

**U.S. DEPARTMENT OF COMMERCE**

**Performance Progress Report**

2. Award Or Grant Number

06-50-M09001

4. Report Date (MM/DD/YYYY)

10-14-2010

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)  
10-01-2013

8. Reporting Period End Date:  
(MM/DD/YYYY)  
06-30-2010

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
93	93	0	30	37	65

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

Some contacted providers were non-responsive, some refused to cooperate, and others submitted partial data and stopped returning calls/ emails. Further research determined that nearly all those not responding were either pure resellers, or do not provision services in 10 days or less, thus not meeting the definition of broadband provider.

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 are collecting data that is available from other sources and that will be used in analyzing broadband data, e.g., location of tribal lands in California. But, we are not using alternate methods to collect broadband data.

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

N/A

10g. Have you initiated verification activities?  Yes  No

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

Started the process of creating individual provider maps. These maps will be sent to the providers for review, to assist in their second round submissions and in verifying the first round data. PDF maps of broadband availability with maximum upstream and downstream speeds were created for display and feedback at public events.

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

N/A

**Staffing**

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

4.15

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

We are in the process of evaluating applications for the two Research Analyst (RA) Geographic Information System (GIS) positions, and expect to have both positions filled by 8/15/10.

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

6.15

10n. Staffing Table

Job Title	FTE %	Date of Hire
Associate Information Systems Analyst (Specialist) [California Public Utilities Commission (CPUC)]	100	06/01/2010
Associate Information Systems Analyst (Specialist) (CPUC)	100	06/01/2010
GIS Assistant [Chico State University, Chico Research Foundation (Chico)]	26	03/01/2010
Project Manager/Trainer	14	01/01/2010
GIS Analyst (Chico)	21	01/01/2010
Programmer (Chico)	7	03/01/2010
GIS Assistant (Chico)	57	03/15/2010
Project Manager	90	01/01/2010

**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, Chico Research Foundation	The CPUC does not have resources necessary to undertake the data verification tasks associated with this grant program. Without the GIS expertise of CSU staff, the CPUC will not be able to complete the requirements of this federal grant program and will	N	Y	03/01/2010	10/01/2014	\$890,000	\$0

**Funding**

10p. How much Federal funding has been expended as of the end of the last quarter? \$431,250      10q. How much Remains? \$1,412,510

10r. How much matching funds have been expended as of the end of last quarter? \$367,958      10s. How much Remains? \$217,982

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	\$444,854	\$284,255	\$729,109	\$1,554	\$173,348	\$174,902
Personnel Fringe Benefits	\$142,352	\$90,961	\$233,313	\$23	\$53,886	\$53,909
Travel	\$13,660	\$0	\$13,660	\$522	\$0	\$522
Equipment	\$816,994	\$62,501	\$879,395	\$361,485	\$62,501	\$423,986
Materials / Supplies	\$0	\$0	\$0	\$0	\$0	\$0
Subcontracts Total	\$390,000	\$0	\$39,000	\$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	\$36,000	\$148,223	\$184,223	\$0	\$78,223	\$78,223
Total Direct Costs	\$1,843,760	\$585,940	\$2,429,700	\$363,584	\$367,958	\$731,542
Total Indirect Costs	\$0	\$0	\$0	\$67,666	\$0	\$67,666
Total Costs	\$1,843,760	\$585,940	\$2,429,700	\$431,250	\$367,958	\$799,208
% Of Total	76	24	100	54	46	100

## Hardware / Software

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

10v. If yes, please list

ArcGIS Server 9.3.1 Advanced Enterprise Annual Maintenance  
Additional GIS Workstations Package  
Cisco Switch for Load Balancer  
ArcInfo 9.3.1 Concurrent License  
ArcGIS Desktop Data Interoperability Extension  
ArcGIS Desktop 3D Analyst Extension  
ArcGIS Desktop Spatial Analyst Extension  
ArcGIS Desktop Geostatistical Analyst Extension

