

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

23-50-M09062

4. Report Date (MM/DD/YYYY)

07-14-2011

1. Recipient Name

State of Maine, ConnectME Authority

6. Designated Entity On Behalf Of:

State of Maine

3. Street Address

138 Statehouse Station,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

Augusta, ME 04333-0138

7. Project / Grant Period  
Start Date: (MM/DD/YYYY)

01-01-2010

7a. End Date: (MM/DD/YYYY)

12-31-2014

7b. Reporting Period End Date:

06-30-2011

9a. If Other, please describe:

NA

**10. Broadband Mapping**

10a. Provider Table

Number of Providers Identified	Number of Providers Contacted	Number of Agreements Reached for Data Sharing	Number of Partial Data Sets Received	Number of Complete Data Sets	Number of Data Sets Verified
0	0	0	0	0	0

10b. Are you submitting the required PROVIDER DATA by using the Excel spreadsheet provided by the SBDD grants office?  Yes  No

10c. Have you encountered challenges with any providers that indicate they may refuse to participate in this project?  Yes  No

10d. If so, describe the discussions to date with each of these providers and the current status

The project team has not entered into data sharing agreements with the following providers:

- ACS Telecom Inc.
- Broadview Networks Holdings, Inc.
- Bullseye Telecom
- Caprock Communications
- Cybertek Web Connection
- Hughes Network Systems
- Hussey Communications
- Level 3 Communications
- Matrix Telecom
- Mitel Netsolutions
- Paetec Communications
- Qwest Communications International, Inc.
- RCN Corporation
- Segtel
- SkyWay USA
- Utel (d/b/a Bay Ring Communications)
- Wholesale Carrier Services
- World Discount Telecommunications (WDT)

For more details, please refer to the Q2 Supplemental Answers Document.

10e. If you are collecting data through other means (e.g. data extraction, extrapolation, etc), please describe your progress to date and the relevant activities to be undertaken in the future

Community Anchor Institutions – The Community Anchor Institution (CAI) data set has been assembled from several different sources such as the State of Maine Office of GIS (MEGIS), State of Maine Office of Information Technology (OIT), NAVTEQ NAVSTREETS Points of Interest, the State of Maine Department of Health and Human Services (DHHS), the State of Maine Office of Risk Management, the State of Maine Emergency Management Agency, the University of Maine System, Maine School and Library Network (MSLN), Maine’s Research & Education Network (MaineREN), National Center for Education Statistics, and SteepleCom. The project team conducted an extensive phone survey task to collect broadband service data for the CAI records. As of 31-March-2011, the existence of broadband service has been captured for 3,326 out of 4,404 CAI records.

Third Party Commercial Data Sets – The project team has licensed the CoverageRight by State product from American Roamer for Maine. CoverageRight contains coverages for both mobile and fixed wireless providers. These coverages are being compared to coverages created from provider data submittals to help verify the extents of the served areas and could potentially infill areas where providers have not yet submitted data.

The project evaluated the MicroBuild Broadband Indicator product from Gadberry Group for Maine as well as a broadband pricing product for Maine from Telogical Systems. The project team determined that the products do not offer the level of information necessary to justify their costs.

10f. Please describe the verification activities you plan to implement

Provider Validation  
Speed Test Tool  
Field Verification  
Online Survey  
Mail Survey  
Telephone Survey  
Service Locations / Failed Service Locations  
FCC Form 477 Aggregate Data  
FCC Consumer Broadband Test (CBT) Data  
Third Party Commercial Data Sets  
Broadband Availability Website  
E911 ALI Database Report

For more details, please refer to the Q2 Supplemental Answers Document.

10g. Have you initiated verification activities?  Yes  No

10h. If yes, please describe the status of your activities

The project team has initiated the following verification activities:

Provider Validation  
Speed Test Tool  
Field Verification  
Online Survey  
Mail Survey  
Telephone Survey  
Service Locations / Failed Service Locations  
FCC Form 477 Aggregate Data  
Third Party Data Commercial Sets  
FCC Consumer Broadband Test (CBT) Data  
Broadband Availability Website

For more details, please refer to the Q2 Supplemental Answers Document.

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

The project team expects to initiate the following verification activity:

E911 ALI Database Report:

Due Date – The project team is prototyping a process that will geocode the records included in a E911 ALI database and link address counts to the streets in the GIS. The team intends to continue working on this process and plans to have it ready for use in third quarter of 2011.

## Staffing

10j. How many jobs have been created or retained as a result of this project?

