Performance Progress Report

1. Recipient Name
State of Maine, ConnectME Authority

2. Award Or Grant Number
23-50-M09062

4. Report Date (MM/DD/YYYY)
01-21-2011

6. Designated Entity On Behalf Of:
State of Maine

3. Street Address
138 Statehouse Station,

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

8. Final Report?
☐ Yes  ☐ No

9. Report Frequency
☐ Quarterly  ☐ Semi Annual  ☐ Annual  ☐ Final

7. Project / Grant Period
Start Date: (MM/DD/YYYY) 01-01-2010
End Date: (MM/DD/YYYY) 12-31-2014
Reporting Period End Date: 12-31-2010

9a. If Other, please describe:
NA

10. Broadband Mapping
10a. Provider Table

<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>
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</tbody>
</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.
Hussey Communications
Hughes Network Systems
SkyWay USA
Wholesale Carrier Services
Bullseye Telecom
Level 3 Communications
Matrix Telecom
Paetec Communications
Cybertek Web Connection
Utel (d/b/a Bay Ring Communications)
Caprock Communications
Mitel Netsolutions
Segtel
World Discount Telecommunications (WDT)

For more details, please refer to the Q4 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), 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. To collect the CAI broadband service information, the project team will be surveying each organization either by contacting the administrator of their systems (e.g. the Maine School & Library Network) or by phoning them individually.

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.

For more details, please refer to the Q4 Supplemental Answers Document.

PPR, Page 1 of 8
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

For more details, please refer to the Q4 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
Service Locations / Failed Service Locations
FCC Form 477 Aggregate Data
Third Party Data Commercial Sets

For more details, please refer to the Q4 Supplemental Answers Document.

10i. If verification activities have not been initiated please provide a projected timeline 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
Broadband Availability Website

For more details, please refer to the Q4 Supplemental Answers Document.

**Staffing**

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

3.66

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?

NA

10n. Staffing Table

<table>
<thead>
<tr>
<th>Job Title</th>
<th>FTE %</th>
<th>Date of Hire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive GIS System Consultant</td>
<td>6</td>
<td>09/02/2009</td>
</tr>
<tr>
<td>Senior Project Manager</td>
<td>12</td>
<td>09/02/2009</td>
</tr>
</tbody>
</table>
Project Manager 37 09/02/2009
Project Coordinator 24 09/02/2009
Software Developer III 2 09/02/2009
Programmer 15 09/02/2009
GIS System Analyst III 100 09/02/2009
GIS System Analyst III 4 09/02/2009
GIS Analyst II 100 09/02/2009
GIS Technician III 6 09/02/2009
GIS Technician II 31 09/02/2009
GIS Technician I 29 09/02/2009

### Sub Contracts

10o. Subcontracts Table

<table>
<thead>
<tr>
<th>Name of Subcontractor</th>
<th>Purpose of Subcontract</th>
<th>RFP Issued (Y/N)</th>
<th>Contract Executed (Y/N)</th>
<th>Start Date</th>
<th>End Date</th>
<th>Federal Funds</th>
<th>In-Kind Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>James W. Sewall</td>
<td>Mapping</td>
<td>Y</td>
<td>Y</td>
<td>09/09/2009</td>
<td>09/20/2012</td>
<td>13,485,000</td>
<td>228,754</td>
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<tr>
<td>James W. Sewall</td>
<td>Planning</td>
<td>Y</td>
<td>Y</td>
<td>08/24/2010</td>
<td>12/31/2014</td>
<td>436,000</td>
<td>111,633</td>
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</tbody>
</table>

### Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $623,616 10q. How much Remains? $4,354,875
10r. How much matching funds have been expended as of the end of last quarter? $236,754 10s. How much Remains? $1,110,675

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>
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<tbody>
<tr>
<td>Personal Salaries</td>
<td>$260,000</td>
<td>$263,629</td>
<td>$523,629</td>
<td>$0</td>
<td>$28,754</td>
<td>$28,754</td>
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<tr>
<td>Personnel Fringe Benefits</td>
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<td>$85,889</td>
<td>$215,889</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
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<tr>
<td>Travel</td>
<td>$24,010</td>
<td>$38,940</td>
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<td>$3,005</td>
<td>$3,005</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>
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<td>Materials / Supplies</td>
<td>$32,500</td>
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<tr>
<td>Subcontracts Total</td>
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<td>$175,000</td>
<td>$3,872,140</td>
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<td>Construction</td>
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<td>$0</td>
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</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; 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.  

- **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

NA

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 American Roamer CoverageRight product for Maine has a 2 year license agreement at a fee of $12,671.25. The Mapping project has paid the costs for the first year - $6,335.63.

So far 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

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 locations of their Community Anchor Institutions as well as GIS boundary data for their lands. The five First Nation entities are:  
- Maliseet Houlton  
- Passamaquoddy at Indian Township  
- Passamaquoddy at Pleasant Point  
- Penobscoit  
- Aroostook Band of Micmacs

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

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Performance Progress Report  
OMB Approval Number: 0660-0034  
Expiration Date: 12/31/2013
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 2000 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 Q4 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 Availability Website – The State is scheduled to have a public-facing website deployed and operational during the first quarter of 2011. The website will return potential broadband services when a user queries a location. 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.

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 Q4 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 Q4 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>
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<th>$0</th>
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<td>Personnel Fringe Benefits</td>
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<td>Travel</td>
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<td>Subcontracts Total</td>
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<td>% Of Total</td>
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</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

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.

<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>12e. Date Report Submitted (Month, Day, Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submitted Electronically</td>
<td>02-17-2011</td>
</tr>
</tbody>
</table>