

RECIPIENT NAME: University of California, Davis

AWARD NUMBER: 06-43-B10584

DATE: 04/30/2013

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

### QUARTERLY PERFORMANCE PROGRESS REPORT FOR SUSTAINABLE BROADBAND ADOPTION

#### General Information

<b>1. Federal Agency and Organizational Element to Which Report is Submitted</b> Department of Commerce, National Telecommunications and Information Administration	<b>2. Award Identification Number</b> 06-43-B10584	<b>3. DUNS Number</b> 047120084
<b>4. Recipient Organization</b>  University of California, Davis 1850 Research Park Drive, STE 300, Davis, CA 95618		
<b>5. Current Reporting Period End Date (MM/DD/YYYY)</b> 03-31-2013	<b>6. Is this the last Report of the Award Period?</b>  <input type="radio"/> Yes <input checked="" type="radio"/> No	
<b>7. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.</b>		
<b>7a. Typed or Printed Name and Title of Certifying Official</b>  Sandra Stevens	<b>7c. Telephone (area code, number and extension)</b>	
	<b>7d. Email Address</b>  smstevens@ucdavis.edu	
<b>7b. Signature of Certifying Official</b>  Submitted Electronically	<b>7e. Date Report Submitted (MM/DD/YYYY):</b>  04-30-2013	

**Project Indicators (This Quarter)**

**1. Please describe significant project accomplishments completed during this quarter (600 words or less).**

Access to Broadband Network: The California Telehealth Network (CTN) continues to make progress towards its mission of expanding access to broadband in underserved regions in the state. At the end of Q1 2013, 759 sites have access to the network. Of these, 227 sites have direct CTN connections and an additional 532 sites have access through the Corporation for Education Network Initiatives in California (CENIC) and logical connections. During Q2 2013, CTN will expand the list of broadband providers utilized and accelerate the pace of installations to meet the goal of 863 total connected sites by the end of August, 2013.

Model eHealth Communities: The Model eHealth Community (MC) awardees span 26 counties in rural, urban and suburban regions. All major telehealth equipment (\$4 million) has been purchased and delivered to participating sites. One of the three remaining telemedicine carts was installed in March 2013; the remaining two installations are scheduled for April 2013. Supplemental equipment, such as exam cameras, stethoscopes and otoscopes for telemedicine carts, in the amount of \$120,000 was ordered for 20 Model Community organizations. The final two MC site visits were conducted in February 2013 by the UC Davis and CTN team.

UC Davis project staff worked closely with the California Telehealth Resource Center to plan a Statewide Telehealth Summit for Model Community members. The Summit will bring together over 120 Model Community participants with representation from every Model Community. The content of the Summit will focus on sharing best and promising practices, financial sustainability, the role of health plans, technology and policy issues. All Implementation Support grants have been reviewed; a total of 35 grants were approved, 1 site declined due to internal clinic challenges, for a total of \$135,523. All Supplemental Equipment requests were reviewed; 20 sites received equipment to enhance the capability of their telemedicine carts and offer new health services..

eHealth Training: To date 775 individuals accessed the online eHealth Broadband Adoption Training courses. All of the eHealth courses for community colleges targeting nursing, medical assistant and computer science students are available for implementation. Continuing education course materials on Broadband Enabled HealthCare were finalized this quarter and will be available online for California nursing education credits. The online, self-paced tutorials for library staff continue to be available; in addition to the 107 individuals enrolled during previous quarters, 59 individuals registered in Q1 2013. Forty-two ExploreHealth kiosks have been installed in community anchor sites; eight are scheduled for installation. Progress has been made identifying qualified library field trainers through a temporary staffing placement agency specializing in library services. A project manager for the eHealth Trainings for Public Libraries outreach project was hired through the staffing agency. The project manager will train, schedule and provide oversight for four to ten library field trainers. Trainings will target libraries in rural and/or underserved areas in CA, and provide library staff with training to assist consumers accessing reliable health information via the internet.

