**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

<table>
<thead>
<tr>
<th>1. Recipient Name</th>
<th>2. Award Or Grant Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>State of Maine, ConnectME Authority</td>
<td>23-50-M09062</td>
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</table>

<table>
<thead>
<tr>
<th>4. Report Date (MM/DD/YYYY)</th>
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<tbody>
<tr>
<td>01-25-2012</td>
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<table>
<thead>
<tr>
<th>6. Designated Entity On Behalf Of:</th>
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<tbody>
<tr>
<td>State of Maine</td>
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<table>
<thead>
<tr>
<th>3. Street Address</th>
<th>4. Report Frequency</th>
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</thead>
<tbody>
<tr>
<td>138 Statehouse Station,</td>
<td>Quarterly</td>
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</table>

<table>
<thead>
<tr>
<th>5. City, State, Zip Code</th>
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</thead>
<tbody>
<tr>
<td>Augusta, ME 04333-0138</td>
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<table>
<thead>
<tr>
<th>7. Project / Grant Period</th>
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<tbody>
<tr>
<td>Start Date: (MM/DD/YYYY)</td>
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<tr>
<td>End Date: (MM/DD/YYYY)</td>
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<table>
<thead>
<tr>
<th>7a. Reporting Period End Date:</th>
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<tbody>
<tr>
<td>12-31-2011</td>
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<tr>
<th>8. Final Report?</th>
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<tr>
<th>9. Report Frequency</th>
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<tbody>
<tr>
<td>☒ Quarterly</td>
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<table>
<thead>
<tr>
<th>10. Broadband Mapping</th>
</tr>
</thead>
</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>
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</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.
- 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
- Septel
- SkyWay USA
- Utel (d/b/a Bay Ring Communications)
- Wholesale Carrier Services
- 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:

For details, please refer to the Q4 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

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  
Mail Survey  
Telephone Survey  
Service Locations / Failed Service Locations  
FCC Form 477 Aggregate Data  
Third Party Commercial Sets  
FCC Consumer Broadband Test (CBT) Data  
Broadband Availability Website  
Static Map Gallery Website  
E911 ALI Database Report

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

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

Staffing

10j. How many jobs have been created or retained as a result of this project?  
4.82

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?  
4.82

10n. Staffing Table

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<thead>
<tr>
<th>Job Title</th>
<th>FTE %</th>
<th>Date of Hire</th>
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<tbody>
<tr>
<td>Executive GIS System Consultant</td>
<td>13</td>
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<tr>
<td>Senior Project Manager</td>
<td>11</td>
<td>09/02/2009</td>
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<tr>
<td>Project Manager</td>
<td>43</td>
<td>09/02/2009</td>
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<tr>
<td>Project Coordinator</td>
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<td>09/02/2009</td>
</tr>
<tr>
<td>Programmer</td>
<td>8</td>
<td>09/02/2009</td>
</tr>
</tbody>
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### Geographic Information System Analyst 3
- Name: Geographic Information System Analyst 3
- Position: Geographic Information System Analyst 3
- Date: 09/02/2009
- ID: 100

### Geographic Information System Analyst 3
- Name: Geographic Information System Analyst 3
- Position: Geographic Information System Analyst 3
- Date: 09/02/2009
- ID: 28

### Geographic Information System Analyst 2
- Name: Geographic Information System Analyst 2
- Position: Geographic Information System Analyst 2
- Date: 09/02/2009
- ID: 69

### Geographic Information System Technician 3
- Name: Geographic Information System Technician 3
- Position: Geographic Information System Technician 3
- Date: 09/02/2009
- ID: 61

### Geographic Information System Technician 2
- Name: Geographic Information System Technician 2
- Position: Geographic Information System Technician 2
- Date: 09/02/2009
- ID: 57

### Geographic Information System Technician 1
- Name: Geographic Information System Technician 1
- Position: Geographic Information System Technician 1
- Date: 09/02/2009
- ID: 60