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

The following software/hardware is scheduled to be purchased at a later date as needed to transition web hosting of the state interactive map from CSU Chico to the CPUC:

ArcGIS 9.3.1 Enterprise GIS Servers 1 and 2 Maintenance Fees  
GIS Server 3  
ArcGIS 9.3.1 Enterprise GIS Server 3 Maintenance Fee  
GIS Server 4  
ArcGIS 9.3.1 Enterprise GIS Server 4 Maintenance Fee  
GIS SOC Maintenance (GIS Servers 1 and 2) -- MS SQL Server 2008 Software Assurance Fee  
GIS SOC Only Server 1  
GIS Data/Web Applications Outside Hosting  
Backup Solution for GIS Server 4: Barracuda Backup Appliance  
Backup Solution for GIS Server 4: Barracuda Load Balancer  
Backup Solution for GIS Server 4: SAN Storage SF  
Backup Solution for GIS Server 4 (SOM/SOC/DB): SAN Storage LA  
Backup Solution for GIS Server 4: Data Offsite Storage  
Backup Solution for GIS Server 4 (SOM/SOC/DB): 1 Yr Premium Support Fee for Barracuda 890 Backup Appliance  
Backup Solution for GIS Server 4 (SOM/SOC/DB): 1 Yr Instant Replacement Fee for Barracuda 890 Backup Appliance  
Backup Solution for GIS Server 4 (SOM/SOC/DB): 3 Yr. Energizer Updates for Barracuda 440 Load Balancer  
Backup Solution for GIS Server 4 (SOM/SOC/DB): 1 Yr Instant Replacement Fee for Barracuda 440 Load Balancer  
Network Upgrade Cost for New Cabling, Routers, Switches and Hubs  
ArcInfo 9.3.1 Concurrent License Maintenance Fee  
ArcEditor 9.3.1 Concurrent License Maintenance Fee  
ESRI Developer Network Subscriptions  
ESRI/TeleAtlas Data  
SQL Server 2008 Standard License  
SQL Server 2008 Standard License  
ArcGIS Server 9.3.1 Enterprise Advance Production Server License  
ArcGIS Server 9.3.1 Enterprise Advance Production Server License  
Parcel Mapping Data

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

10y. If yes, please list

We have acquired the rights to use certain data regarding locations of LEC Central Offices from TeleAtlas.

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

10aa. If yes, please list

CPUC continues to update its Community Anchor Institution data. These entities, as well as broadband providers serving these entities, were contacted to update the data with broadband service.

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

N/A

## 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

Task A: Determining and Reporting Broadband Adoption Rates:

Low, medium and high levels of Broadband Penetration were established for future planning efforts. 100% completion for the quarter.

Task B: Contact target groups and other Sustainable Broadband Adoption grant recipients to identify and share best practices, success stories, and adoption materials.

100% of 1st Round of Round 1 ARRA Broadband Sustainable Adoption Grants have been contacted.

Task C: Identify technology, local government, community-based organizations, and regional planning organizations to coordinate and distribute materials, statistics, and success stories.

All contacted groups have been apprised of CPUC On-line Wireline and Wireless Broadband Availability maps

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

Initial contacts with targeted institutions, grant recipients, and municipal organizations has been made but outside activities have indicated that they are not yet ready to discuss Broadband Adoption strategies this early. Continuing contact and communication with these organizations will continue to be pressed.

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? \$0

11f. How much Remains? \$500,000

11g. How much matching funds have been expended as of the end of last quarter? \$0

11h. How much Remains? \$0

### 11i. Planning Worksheet

Planning Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
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	\$500,000	\$0	\$500,000	\$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	\$500,000	\$0	\$500,000	\$0	\$0	\$0
% Of Total	100	0	0	0	0	0

### Additional Planning Information

11j. Are there any additional project milestones or information that has not been included?

No

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

N/A

11l. 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

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)

10-25-2010

Performance Progress Report  
OMB Approval Number: 0660-0034  
Expiration Date: 08/31/2010