**2. Please provide the percent complete for the following key milestones in your project. Write "0" in the Percent Complete column and "N/A" in the Narrative column if your project does not include this activity. If you provided additional milestones in your baseline report, please insert them at the bottom of the table. Figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please provide a narrative description if the percent complete is different from the target provided in your baseline plan (300 words or less).**

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2.a.	Overall Project	86	The baseline milestone for Q1 2013 was 95%. Variance from the milestone is due to the challenges outlined in #3 below.
2.b.	Equipment / Supply Purchases	-	Progress reported in Question 4 below
2.c.	Awareness Campaigns	-	Progress reported in Question 4 below
2.d.	Outreach Activities	-	Progress reported in Question 4 below
2.e.	Training Programs	-	Progress reported in Question 4 below
2.f.	Other (please specify):	-	Progress reported in Question 4 below

**3. Please describe any challenges or issues faced during this past quarter in achieving planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).**

Access to Broadband Network: Delays in the Federal Communications Commission (FCC)/Universal Services Administrative Company (USAC) approval process continue to delay site implementations. The final sites received USAC approval during Q1 2013. Installation will be implemented at these sites by the end of the second quarter 2013.

Model eHealth Communities (MCs): One of the lead agencies faced challenges working with their partner agencies due to internal challenges the partner agencies were facing (e.g. one hospital filed for bankruptcy and put their telemedicine program on hold). UC Davis began working more directly with the project partners of this Model Community which has been an effective strategy. Some Model Community hospital and clinic sites are facing challenges with launching new telehealth programs at the same time that they are launching electronic health record (EHR) systems which has resulted in slower than anticipated implementation of telehealth activities.

Scheduling difficulties postponed and/or cancelled Health Information Exchange (HIE) planning sessions with some Model Communities. In addition, scheduling conflicts caused a lower than expected turnout for one of the HIE training.

Comprehensive eHealth Training: Marketing the community college course work continues to be a challenge. Although the number of courses utilized and the number of students reached increased this quarter, the number of unique colleges offering course content continues to be low. In order to have a wider reach, especially with the nursing profession, the course Broadband Enabled Health Care has been developed and beginning in April Board of Registered Nursing (BRN) continuing education units (CEUs) will be offered for this online course. RN's will be able to earn 6 free CEU's by taking this self-study program. Identifying additional host sites for the remaining ExploreHealth kiosks continues to be a challenge. Demonstrations of the kiosks were offered at health fairs and conferences to promote interest for site placement.

Trainings targeting library staff in rural and underserved regions has been seriously delayed due to institutional and bargaining unit recruitment requirements. In Q1 2013 institutional approval was received to utilize a temporary library staffing agency to complete the duties assigned to the Library Field Trainer position. The agency presented an ambitious proposal utilizing a number of trainers throughout the state in order to maximize the impact in the remaining months of the project. Library Field Trainers will begin trainings in the field in May 2013.

**4a. In the chart below, please provide the requested information on your BTOP grant-funded SBA activities. Please also provide a short description of the activity (600 words or less). Figures should be reported cumulatively from award inception to the end of the most recent reporting quarter. Please ensure that the numbers of new household subscribers and business or community anchor institution (CAI) subscribers reflected in the "Total" row represent the unduplicated number of new subscribers that can be attributed to your SBA project as a whole.**

Name of the SBA Activity	Location of SBA Activity	Description of Activity (600 words or less)	Size of Target Audience	Actual Number of Participants	New Subscribers: Households	New Subscribers: Businesses and/or CAIs
See Attached Addendum	See Attached Addendum	Activities have been reported on the attached addendum	11,605,457	11,554,110	0	0
<b>Total:</b>			<b>11,605,457</b>	<b>11,554,110</b>	<b>0</b>	<b>0</b>

**4b. Please describe your method for determining the number of households, businesses, and/or (CAIs) subscribing to broadband as a result of your SBA programs (600 words or less).**

As stated in the original proposal, funding from the Federal Communications Commission (FCC) was estimated to allow enrollment of 863 Community Anchor healthcare sites to the California Telehealth Network for medical grade, secure access. Of these 575 will be medical and health care providers, 262 will be public safety entities, and 26 will be institutions of higher education. In addition to these healthcare sites, 55 community colleges and 480 libraries will be involved with the eHealth Training component.

