

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

06-50-M09001

4. Report Date (MM/DD/YYYY)

06-08-2012

1. Recipient Name

CA Public Utilities Commission

6. Designated Entity On Behalf Of:

N/A

3. Street Address

505 Van Ness Avenue,

8. Final Report?

Yes

No

9. Report Frequency

Quarterly

Semi Annual

Annual

Final

5. City, State, Zip Code

San Francisco, CA 94102

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

10-01-2009

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

09-30-2014

7b. Reporting Period End Date:

06-30-2012

9a. If Other, please describe:

N/A

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
245	245	75	0	75	75

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

As awareness of the project grows, particularly with the upcoming grant deadlines for the California Advanced Services Fund, we continue to add to the list of providers willing to share data with us.

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

We continue to make adjustments to AT&T data based on distance from nearest serving wire center since AT&T still submits speed data at the county level rather than census block level. We are also in the process of refining our mobile propagation modeling with the addition of a more accurate modeling tool.

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

We plan to release a beta version of our mobile testing application to the public so they can conduct their own mobile broadband tests. We will aggregate this data and visualize it as a layer in our interactive online map.

10g. Have you initiated verification activities? Yes No

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

We completed the first round of mobile broadband testing at the end of May. We had 8 testers drive over 35,000 miles and run mobile tests on four carriers (Verizon, AT&T, Sprint, and T-Mobile) at 1,200 locations throughout the state -- a mix of urban (23%), rural (67%), and tribal (11%). We also ran Glastnost tests at 5% of the locations to test for rate limiting. A report, along with the raw data, will be published in August.

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

Our next round of mobile testing is scheduled for September.

Staffing

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

15.52

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

N/A

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

14.00

10n. Staffing Table

Job Title	FTE %	Date of Hire
Assistant Information Systems Analyst (Specialist) CPUC	83	06/10/2010
Assistant Information Systems Analyst (Specialist)	100	06/10/2010
Research Analyst (GIS)	100	07/30/2010
Research Analyst (GIS)	100	02/15/2010
Grant Administrator	23	07/01/2010
Public Utility Regulatory Analyst (PURA)	97	01/03/2012
Program Manager/Trainer (Planning) Chico State University, Chico Research Foundation (Chico)	100	04/01/2010
Project Manager/Trainer	32	04/01/2010
Planning Analyst	83	04/01/2010
Programmer	98	04/01/2010
Project Manager/Trainer (Mapping) Chico	27	04/01/2010
GIS Analyst	72	04/01/2010
GIS Assistant	100	04/01/2010
GIS Assistant	100	04/01/2010
GIS Assistant	100	04/01/2010
GIS Assistant	89	04/01/2010
Programmer	57	04/01/2010
Associate Professor California State University, Monterey Bay (CSUMB)	15	07/15/2011
Assistant Professor	23	07/15/2011
Technical Coordinator	90	07/15/2011
Program Coordinator	20	07/15/2011
Student Assistant	43	07/15/2011

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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

California State University (CSU) Chico Research Foundation (Chico)	To undertake the data verification tasks and use the GIS expertise.	N	Y	04/01/2010	10/01/2014	1,362,927	50,000
CSU Chico	To manage the planning study for sustainable broadband adoption: promotion and awareness	N	Y	04/01/2010	10/01/2014	500,000	0
CSU Chico	Perform web hosting services, conduct outreach and technical support services to Native American communities, and perform Field Verification Testing for the wireless application being developed by our agency, CPUC.	N	Y	04/01/2010	10/01/2014	549,313	0
CSU Monterey Bay	Create a fully integrated testing software and database reporting program for proactive measurement of broadband speeds; design a database to store the results of performance testing and a database reporting program to record and update testing results.	N	Y	07/01/2011	10/01/2014	674,273	0

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$2,425,159 10q. How much Remains? \$5,556,145

10r. How much matching funds have been expended as of the end of last quarter? \$863,133 10s. How much Remains? \$1,139,917

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	\$2,009,215	\$1,076,831	\$3,086,046	\$341,343	\$539,080	\$880,423
Personnel Fringe Benefits	\$572,770	\$352,506	\$925,276	\$94,202	\$183,329	\$277,531
Travel	\$190,910	\$0	\$190,910	\$22,836	\$0	\$22,836
Equipment	\$1,757,819	\$62,501	\$1,820,320	\$867,684	\$62,501	\$930,185
Materials / Supplies	\$9,656	\$0	\$9,656	\$572	\$0	\$572
Subcontracts Total	\$3,086,513	\$50,000	\$3,136,513	\$1,030,135	\$0	\$1,030,135
Subcontract #1	\$1,362,927	\$50,000	\$1,412,927	\$381,750	\$0	\$381,750
Subcontract #2	\$500,000	\$0	\$500,000	\$515,750	\$0	\$515,750
Subcontract #3	\$549,313	\$0	\$549,313	\$0	\$0	\$0
Subcontract #4	\$674,273	\$0	\$674,273	\$132,635	\$0	\$132,635
Subcontract #5	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Other	\$190,220	\$461,212	\$651,432	\$721	\$78,223	\$78,944
Total Direct Costs	\$7,817,103	\$2,003,050	\$9,820,153	\$2,357,493	\$863,133	\$3,220,626

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Total Indirect Costs	\$164,201	\$0	\$164,201	\$67,666	\$0	\$67,666
Total Costs	\$7,981,304	\$2,003,050	\$9,984,354	\$2,425,159	\$863,133	\$3,288,292
% Of Total	80	20	100	74	26	100

Hardware / Software

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

10v. If yes, please list

The CPUC has purchased the software and equipment as listed in Attachments:

Q2 2012 Supplemental Answers Document 10V

Note the list is segregated between the original two year grant and supplemental grant

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

Please refer to Attachments: Q2 2012 Supplemental Answers Document 10W

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

10y. If yes, please list

TeleAtlas Wire Centers, Broadband Scout, Form 477 data for California.

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

10aa. If yes, please list

We are completing beta testing of the next release of the California Interactive Broadband Map (Release 1.3). We plan to push it live during the week of August 6. This update includes provider-specific and technology-specific coverage maps along with a tool that allows CASF applicants to draw a project area and download census and throughput data for that area.

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

N/A

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

We had one Broadband Council meeting in May and have a second one scheduled for August 14. The Council's three working groups are working on simplifying the process for placing equipment on state buildings and structures, re-furbishing state surplus computers, and lowering local barriers to deployment. We also continue to attend CASF consortia kick off meetings to explain the data collection & validation process and how to use the interactive map.

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

Please refer to the Attachments: Q12012 Supplemental Answers Document 11A

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

N/A

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? \$2,425,159 11f. How much Remains? \$5,556,145

11g. How much matching funds have been expended as of the end of last quarter? \$863,133 11h. How much Remains? \$1,139,917

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?

N/A

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

Please refer to response in 11b.

11I. 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

Robert Osborn

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

12d. Email Address

Robert.Osborn@cpuc.ca.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

07-30-2012