

U.S. DEPARTMENT OF COMMERCE

Performance Progress Report

2. Award Or Grant Number

06-50-M09001

4. Report Date (MM/DD/YYYY)

01-24-2012

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:

12-31-2011

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
892	658	49	19	53	72

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

No one has refused once we've connected with them.

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

With Wireless Internet Service Providers (WISP), we are using the maps on their web sites to adjust areas of availability. Also, we're changing the speeds for AT&T data, since AT&T submitted speed by county. First, for each census block/street segment, we compare to the Form 477 subscribers for the tract it is part of to see fastest tier reported, and if it's slower than AT&T reported for the county, we use the highest tiers up/down reported for the tech type. Then, we overlay TeleAtlas wire center data and apply a degradation model to further reduce speeds based on loop length.

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

We are working on a mobile application/drive test, the results of which (1st statewide results in 2Q-2012) to validate mobile wireless speeds submitted by providers.

10g. Have you initiated verification activities? Yes No

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

Some verification/validation performed on Round 4 data this quarter, but no changes to prior methods.

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

R5 validation will occur 2nd Quarter 2012.

Staffing

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

10.22

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

In January 2012, we hired a Regulatory Analyst. We expect to hire two (2) Regulatory Analysts and one (1) Staff Services Analyst in the upcoming quarter.

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

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10n. Staffing Table

Job Title	FTE %	Date of Hire
Assistant Information Systems Analyst (Specialist) (CPUC)	100	06/01/2010
Assistant Information Systems Analyst (Specialist) (CPUC)	100	06/01/2010
Research Analyst I (GIS) (CPUC)	100	07/30/2010
Research Analyst I (GIS) (CPUC)	100	02/15/2011
Financial Examiner (CPUC)	10	07/01/2010
Program Manager [Chico State University, Chico Research Foundation (Chico - Planning)	18	04/01/2010
Project Manager/Trainer (Chico - Planning)	100	04/01/2010
Planning Analyst (Chico - Planning)	16	04/01/2010
Programmer (Chico - Planning)	100	04/01/2010
Programmer (Chico - Planning)	97	04/01/2010
Project Manager/Trainer (Chico - Mapping)	21	04/01/2010
GIS Analyst (Chico - Mapping)	60	04/01/2010
GIS Assistant (Chico - Mapping)	40	04/01/2010
Programmer (Chico - Mapping)	16	04/01/2010
Associate Professor (California State University (CSU), Monterey Bay)	23	07/15/2011
Assistant Professor (CSU Monterey Bay)	11	07/15/2011
Technical Coordinator (CSU Monterey Bay)	83	07/15/2011
Program Coordinator (CSU Monterey Bay)	16	07/15/2011

Add Row

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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	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 Research Foundation	Refer to response in Question 11a.	N	Y	04/01/2010	10/01/2014	500,000	0
CSU Chico Research Foundation		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/ update testing results.	N	Y	07/01/2011	10/01/2014	674,273	0

Add Row

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? \$1,797,933 10q. How much Remains? \$6,183,371

10r. How much matching funds have been expended as of the end of last quarter? \$765,955 10s. How much Remains? \$1,237,095

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	\$2,436,672	\$1,076,831	\$3,513,503	\$218,918	\$467,644	\$686,562
Personnel Fringe Benefits	\$694,626	\$352,506	\$1,047,132	\$62,593	\$157,587	\$220,180
Travel	\$190,910	\$0	\$190,910	\$15,823	\$0	\$15,823
Equipment	\$1,757,819	\$62,501	\$1,820,320	\$767,211	\$62,501	\$829,712
Materials / Supplies	\$9,656	\$0	\$9,656	\$0	\$0	\$0
Subcontracts Total	\$2,537,200	\$50,000	\$2,587,200	\$665,000	\$0	\$665,000
Subcontract #1	\$1,362,927	\$50,000	\$1,412,927	\$361,750	\$0	\$361,750
Subcontract #2	\$500,000	\$0	\$500,000	\$303,250	\$0	\$303,250
Subcontract #3	\$674,273	\$0	\$674,273	\$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	\$190,220	\$461,212	\$651,432	\$722	\$78,223	\$78,945
Total Direct Costs	\$7,817,103	\$2,003,050	\$9,820,153	\$1,730,267	\$765,955	\$2,496,222
Total Indirect Costs	\$164,201	\$0	\$164,201	\$67,666	\$0	\$67,666
Total Costs	\$7,981,304	\$2,003,050	\$9,984,354	\$1,797,933	\$765,955	\$2,563,888
% Of Total	80	20	100	70	30	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: Q4 Supplemental Answers Document 10V

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

Please refer to the Attachments: Q4 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, State Assessors' Parcel Map, 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

N/A

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

We are going to use a new Google Map collaborative tool as a method for WISPs (and other small providers) to provide us their availability areas. The new tool allows polygons to be drawn, not just points.

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

Development on advanced version of interactive map proceeded. Release expected next quarter. We're focusing on increasing our contact list of WISPs, and on getting more accurate depictions of their service availability in R5.

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: Q4 Supplemental Answers Document 10W

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

Challenges continue in hiring, state budgeting, contracting and purchasing, which entail long and obscure state processes to overcome. We intend to submit a revised detailed project plan in 1Q-2012, when most hiring will be completed, to reflect milestones which may need to be shifted/alterd due to such delays.

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

Refer to response to Question 11b.

Funding

11e. How much Federal funding has been expended as of the end of the last quarter? \$1,797,933 11f. How much Remains? \$6,183,371
 11g. How much matching funds have been expended as of the end of last quarter? \$765,955 11h. How much Remains? \$1,237,095

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

Refer to response to Question 11b.

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

None

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

Zee Wong

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

12d. Email Address

zee.wong@cpuc.ca.gov

12b. Signature of Authorized Certifying Official

Submitted Electronically

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

02-22-2012