**4c. Please provide a narrative explanation if the total number of new subscribers is different from the targets provided in your baseline plan (600 words or less).**

The targeted number of new subscribers (as defined in number 4b above) noted in the baseline plan for Q1 2013 was 1,250. At the end of March 2013 the total has grown to 956. In addition to the 759 CTN sites, 134 (88 unique anchor sites) are involved through the Model Community initiative. These sites include libraries, institutions of higher education, government and public safety facilities as well as non-profit organizations and tribal and non-CTN healthcare providers. 66 additional unique anchor sites participated in trainings for public libraries and other consumer health organizations; 29 unique sites had the ExploreHealth kiosk installed and 14 community colleges (unique sites) incorporated eHealth course content into existing curriculum.

**4d. Please provide the number of households and the number of businesses and CAIs receiving discounted broadband service as result of BTOP funds.**

Households: 0	Businesses and CAIs : 0
---------------	-------------------------

**Project Indicators (Next Quarter)**

**1. Please describe significant project accomplishments planned for completion during the next quarter (600 words or less).**

Access to Broadband Network: During the April thru June quarter CTN will expand the list of broadband providers utilized which will accelerate the pace of installations to meet the goal of 863 total connected sites by the end of August, 2013.

**Model eHealth Communities:** The Telehealth Summit will be held April 14-16, 2013, and 124 Model Community participants will be attending which, in addition to the formal presentations, will also provide a great opportunity for Model Community members to informally share lessons learned and discuss sustainability plans. Completion and successful demonstration of the HIE RapidPlanning Toolkit with Model Community participants is also planned for the next quarter.

**Comprehensive eHealth Training:** Two in-person eResources in Health trainings are scheduled for next quarter. The target audience for the trainings are health clinic and other community resource center staff. The trainings provide information for to assist consumers with identifying relevant and reliable health information via the internet. Consumer eHealth resources are also provided through the ExploreHealth kiosks. Site identification and successfully installation for the remaining ExploreHealth kiosks (19) will also be a focus for the next quarter.

In April 2013, the new Broadband Enabled Health Care self-study course will be offered for registered nurses (RNs); continuing education units (CEUs) for RNs will be offered and utilization will be monitored. It is anticipated that this course will be a popular offering as RNs search for cost and time effective mechanisms to obtain the CEUs required for maintaining licensure.

**Library Field Trainers (LFT)** will begin on-site trainings for library staff in rural and underserved locations throughout the state. The LFT Project Manager is working closely with the CA State Library to identify libraries that meet this criteria.

**2. Please provide the percent complete anticipated for the following key milestones in your project as of the end of the next quarter. Write "0" in the second column if your project does not include this activity. If you provided additional milestones in your baseline report, please insert them at the bottom of the table. Figures should be reported cumulatively from award inception to the end of the next reporting quarter. Please provide a narrative description if the planned percent complete is different from the target provided in your baseline plan (300 words or less).**

	Milestone	Percent Complete	Narrative (describe reasons for any variance from baseline plan or any other relevant information)
2.a.	Overall Project	95	The overall project baseline milestone was projected to be 95% complete by the end of June 2013. The project completion percentage (95%) is on target with the baseline projection. Reasons for any variance from the projection are outlined in number 3 below.
2.b.	Equipment Purchases	-	Milestone Data Not Required
2.c.	Awareness Campaigns	-	Milestone Data Not Required
2.d.	Outreach Activities	-	Milestone Data Not Required
2.e.	Training Programs	-	Milestone Data Not Required
2.f.	Other (please specify):	-	Milestone Data Not Required

**3. Please describe any challenges or issues anticipated during the next quarter that may impact planned progress against the project milestones listed above. In particular, please identify any areas or issues where technical assistance from the BTOP program may be useful (600 words or less).**

**Access to Broadband Network:** CTN will be deploying Site Outreach Consultants to address the new provider offerings to rural communities. The expectation is that these Consultants will be successful, however this is new territory and the success of the individuals and the uptake from the rural communities may be slower than anticipated.

**Model eHealth Communities:** One telemedicine cart that is currently not in use at one of the Indian Health Clinics will be relocated to another Indian Health clinic that has an immediate use for it.

