# Performance Progress Report

## 1. Recipient Name
State of Maine, ConnectME Authority

## 3. Street Address
138 Statehouse Station,

## 5. City, State, Zip Code
Augusta, ME 04333-0138

## 4. Report Date (MM/DD/YYYY)
06-05-2012

## 2. Award Or Grant Number
23-50-M09062

## 7. Project / Grant Period
<table>
<thead>
<tr>
<th>Start Date: (MM/DD/YYYY)</th>
<th>End Date: (MM/DD/YYYY)</th>
<th>Reporting Period End Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-01-2010</td>
<td>12-31-2014</td>
<td>06-30-2012</td>
</tr>
</tbody>
</table>

## 10. Broadband Mapping

<table>
<thead>
<tr>
<th>Number of Providers Identified</th>
<th>Number of Providers Contacted</th>
<th>Number of Agreements Reached for Data Sharing</th>
<th>Number of Partial Data Sets Received</th>
<th>Number of Complete Data Sets</th>
<th>Number of Data Sets Verified</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

10a. Provider Table

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.  
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  
Segteld  
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:

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

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
Static Map Gallery Website
E911 ALI Database Report
Cable Franchise Listing

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
Static Map Gallery Website
E911 ALI Database Report
Cable Franchise Listing

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

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

NA

**Staffing**

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

4.14

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

10l. If no, please explain how any lack of staffing may impact the project's timeline 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?

4.14

10n. Staffing Table

<table>
<thead>
<tr>
<th>Job Title</th>
<th>FTE %</th>
<th>Date of Hire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Geographic Information Consultant</td>
<td>2</td>
<td>09/09/2009</td>
</tr>
<tr>
<td>Senior Project Manager</td>
<td>8</td>
<td>09/09/2009</td>
</tr>
<tr>
<td>Project Manager</td>
<td>40</td>
<td>09/09/2009</td>
</tr>
<tr>
<td>Project Coordinator</td>
<td>12</td>
<td>09/09/2009</td>
</tr>
<tr>
<td>Name of Subcontractor</td>
<td>Purpose of Subcontract</td>
<td>RFP Issued (Y/N)</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>----------------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>James W. Sewall</td>
<td>Mapping</td>
<td>Y</td>
</tr>
<tr>
<td>James W. Sewall</td>
<td>Planning</td>
<td>Y</td>
</tr>
<tr>
<td>State Planning Office</td>
<td>Capacity Planning</td>
<td>N</td>
</tr>
<tr>
<td>Maine Department of Education</td>
<td>Technical Assistance</td>
<td>N</td>
</tr>
<tr>
<td>GEM School Software</td>
<td>Collaboration Website</td>
<td>N</td>
</tr>
</tbody>
</table>

**Funding**

10p. How much Federal funding has been expended as of the end of the last quarter? $2,266,584
10q. How much Remains? $2,706,908
10r. How much matching funds have been expended as of the end of last quarter? $780,187
10s. How much Remains? $585,788
10t. Budget Worksheet