5.24

10k. Is the project currently fully staffed?  Yes  No

10l. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed

NA

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

NA

10n. Staffing Table

Job Title	FTE %	Date of Hire
Executive GIS System Consultant	11	09/02/2009
Senior Project Manager	39	09/02/2009
Project Manager	56	09/02/2009
Project Coordinator	67	09/02/2009
Software Developer III	0	09/02/2009
Software Developer II	0	09/02/2009
Database Programmer	0	09/02/2009
Programmer	8	09/02/2009
GIS System Analyst III	100	09/02/2009
GIS System Analyst II	100	09/02/2009
GIS Technician III	14	09/02/2009
GIS Technician II	4	09/02/2009
GIS Technician I	74	09/02/2009
Senior Admin. Asst.	0	09/02/2009
GIS System Analyst III	17	09/02/2009
GIS System Analyst II	32	09/02/2009
Administrative Asst.	1	09/02/2009
GIS Analyst I	1	09/02/2009

Add Row

Remove Row

**Sub Contracts**

10o. Subcontracts Table

Name of Subcontractor	Purpose of Subcontract	RFP Issued (Y/N)	Contract Executed (Y/N)	Start Date	End Date	Federal Funds	In-Kind Funds
James W. Sewall	Mapping	Y	Y	09/09/2009	09/20/2012	3,485,000	228,754
James W. Sewall	Planning	Y	Y	08/24/2010	12/31/2014	436,000	111,633
Maine State Planning Office	Capacity Building	N	Y	01/31/2011	12/31/2014	777,452	155,236
Maine Department of Education	Technical Assistance	N	Y	02/11/2011	12/31/2014	690,040	250,457
GEM School Software - MEGIS	Web hosting - software	N	Y	01/20/2011	03/30/2015	90,000	0

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## Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,185,364 10q. How much Remains? \$3,793,128

10r. How much matching funds have been expended as of the end of last quarter? \$375,281 10s. How much Remains? \$968,554

### 10t. Budget Worksheet

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	\$67,670	\$275,134	\$342,804	\$0	\$18,166	\$18,166
Personnel Fringe Benefits	\$33,330	\$85,889	\$119,219	\$0	\$5,642	\$5,642
Travel	\$19,010	\$36,699	\$55,709	\$0	\$1,980	\$1,980
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$32,500	\$0	\$32,500	\$0	\$0	\$0
Subcontracts Total	\$3,986,140	\$119,038	\$4,105,178	\$1,185,364	\$2,500	\$1,187,864
Subcontract #1	\$3,485,000	\$228,754	\$3,713,754	\$0	\$0	\$0
Subcontract #2	\$436,000	\$111,633	\$547,633	\$0	\$0	\$0
Subcontract #3	\$777,452	\$155,236	\$932,688	\$0	\$0	\$0
Subcontract #4	\$690,040	\$250,457	\$940,497	\$0	\$0	\$0
Subcontract #5	\$90,000	\$0	\$90,000	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$685,380	\$826,885	\$6,167,675	\$0	\$44,016	\$44,016
Total Direct Costs	\$4,824,030	\$1,343,645	\$159,954	\$1,185,364	\$72,304	\$1,257,668
Total Indirect Costs	\$149,462	\$22,230	\$171,692	\$0	\$0	\$0
Total Costs	\$4,973,492	\$1,365,875	\$6,339,367	\$1,185,364	\$72,304	\$1,257,668
% Of Total	78	22	100	94	6	100

## Hardware / Software

10u. Has the project team purchased the software / hardware described in the application?  Yes  No

10v. If yes, please list

Speed Test Tool – The underlying technology for the Speed Test web application belongs to Ookla Networks. Ookla Networks received a one time fee to customize the tool for the State of Maine speed test web site and receives a yearly license fee.

Associated Cost – Customization fee: \$1,000.00; first year license fee: \$495.00; second year license fee: \$495.00

Database and Server Software Licenses – In order to host the Service Provider Data Upload web application and store the provider data submitted, licenses for Windows Server and for SQL Server, Standard Edition were acquired. To develop the provider data upload application, Adobe Flex was acquired.

Associated Cost – Windows Server & SQLServer, Standard Edition: \$4,369.92; Adobe Flex: \$498.00

Mobile Wireless Field Collection Units – Hardware and software were purchased for the mobile wireless field collection units. The hardware included laptops with mobile wireless USB connection modems/cards and the software included Microsoft Office applications and Microsoft Streets and Trips.

Associated Cost – Laptops and software: \$2,757.04; USB wireless air cards: \$1,856.25

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

The project team is reviewing options for a static map gallery website and plans to make a selection and execute its implementation during the third quarter of 2011.

10x. Has the project team purchased or used any data sets?  Yes  No

10y. If yes, please list

The project team licensed a third party road centerline data set for Maine. The NAVTEQ NAVSTREETS product was licensed to fill in those areas in the State of Maine that are not currently covered by the State's E911 roads data set. The Maine Office of GIS licensed product.

The project team licensed CoverageRight by State product from American Roamer for Maine. The American Roamer CoverageRight product for Maine has a 2 year license agreement at a fee of \$12,671.25. Thus far the Mapping project has paid the costs for the first year - \$6,335.63.

The project team has purchased residential and business address lists from InfoUSA. At this point the Mapping project has acquired 10,000 addresses from InfoUSA at a cost of \$650.00.

10z. Are there any additional project milestones or information that has not been included?  Yes  No

10aa. If yes, please list

State of Maine Broadband Availability Website

The State has deployed a public-facing website for mapping broadband availability. The website will returns potential broadband services when a user queries a location either by address or selection on the map. It also has a form to capture users' feedback.