**Comprehensive eHealth Training:** A new computer resource specialist was hired to oversee installation and maintenance for the ExploreHealth kiosks. The specialist will have to get up to speed quickly on site location information and software and hardware issues relating to the kiosk. Transition plans for kiosk maintenance post BTOP are also being developed as involvement by the current provider will end next quarter.

Scheduling conflicts have delayed demonstrations of the Health Information Exchange (HIE) RapidPlanning Toolkit for some MC participants. In partnership with California Health Information Partner Service Organization (CalHIPSO) additional resources will be made available to assist in scheduling and deployment of the HIE Toolkit and to document the overall effect of the demonstration for future revisions. As noted, due to the recruitment challenges encountered for the Library Field Trainer position, a temporary library staffing placement agency with UC Davis to complete the duties and activities assigned to the position. The timeframe for completion

RECIPIENT NAME:University of California, Davis

AWARD NUMBER: 06-43-B10584

DATE: 04/30/2013

OMB CONTROL NUMBER: 0660-0037

EXPIRATION DATE: 12/31/2013

will be a challenge. The staffing agency will be utilizing a cadre of experienced trainers to provide the maximum amount of trainings prior to the project end.

**Sustainable Broadband Adoption Budget Execution Details**

**Activity Based Expenditures (Sustainable Broadband Adoption)**

1. Please provide details below on your total budget, cumulative actual expenditures (for the period ending the current quarter), and cumulative anticipated expenditures (for the period ending next quarter) for each line item, including detailed disbursements of both matching funds and federal funds from project inception through end of this quarter (actual) or next quarter (anticipated). Actual and anticipated figures should be reported cumulatively from award inception to the end of the applicable reporting quarter.

Budget for Entire Project				Actuals from Project Inception through End of Current Reporting Period			Anticipated Actuals from Project Inception through End of Next Reporting Period		
Cost Classification	Total Cost (plan)	Matching Funds (plan)	Federal Funds (plan)	Total Cost	Matching Funds	Federal Funds	Total Costs	Matching Funds	Federal Funds
a. Personnel	\$1,813,352	\$986,604	\$826,748	\$1,517,764	\$891,200	\$626,564	\$1,599,917	\$935,760	\$664,157
b. Fringe Benefits	\$605,211	\$309,281	\$295,930	\$505,829	\$307,199	\$198,630	\$533,107	\$322,559	\$210,548
c. Travel	\$276,000	\$14,505	\$261,495	\$71,561	\$0	\$71,561	\$161,066	\$14,505	\$146,561
d. Equipment	\$4,875,000	\$1,275,000	\$3,600,000	\$4,705,820	\$1,326,710	\$3,379,110	\$4,705,820	\$1,326,710	\$3,379,110
e. Supplies	\$376,750	\$157,000	\$219,750	\$659,174	\$332,946	\$326,228	\$675,485	\$332,946	\$342,539
f. Contractual	\$2,299,778	\$1,052,312	\$1,247,466	\$1,597,499	\$375,054	\$1,222,445	\$1,640,701	\$393,807	\$1,246,894
g. Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
h. Other	\$2,363,135	\$828,625	\$1,534,510	\$1,956,252	\$762,014	\$1,194,238	\$2,088,597	\$784,351	\$1,304,246
i. Total Direct Charges (sum of a through h)	\$12,609,226	\$4,623,327	\$7,985,899	\$11,013,899	\$3,995,123	\$7,018,776	\$11,404,693	\$4,110,638	\$7,294,055
j. Indirect Charges	\$1,187,870	\$53,941	\$1,133,929	\$908,094	\$39,974	\$868,120	\$936,137	\$41,973	\$894,164
k. TOTALS (sum of i and j)	\$13,797,096	\$4,677,268	\$9,119,828	\$11,921,993	\$4,035,097	\$7,886,896	\$12,340,830	\$4,152,611	\$8,188,219

2. Program Income: Please provide the program income you listed in your application budget and actuals to date through the end of the reporting period.

a. Application Budget Program Income: \$0      b. Program Income to Date: \$0