

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number
23-50-M09062

4. Report Date (MM/DD/YYYY)
10-18-2010

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? 9. Report Frequency
 Yes Quarterly
 No 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

8. Reporting Period End Date:
(MM/DD/YYYY)
09-30-2010

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 |
|--------------------------------|-------------------------------|---|--------------------------------------|------------------------------|------------------------------|
| 53 | 53 | 38 | 2 | 31 | 5 |

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

ACS Telecom Inc. – The project team has been informed by ACS Telecom Inc. that they will not provide us their data without compensation even though they have executed an NDA. We received email confirmation of this from ACS Telecom Inc. on 18-Mar-10.

XpressAmerica Internet – The project team has been informed by XpressAmerica Internet that they have elected not to participate in this project. We requested written confirmation of this on 7-May-10 and did not receive anything in return.

Midcoast Internet Solutions – As a smaller service provider, Midcoast Internet Solutions has informed the project team that they want to participate and have submitted a partial data set but they are struggling to find the resources necessary to compile the requested data.

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), 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, and SteepleCom.

Third Party Data Sets – The project team is in the process of evaluating commercially available data sets that can be used to infill service information and to verify service coverages:

- American Roamer has the CoverageRight by State product. CoverageRight contains coverages for both mobile and fixed wireless providers. These coverages could be compared to coverages created from provider data submittals to help verify the extents of the served areas and to potentially infill areas where coverages have not yet submitted data.
 - Gadberry Group offers the MicroBuild Broadband Indicator product for Maine. The MicroBuild product provides broadband subscription data at either a Census Block or address point level. The subscription data can be used to cross check provider service areas and to help establish a baseline take-rate across the state.
 - Telogical Systems is offering a Broadband Pricing data set for Maine at Census Block group level. This data could be used one of the sources for pricing information as providers are not required to submit this as part of their mapping data submittal.
- The project team anticipates reaching a decision on these three data sets during the fourth quarter of 2010.

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 Data Sets

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
Service Locations / Failed Service Locations
FCC Form 477 Aggregate Data

For more details, please refer to the Q3 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 activities:

Mail Survey
Telephone Survey
FCC Consumer Broadband Test (CBT) Data
Third Party Data Sets

For more details, please refer to the Q3 Supplemental Answers Document.

Staffing

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

2.52

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 | 6 | 09/02/2009 |
| Senior Project Manager | 15 | 09/02/2009 |
| Project Manager | 23 | 09/02/2009 |
| Database Programmer | 1 | 09/02/2009 |
| Programmer | 13 | 09/02/2009 |
| GIS Analyst III | 100 | 09/02/2009 |
| GIS Analyst II | 39 | 09/02/2009 |
| GIS Technician III | 8 | 09/02/2009 |
| GIS Technician II | 14 | 09/02/2009 |
| GIS Technician I | 23 | 09/02/2009 |
| Senior Admin. Asst. | 0 | 09/02/2009 |
| Admin. Asst. | 1 | 09/02/2009 |
| GIS Analyst III | 9 | 09/02/2009 |

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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 |
|-----------------------|------------------------|------------------|-------------------------|------------|------------|---------------|---------------|
| NA | NA | N | N | 01/13/2010 | 01/13/2010 | \$0 | \$0 |

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$439,872 10q. How much Remains? \$4,538,620

10r. How much matching funds have been expended as of the end of last quarter? \$155,470 10s. How much Remains? \$1,213,365

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 | \$260,000 | \$263,629 | \$523,629 | \$0 | \$17,970 | \$17,970 |
| Personnel Fringe Benefits | \$130,000 | \$85,889 | \$215,889 | \$0 | \$0 | \$0 |
| Travel | \$24,010 | \$38,940 | \$62,950 | \$0 | \$0 | \$0 |
| Equipment | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Materials / Supplies | \$32,500 | \$0 | \$32,500 | \$0 | \$0 | \$0 |
| Subcontracts Total | \$3,697,140 | \$175,000 | \$3,872,140 | \$439,872 | \$0 | \$439,872 |
| 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 | \$685,380 | \$769,885 | \$1,455,265 | \$0 | \$137,500 | \$137,500 |
| Total Direct Costs | \$4,829,030 | \$1,333,343 | \$6,162,373 | \$439,872 | \$155,470 | \$595,342 |
| Total Indirect Costs | \$149,462 | \$10,492 | \$159,954 | \$0 | \$0 | \$0 |
| Total Costs | \$4,978,492 | \$1,343,835 | \$6,322,327 | \$439,872 | \$155,470 | \$595,342 |
| % Of Total | 79 | 21 | 0 | 8 | 11 | 9 |

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

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

N/A

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

10y. If yes, please list

Third party street 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 streets data set.

Potential third party data sets – The project team is evaluating several commercially available third party data sets from vendors including: DeLorme, Mitchell Geographics, American Roamer, InfoUSA, ID Insight, Gadberry Group, and Telogical Systems. The project expects to make a determination on which products to acquire by the end of the first quarter of 2011.

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

10aa. If yes, please list

Collaboration – The project team has been in contact with the five First Nations located in Maine. The team has determined that none of the First Nations own any broadband service infrastructure but rely on commercial vendors. The team also acquired their Community Anchor Institutions and where are they located as well as GIS boundary data for their lands. The five First Nations 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 in compiling the project's data sets 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 Office of Risk Management
- State of Maine Emergency Management Agency
- University of Maine System
- Maine Municipal Association
- Maine's Three Ring Binder Project
- Axiom Technologies' Washington County Education and Employment through Sustainable Broadband Adoption Project in Maine
- State of New Hampshire SBDD Grantee
- 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 project team has encountered challenges in the following areas:

Provider Data Formats

State E911 Street Coverage
Misalignment between Year 2000 Census Blocks & Maine E911 Streets
Fixed Wireless Propagation Modeling
Middle Mile Locations
Resellers
Data Confidence Intervals
Assimilating Verification Findings

For more details, please refer to the Q3 Supplemental Answers Document.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project
State of Maine Broadband Web Site – The State is scheduled to have a public-facing broadband availability website deployed and operational during the fourth quarter of 2010. The website will show service coverages as well as return potential broadband providers when a user enters an address. It will also have a form to capture users' feedback and provide static maps for download.

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

In early September, ConnectME executed a contract with the James Sewall to manage the Planning Project. A baseline needs assessment is underway. An initial set of survey questions has been developed and target audiences are being identified. There will be a survey for the public, community anchor institutions and health care providers. Public forums for gathering qualitative data have taken place in one location out of six around the state. Google Sites has been implemented for internal project communication between participants, this is not a public facing site. An economist has been brought on board and he has started the review of mapping data and preliminary economic modeling work. Various third party data providers are being researched to include addresses for mailed surveys.

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

None.

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

N/A

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

| Planning Budget Element | Federal Funds Granted | Proposed In-Kind | Total Budget | Federal Funds Expended | Matching Funds Expended | Total Funds Expended |
|---------------------------|-----------------------|------------------|--------------|------------------------|-------------------------|----------------------|
| 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?

N/A

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

N/A

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

N/A

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)

10-28-2010

Performance Progress Report
OMB Approval Number: 0660-0034
Expiration Date: 08/31/2010