U.S. DEPARTMENT OF COMMERCE	2. Award Or Grant Number
	15-50-M09057
Performance Progress Report	4. Report Date (MM/DD/YYYY)
	01-19-2011

1. Recipient Name	6. Designated Entity On Behalf Of:
Hawaii Department of Commerce and Consumer Affairs	N/A

3. Street Address	8. Final Report?	9. Report Frequency
335 Merchant Street,	◯ Yes ◉ No	◉ Quarterly ◯ Semi Annual ◯ Annual ◯ Final

5. City, State, Zip Code		
Honolulu, HI 96813-2921		

7. Project / Grant Period Start Date: (MM/DD/YYYY)	7a. End Date: (MM/DD/YYYY)	7b. Reporting Period End Date:	9a. If Other, please describe:
01-01-2010	12-31-2014	12-31-2010	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
0	0	0	0	0	0

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

**Hawaiian Telcom Communications & Oceanic Cable: Last-mile and middle-mile facility capacity and more specifically backhaul from the facilities has been deemed proprietary. Further, providers maintain that they do not have information documented in a form that they would be able to easily provide. – No information regarding this has been shared to-date by these providers.

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

Broadband coverage data for Hawaiian Telcom Communications has been extrapolated as a three-mile buffer from each Central Office location. For every other provider, the Hawaii Department of Commerce and Consumer Affairs ("DCCA") has obtained census block level information and coverage footprints from the wireless providers. Since the data is being provided at the census block level or via a coverage footprint from wireless providers, exact levels of service provided within these boundaries has been limited to a single tier of service per census block or wireless footprint. TW Telecom has furnished customer addresses which have been geocoded and inserted into the FCC file geodatabase model as appropriate.

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

**Coverage Verification via Website.

**CAI Verification by Telephone.

**CAI Verification by External Data Source Comparison.

**Provider Verification via Map Products.

**Speed Test Verification via Website.

**Speed Test Verification via FCC Ookla/MLabs.

**Provider Verification via Website.

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

**Coverage Verification via Website – In Progress.

**CAI Verification by Telephone – In Progress.

**CAI Verification by External Data Source Comparison – In Progress.

**Provider Verification via Map Products – In Progress.

**Speed Test Verification via Website – In Progress.

**Speed Test Verification via FCC Ookla/MLabs – In Progress.

**Note: These verification activities and direct updates from providers are anticipated to continue through the next data delivery date of April 1, 2011.

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

**Provider Verification via Website: Providers will also be able to access the maps of their data through a secure portal on the website. – Begin January 1, 2011, Complete June 1, 2011

**Note: The verification activities listed above and direct updates from providers are anticipated to continue through the next data delivery date of April 1, 2011.

Staffing

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

The project has resulted in the retention of the jobs named below from 10/01/2010 to 12/31/2010 (approximations based on 520 hours per quarter): This quarter, the following jobs were retained: Technical Project Manager (1.00 FTE), Systems Administrator (1.60 FTE), Data Processor/Software Engineer (3.00 FTE), Planning Consultant (0.10 FTE), and Web Designer/Application Developer (1.94 FTE), for a total of 7.64 FTE.

Subcontract- UH/PDC
Technical Project Manager   1.00 FTE
Systems Administrator   1.60 FTE
Data Processor/Software Engineer 3.00 FTE

Subcontract- RHD Consulting, LLC (Vendor)
Planning Consultant   0.10 FTE

Subcontract- Bump Networks, LLC (Vendor)
Web Designer/Application Developer 1.94 FTE

Total   7.64 FTE

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?

As a result of the overall SBDD project for five (5) years, the project expects to retain 28.64 FTE (5-year total). The number of FTE's

reported to ARRA (noted in item 10j above) reflects work performed in Q4-2010, predominantly in the mapping element in the amount of 7.64 FTE. This number may increase next quarter as the mapping element implements additional data collection and verification and the planning element gets underway. Note: The FTE percentages listed below have been rounded to the nearest whole number and represent Q4-2010 totals for the project.

10n. Staffing Table

Job Title	FTE %	Date of Hire
UH/PDC - Technical Project Manager #1 (existing, 1.0 FTE, Q4-2010)	100	01/01/2010
UH/PDC - System Administrator #1 (existing, 1.0 FTE, Q4-2010)	100	01/01/2010
UH/PDC - System Administrator #2 (existing, 0.6 FTE, Q4-2010)	60	01/01/2010
UH/PDC - Data Processor/Software Engineer #1 (existing, 1.0 FTE, Q4-2010)	100	01/01/2010
UH/PDC - Data Processor/Software Engineer #2 (existing, 1.0 FTE, Q4-2010)	100	01/01/2010
UH/PDC - Data Processor/Software Engineer #3 (existing, 1.0 FTE, Q4-2010)	100	01/01/2010
RHD Consulting LLC - Planning Consultant #1 (existing, 0.10 FTE, Q4-2010)	10	01/01/2010
Bump Networks LLC - Web Designer/Application Developer #1 (existing, 1.0 FTE, Q4-2010)	100	10/01/2010
Bump Networks LLC - Web Designer/Application Developer #2 (existing, 0.94 FTE, Q4-2010)	94	10/01/2010