<table>
<thead>
<tr>
<th>Mapping Budget Element</th>
<th>Federal Funds Granted</th>
<th>Proposed In-Kind</th>
<th>Total Budget</th>
<th>Federal Funds Expended</th>
<th>Matching Funds Expended</th>
<th>Total Funds Expended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Salaries</td>
<td>$67,670</td>
<td>$275,134</td>
<td>$342,804</td>
<td>$0</td>
<td>$62,417</td>
<td>$62,417</td>
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<tr>
<td>Personnel Fringe Benefits</td>
<td>$33,330</td>
<td>$85,889</td>
<td>$119,219</td>
<td>$0</td>
<td>$21,541</td>
<td>$21,541</td>
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<tr>
<td>Travel</td>
<td>$19,010</td>
<td>$36,699</td>
<td>$55,709</td>
<td>$848</td>
<td>$7,871</td>
<td>$8,719</td>
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<tr>
<td>Equipment</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Materials / Supplies</td>
<td>$32,500</td>
<td>$0</td>
<td>$32,500</td>
<td>$5,160</td>
<td>$0</td>
<td>$5,160</td>
</tr>
<tr>
<td>Subcontracts Total</td>
<td>$5,478,492</td>
<td>$746,080</td>
<td>$6,224,572</td>
<td>$962,796</td>
<td>$27,800</td>
<td>$990,596</td>
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<tr>
<td>Subcontract #1</td>
<td>$2,486,500</td>
<td>$10,000</td>
<td>$2,496,500</td>
<td>$659,036</td>
<td>$5,800</td>
<td>$664,836</td>
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<tr>
<td>Subcontract #2</td>
<td>$430,000</td>
<td>$10,000</td>
<td>$440,000</td>
<td>$93,510</td>
<td>$0</td>
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<tr>
<td>Subcontract #3</td>
<td>$468,000</td>
<td>$0</td>
<td>$468,000</td>
<td>$120,000</td>
<td>$0</td>
<td>$120,000</td>
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<tr>
<td>Subcontract #4</td>
<td>$511,640</td>
<td>$99,038</td>
<td>$610,678</td>
<td>$75,250</td>
<td>$22,000</td>
<td>$97,250</td>
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<tr>
<td>Subcontract #5</td>
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<td>$0</td>
<td>$90,000</td>
<td>$15,000</td>
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<tr>
<td>Construction</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Other</td>
<td>$685,380</td>
<td>$826,885</td>
<td>$1,512,265</td>
<td>$230,638</td>
<td>$286,288</td>
<td>$516,926</td>
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<tr>
<td>Mapping Budget Element</td>
<td>Federal Funds Granted</td>
<td>Proposed In-Kind</td>
<td>Total Budget</td>
<td>Federal Funds Expended</td>
<td>Matching Funds Expended</td>
<td>Total Funds Expended</td>
</tr>
<tr>
<td>------------------------</td>
<td>-----------------------</td>
<td>------------------</td>
<td>--------------</td>
<td>-----------------------</td>
<td>------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Total Direct Costs</td>
<td>$4,824,030</td>
<td>$1,343,645</td>
<td>$6,167,675</td>
<td>$1,199,442</td>
<td>$405,917</td>
<td>$1,605,359</td>
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<tr>
<td>Total Indirect Costs</td>
<td>$149,462</td>
<td>$22,230</td>
<td>$171,692</td>
<td>$0</td>
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<td>$0</td>
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<tr>
<td>Total Costs</td>
<td>$4,973,492</td>
<td>$1,365,875</td>
<td>$6,339,367</td>
<td>$1,199,442</td>
<td>$405,917</td>
<td>$1,605,359</td>
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<tr>
<td>% Of Total</td>
<td>78</td>
<td>22</td>
<td>100</td>
<td>75</td>
<td>25</td>
<td>100</td>
</tr>
</tbody>
</table>

### 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; license fee for subsequent years: $495.00 per year.

**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.  

**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.

**Geoportal & Static Map Gallery Website** - The website was implemented based on James W. Sewall’s GeoPortal platform.  
Associated Cost – Implementation & customization fee: $8,000.00; 2011 Hosting Fee/Support/Maintenance fee: $3,000.00; 2012 Hosting Fee/Support/Maintenance fee: $4,800.00; 2013 Hosting Fee/Support/Maintenance fee: $4,800.00.

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

**NA**

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

10y. If yes, please list:

The project team determined that a third party road centerline data set was need to fill in areas where Maine towns were not yet participating in the State’s E911 program and were not covered by the State’s E911 roads data set. The project team selected the NAVTEQ NAVSTREETS product and the Maine Office of GIS licensed the product.

The project team licensed CoverageRight by State product from Mosaik Solutions (formerly American Roamer) for Maine. The Mosaik Solutions CoverageRight product for Maine has a 2 year license agreement at a fee of $12,671.25. The Mapping project has now paid the costs for the both years and will make a determination whether to extend or renew the license for this product.

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:

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

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
Independent Verification of Wired and Fixed Wireless Coverages
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 has identified 612 free public WiFi locations throughout the state. These hotspots have been compiled into a GIS data layer that will be included in the State's interactive broadband availability map.

The Address File Development project which was part of the supplemental and amended grant award has begun. The Maine Office of GIS has started building a statewide digital parcel data set. The digital parcels will then be used to construct street address points.

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.

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

<table>
<thead>
<tr>
<th></th>
<th>$0</th>
<th>$0</th>
<th>$0</th>
<th>$0</th>
<th>$0</th>
<th>$0</th>
<th>$0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Salaries</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Personnel Fringe Benefits</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Travel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 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**

The ConnectME Authority held its second statewide broadband summit (Maine Broadband Summit 2.0) on 1-March-2012. The summit was held jointly with Maine Municipal Association’s (MMA) yearly technology conference and the Maine GIS User Group (MEGUG) yearly conference. See the ConnectME Authority website (http://www.maine.gov/connectme/summit/Summit2.0.htm) for more information.
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.

<table>
<thead>
<tr>
<th>12a. Typed or Printed Name and Title of Authorized Certifying Official</th>
<th>12c. Telephone (area code, number, and extension)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lisa Leahy</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12b. Signature of Authorized Certifying Official</th>
<th>12d. Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submitted Electronically</td>
<td><a href="mailto:Lisa.Leahy@maine.gov">Lisa.Leahy@maine.gov</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12e. Date Report Submitted (Month, Day, Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08-17-2012</td>
</tr>
</tbody>
</table>