Collaboration

The project team has been working with the five Native Nation tribes located in Maine. The team has determined that none of the Native Nations own any broadband service infrastructure but rely on commercial vendors. The team also acquired locations of their Community Anchor Institutions as well as GIS boundary data for their lands. The five Native Nation tribes are:

- Maliseet Houlton
- Passamaquoddy at Indian Township
- Passamaquoddy at Pleasant Point
- Penobscot
- Aroostook Band of Micmacs

The project team has also worked with several other parties including:

- NTIA
- FCC
- State of Maine ConnectME Authority
- State of Maine Public Utilities Commission
- State of Maine Office of GIS
- State of Maine Office of Information Technology
- State of Maine Department of Health and Human Services
- State of Maine Department of Education
- State of Maine Planning Office
- State of Maine Office of Risk Management
- State of Maine Emergency Management Agency
- State of Maine Emergency Services Communication Bureau
- State of Maine Legislators
- University of Maine System
- Maine School & Library Network
- Maine's Research & Education Network
- Maine Municipal Association
- Maine's Three Ring Binder Project
- Axiom Technologies' Washington County Education and Employment through Sustainable Broadband Adoption Project in Maine
- New England states SBDD grantees (New Hampshire, Connecticut, Massachusetts, Vermont, & Rhode Island)
- State of Washington SBDD grantee

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

The Mapping project team has encountered challenges in the following areas:

Provider Data Formats

State E911 Street Coverage

Misalignment between Year 2010 Census Blocks & Maine E911 Streets

Fixed Wireless Propagation Modeling

Middle Mile Locations

Resellers

Data Confidence Intervals

Assimilating Verification Findings  
CAI Broadband Service Information

For more details, please refer to the Q2 Supplemental Answers Document.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

The project team is in the planning stages for the implementation an online map gallery with static maps available for download. The team expect this site to be ready during the third quarter of 2011.

### 11. Broadband Planning

11a. Please describe progress made against all goals, objectives, and milestones detailed in the approved Project Plan. Be sure to include a description of each major activity / milestone that you plan to complete and your current status

The major activities for the Planning project are:

- Project Setup
- Data Gathering
- Data Analysis
- Needs Assessment
- Strategic Plan
- Program Implementation
- Measure Effectiveness
- Refine Strategic Plan

For more details, please refer to the Q2 Supplemental Answers Document.

Major activities for the Technical Assistance Project are:

Adult education programs were alerted to the forthcoming issuance of the Memoranda of Understanding and Teacher Nomination/ Enrollment. Contracts and agreements were put in place.

The MARTI Project was promoted in April at three major conferences; Technology by the Beach at Myrtle Beach, SC, the LINCS Partners Conference in New Orleans and a well attended workshop at the Commission on Adult Basic Education Conference in San Francisco. Information about the conferences is available online at [www.mainemarti.org](http://www.mainemarti.org)

Adult education programs in the state were provided an overview and the project at the Maine Adult Education Association Annual Conference at Colby College the end of June. For program recruitment began the first of July.

Major activities for the Capacity Building Project are:

2011Q2's activities focused on developing a list of potential members for the Broadband Capacity Building Advisory Task Force. The task force will consist of 6-8 high-profile, influential broadband users from around the state. Task force members will come from a variety of fields, including business, government, education, health care, and workforce/economic development. The contractor has begun work on compiling the inventory of existing and emerging uses of broadband in Maine as well as research into best practices and performance measures. Discussions around the desired structure of the web-based clearinghouse have begun. Due to the delayed start to the project, initial activities such as convening the task force and identifying a web developer for the clearinghouse are slightly behind schedule.

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

The Planning project team has encountered challenges in the following areas:

- Reaching Rural Residents
- Survey Returns
- Subscriber Counts

For more details, please refer to the Q2 Supplemental Answers Document.

11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning?  Yes  No

11d. If yes, please describe these anticipated changes. Please note that NTIA will need to approve changes to the Project Plan before they can be implemented

NA

### Funding

11e. How much Federal funding has been expended as of the end of the last quarter? \$0

11f. How much Remains? \$0

11g. How much matching funds have been expended as of the end of last quarter? \$0

11h. How much Remains? \$0

11i. Planning Worksheet

11i. Planning Worksheet						
Personal Salaries	\$0	\$0	\$0	\$0	\$0	\$0
Personnel Fringe Benefits	\$0	\$0	\$0	\$0	\$0	\$0
Travel	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Subcontracts Total	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #1	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #2	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #3	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #4	\$0	\$0	\$0	\$0	\$0	\$0
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0	\$0	\$0
Total Direct Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Indirect Costs	\$0	\$0	\$0	\$0	\$0	\$0
Total Costs	\$0	\$0	\$0	\$0	\$0	\$0
% Of Total	0	0	0	0	0	0

**Additional Planning Information**

11j. Are there any additional project milestones or information that has not been included?

NA

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

NA

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

NA

12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose set forth in the award documents.

12a. Typed or Printed Name and Title of Authorized Certifying Official

Lisa Leahy

12c. Telephone  
(area code, number, and extension)

12d. Email Address

Lisa.Leahy@maine.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

12e. Date Report Submitted  
(Month, Day, Year)

08-08-2011