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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
University of Hawaii Pacific Disaster Center (UH/PDC)	Technical Project Management,System Administration,Data Processing/Software Engineering, Planning Analysis,GIS Analysis, Database Administration, Broadband/IT Advisory, Technical Assistance Advisory	N	Y	01/13/2010	12/31/2014	4,349,940	0
BroadMap LLC	Software Processing,GIS Database Modeling, Verification	N	Y	01/13/2010	08/06/2010	250,549	0
Referentia Systems Inc.	Software/Security Systems Development	N	Y	11/16/2010	12/31/2011	124,973	0
RHD Consulting LLC	State Broadband Planning Consultant	N	Y	01/13/2010	12/31/2011	75,000	0
Bump Networks LLC	Web Application Design/ Content Management System/Application Integration/ Crowdsourcing Tools/ Multimedia Campaign and Outreach/Mobile Platform Development	N	Y	10/01/2010	01/30/2011	242,375	0

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $731,130   10q. How much Remains? $3,618,810

10r. How much matching funds have been expended as of the end of last quarter? $487,485   10s. How much Remains? $600,000

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	$0	$439,200	$439,200	$0	$0	$0
Personnel Fringe Benefits	$0	$153,720	$153,720	$0	$0	$0
Travel	$17,250	$4,000	$21,250	$0	$0	$0
Equipment	$342,780	$0	$342,780	$68,005	$0	$68,005
Materials / Supplies	$156,756	$3,080	$159,836	$7,895	$0	$7,895
Subcontracts Total	$3,833,154	$0	$3,833,154	$655,230	$0	$655,230
Subcontract #1	$3,015,230	$0	$3,015,230	$341,951	$0	$341,951
Subcontract #2	$250,549	$0	$250,549	$250,549	$0	$250,549
Subcontract #3	$250,000	$0	$250,000	$0	$0	$0
Subcontract #4	$242,375	$0	$242,375	$60,594	$0	$60,594
Subcontract #5	$75,000	$0	$75,000	$2,136	$0	$2,136
Construction	$0	$0	$0	$0	$0	$0
Other	$0	$487,485	$487,485	$0	$487,485	$487,485
Total Direct Costs	$4,349,940	$1,087,485	$5,437,425	$731,130	$487,485	$1,218,615
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$4,349,940	$1,087,485	$5,437,425	$731,130	$487,485	$1,218,615
% Of Total	80	20	100	60	40	100

Hardware / Software

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

10v. If yes, please list

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

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

**Note: The DCCA project team is continually procuring hardware and software to support the project. The hardware and software required to date has been purchased within the stated budget, mostly installed and configured in Q4-2010. Some of the costs will be reflected in the next quarterly (Q1-2011) report.

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

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

10y. If yes, please list

**InfoUSA: The project team has purchased InfoUSA data to verify the completeness of the CAI database. This data was purchased in Q4-2010 and within stated budget. – Cost was $1,440 and provides for the download of up to 12,000 records.

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

**NDA Execution with Providers: DCCA has encountered challenges in fully executing NDAs with providers and subcontracts under the grant. This has affected the signing of certain NDAs with data providers as well as subcontracts dealing with data processing and delivery. Subsequently, throughout this term, DCCA has experienced some delays in obtaining necessary information. However, to-date DCCA has been able to process data representing the overwhelming majority of broadband providers in the State of Hawaii. – DCCA continues to overcome these challenges through cooperation between the parties and improving process expediency.

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

Project is on schedule. Data to-date has adhered to the latest FCC file geodatabase model for the project.

The Planning portion of the project is underway. Planning information is being gathered to support the development of a 5-year Master Plan for broadband adoption and advancement as critical infrastructure in the State.

Per NTIA guidance, a Detailed Project plan is being drafted to support augmenting the project's mapping, planning and supplemental activities pursuant to DCCA's SBDD Supplemental Application submitted on July 1, 2010 and approved/amended on September 28, 2010 (Amendment No. 4).

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

**Planning Scope Approved: The Program Office approved the Planning Narrative and Budget for the State of Hawaii and Special Award Condition #17 was completed.– May 4, 2010 – Complete.

**Planning Consultant Engaged: The DCCA project team has negotiated a subcontract with its planning consultant RHD Consulting, LLC. – August 23, 2010 – Complete.

**Information Gathering for 5-Year Master Plan: Information gathering and analysis has started according to the approved work plan. – June 1, 2011 – In Progress.

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

**None: Thus far, the DCCA project team has not encountered any challenges or obstacles related to the Planning project plan.

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

Per NTIA guidance, a Detailed Project plan is being drafted to support augmenting the project's mapping, planning and supplemental activities pursuant to DCCA's SBDD Supplemental Application submitted on July 1, 2010 and approved/amended on September 28, 2010 (Amendment No. 4).

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
Personnel Fringe Benefits	$0	$0	$0	$0	$0	$0

11i. Planning Worksheet						
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?

**No additional project milestones or information to report this quarter.

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

**None: Thus far, the DCCA project team has not encountered any challenges or obstacles related to the Planning project plan.

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 Keone Kali	12c. Telephone (area code, number, and extension)
	12d. Email Address kkali@pdc.org
12b. Signature of Authorized Certifying Official Submitted Electronically	12e. Date Report Submitted (Month, Day, Year) 02-24-2011