### Software Developer 3
- Name: Software Developer 3
- Position: Software Developer 3
- Date: 09/02/2009
- ID: 4

### Senior Administrative Assistant
- Name: Senior Administrative Assistant
- Position: Senior Administrative Assistant
- Date: 09/02/2009
- ID: 1

### Geographic Information System Analyst 3
- Name: Geographic Information System Analyst 3
- Position: Geographic Information System Analyst 3
- Date: 09/02/2009
- ID: 100

### Geographic Information System Analyst 3
- Name: Geographic Information System Analyst 3
- Position: Geographic Information System Analyst 3
- Date: 09/02/2009
- ID: 28

### Geographic Information System Analyst 2
- Name: Geographic Information System Analyst 2
- Position: Geographic Information System Analyst 2
- Date: 09/02/2009
- ID: 69

### Geographic Information System Technician 3
- Name: Geographic Information System Technician 3
- Position: Geographic Information System Technician 3
- Date: 09/02/2009
- ID: 61

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- Position: Software Developer 3
- Date: 09/02/2009
- ID: 4

### Senior Administrative Assistant
- Name: Senior Administrative Assistant
- Position: Senior Administrative Assistant
- Date: 09/02/2009
- ID: 1

### Sub Contracts

<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>
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<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>
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<td>James W. Sewall</td>
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<td>Y</td>
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<td>Maine State Planning Office</td>
<td>Capacity Planning</td>
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<td>01/31/2011</td>
<td>12/31/2014</td>
<td>777,452</td>
<td>155,236</td>
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<td>Maine Department of Education</td>
<td>Technical Assistance</td>
<td>N</td>
<td>Y</td>
<td>02/02/2011</td>
<td>12/31/2014</td>
<td>690,040</td>
<td>250,457</td>
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</table>

### Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $1,628,320
10q. How much Remains? $3,350,172
10r. How much matching funds have been expended as of the end of last quarter? $656,242
10s. How much Remains? $687,593

### 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>
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</thead>
<tbody>
<tr>
<td>Personal Salaries</td>
<td>$67,670</td>
<td>$275,324</td>
<td>$342,994</td>
<td>$39,079</td>
<td>$25,397</td>
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<td>Personnel Fringe Benefits</td>
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<td>$119,219</td>
<td>$19,607</td>
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<td>Travel</td>
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<td>$36,699</td>
<td>$55,709</td>
<td>$500</td>
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<td>Subcontracts Total</td>
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<td>Subcontract #2</td>
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<td>Mapping Budget Element</td>
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<td>Total Budget</td>
<td>Federal Funds Expended</td>
<td>Matching Funds Expended</td>
<td>Total Funds Expended</td>
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<tr>
<td>Construction</td>
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<td>Other</td>
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<td>Total Direct Costs</td>
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<td>$1,224,607</td>
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<td>Total Indirect Costs</td>
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<td>$149,462</td>
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<td>21</td>
<td>100</td>
<td>67</td>
<td>33</td>
<td>100</td>
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</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. 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.

**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 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. 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 Q4 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 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
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 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 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

| Personal Salaries | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |

PPR, Page 5 of 7
### 11i. Planning Worksheet

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<td>Travel</td>
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<td>Equipment</td>
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<td>Total Direct Costs</td>
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<tr>
<td>Total Indirect Costs</td>
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<td>$0</td>
<td>$0</td>
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</tbody>
</table>

| % 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

The ConnectME Authority is planning its second statewide broadband summit. The Maine Broadband Summit 2.0 is scheduled to take place on 1-March-2012. The summit will be collocating with Maine Municipal Association's (MMA) yearly technology conference and the Maine GIS User Group (MEGUG) yearly conference.
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>
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<td>Submitted Electronically</td>
<td><a href="mailto:Lisa.Leahy@maine.gov">Lisa.Leahy@maine.gov</a></td>
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<th>12e. Date Report Submitted (Month, Day, Year)</th>
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