request - \$2,451,825): The contractual funds will be used to engage services to support the massive amount of data acquisition, processing, analysis, and web development. Research services will be required to support public surveys on broadband acceptance and to identify obstacles to participating in acquiring broadband services. Engineering firms who understand the infrastructure requirements and have been involved with implementation will be required to convert confidential infrastructure data into the NTIA requirements for aggregate information. Modeling services will be acquired to analyze and propose areas where new Broadband infrastructure can be constructed without redundant services and in areas that have a high level of acceptance. Also, “speed testing” of upstream and downstream services will be analyzed, compared with advertised speeds, and geocoded or address matched to identify areas that may not be in compliance. This will require specialized services. There will be a requirement for incorporating a socio-economic assessment that will be coupled with growth statistics and business assessment that will link with the planning component of this grant in proposing expansion and construction of broadband within New Mexico. Lastly, services to support the marketing, education, and forum will be accessed (**Total Grant - \$3,466,825**).

Other (Request - \$0.00): There will be a number of ancillary, yet necessary expenditures that target the planning component of the grant. Surveys both online and posted mailings will be sent to statistically selected addresses throughout the New Mexico. Public brochures and other marketing materials will need to be funded and distributed to educate the public at home, in libraries, and other public areas as to the merits of broadband acceptance. Also, training both high-level technical sessions directed towards the grantees will be required, yet more importantly on-site public training classes on the use of internet services will require funds (**Total Grant - \$71,350**).

Certifications and Assurances

1. DoIT will comply with requirements found in the Department of Commerce, National Telecommunications and Information Administration Federal Funding Opportunity Notice and the Department of Commerce, National Telecommunications and Information Administration Federal Register Notice (74 FR 33104), dated July 9, 2009 and found at http://www.ntia.doc.gov/fronotices/2009/FR_BBNOFA_090709.pdf.

2. DoIT will comply with the Whistleblower Protection requirements of the American Recovery and Reinvestment Act, Section 553 of Division A, Title XV, Public Law 111-5. Release of federal funds will be approved only after the Recipient submits and Grants officer approves a signed statement from a licensed public accountant, certifying the ability of the recipient’s financial management system to appropriately track and account for Federal grants funds and expenditures associated with the funded project. This statement must be received within 60 days of the award start date.

3. DoIT has demonstrated Compliance with Maintenance of Effort and Similar Provisions or the “but-for test”: In state Fiscal Year 2009 and 2010 New Mexico budgets were initially required to remain flat. Flat means zero dollar growth, which may translate as an actual budget reduction because of expenditure growth due to cost and population increases. DoIT, as all New Mexico state government divisions, was required to adhere to this requirement. Furthermore, in state Fiscal Year 2009 all budgets were cut. Additional cuts were implemented in Fiscal Year 2010 across all state divisions, including mandatory furloughs. Proposed budgets for FY11 are to be reduced as well. Funds for this project could not be obtained from any other source but the BTOP program because of the current economic decline in New Mexico government revenues.

Matching Requirement

The New Mexico match share requirement for the entire award is \$1,332,544. DoIT is meeting this obligation entirely with “in-kind” services and expenditures to include a combination of broadband “staging” contracts, staff participation, committee attendees, travel, supplies, and contract services towards data development that support broadband mapping. The “New Mexico Broadband Program In-Kind Tracking System” has been developed and implemented to monitor in-kind progress. In addition, a Memorandum of Understanding (MOU) between DoIT and the Department of Finance Administration (DFA) Special Projects has been secured. This MOU will provide the NM Broadband Program In-Kind Service expenditures up to \$400,000 per year to support the development, processing, and maintenance of the E911/NM Road Centerline File, an important requirement to Map Broadband.

NMORR APPROVALS:

NMORR Approvals March 23, 2010, May 12, 2010; and February 22, 2011

NMORR approves DoIT’s revised plan of February 22, 2011 for its broadband grant. NMORR previously approved \$1,885,382 and is now approving \$2,876,905, which results in an approval 100% of the revised award amount of \$4,762,287. The approval is as per the attached brief for the following areas:

Category	Prior Approval	February 22, 2011	Total
Personnel	\$465,062.00	\$379,168.00	\$844,230.00
Travel	\$80,000.00	\$5,200.00	\$85,200.00
Equipment	0.00	\$11,163.00	\$11,163.00
Supplies	\$253,970.00	\$29,549.00	\$283,519.00
Other	\$71,350.00	0.00	\$71,350.00
Contractual	\$1,015,000.00	\$2,451,825.00	\$3,466,825.00
Total	\$1,885,382.00	\$2,876,905.00	\$4,762,287.00

Any contracts must comply with ARRA requirements including Buy American (if applicable) and Davis Bacon (if applicable); 1512 reporting including the use of the centralized reporting system (NMORR); reporting of hours worked for the contractor and any subcontractors using the centralized reporting system; a requirement that any subcontracts must include compliance with all ARRA provisions.