

TWENTY-EIGHTH LEGISLATURE
STATE OF HAWAII
2014 REGULAR SESSION

Annual Report

on the

(1) Development and Expansion of Telework Initiatives

and

**(2) Receipt and Expenditure of Federal Moneys from
the American Recovery and Reinvestment Act (ARRA)**



CABLE TELEVISION DIVISION
DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS
STATE OF HAWAII

December 2013

Annual Report on the Development and Expansion of Telework Initiatives

This report is filed pursuant to section 440G-11.5(b), Hawaii Revised Statutes, which requires the director of the Department of Commerce and Consumer Affairs (DCCA) to submit an annual report to the Legislature “on the department’s efforts to use broadband and its products and services to develop and expand telework initiatives, including telework participation levels and trends of both private and public sector employees in Hawaii.”

DCCA has convened the Broadband Assistance Advisory Council (BAAC) as required under Act 199, Session Laws of Hawaii 2010. Pursuant to Act 199, as amended by Act 151, Session Laws of Hawaii 2011, the BAAC is to advise the director on, among other things, “policy and funding priorities to promote and encourage use of telework alternatives for public and private employees” and other states’ best practices involving telework promotion and policies. The BAAC has three working groups that were formed to address the distinct subject matter areas of permitting, adoption, and economics. DCCA has assisted these work groups in scheduling meetings, and in carrying out various activities designed to address their assigned areas of focus. Telework falls within the primary focus area of the Adoption Work Group. The Adoption Work Group has discussed telework as a potential solution to increase adoption of broadband, but has initially focused on fact-finding on how broadband is used and the barriers to adoption across the State.

Thus, as a precursor to the development of initiatives, DCCA is assisting the Work Group in collecting data on broadband adoption and usage throughout the State of Hawaii. Data is currently being collected through personal interviews as well as landline and cellular phone surveys for two categories of users: individual households and small businesses. Although these efforts seek a much broader understanding of broadband usage in the State and barriers to adoption, the surveys each include questions intended to provide data on broadband consumption for telework and demographics on broadband users.

Specifically, the survey on individual household Internet users collects data on the number of hours per week home Internet service is used for businesses purposes, and more specifically, if it is used for telecommuting or telework. If it is not currently used for such purpose, the Internet user is asked to rate their level of interest in telecommuting or telework. For business Internet users, the survey specifically asks if the Internet is used to enable employees to work at home instead of coming into the office. The survey also seeks information on the use of virtual offices connected by Internet, thus allowing for telework. Both sets of Internet users are also asked to identify motivations to upgrade to a higher speed Internet service.

The collected data will be used by DCCA and the Work group to identify and develop potential programs that could be used to increase telework participation in the State. As an example of a potential telework program, DCCA plans to coordinate with the State’s Office of Information Management and Technology as it develops, over the six months, its Virtual

Desktop Infrastructure pilot program, which may enable employees to use their own devices to complete work from locations outside of State offices, and will facilitate telework by employees.

**Annual Report on the Receipt and Expenditure of Federal Moneys from the
American Recovery and Reinvestment Act (ARRA)**

This report is filed pursuant to section 440G-11.5, Hawaii Revised Statutes, which requires the Department of Commerce and Consumer Affairs (DCCA) to report annually to the legislature “on the receipt and expenditure of federal moneys from the American Recovery and Reinvestment Act of 2009, and moneys from other federal appropriation measures or applicable federal acts, for the purposes of purchasing broadband facilities, services, or equipment or for entering into contracts for broadband-related projects by all state agencies for all state agencies approval.”

Exhibit 1, attached hereto, lists the ARRA grants for broadband-related projects, brief descriptions of the grant projects, and a listing of the receipt and expenditure of federal moneys through the last reporting quarter ending September 30, 2013.

EXHIBIT 1

STATE ENTITY	AWARD NUMBER	PROJECT NAME OR PROGRAM TITLE	DATE AWARD CLOSES	AWARD AMOUNT	ARRA FUNDS EXPENDED	BALANCE
BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM	DE-OE0000110	Enhancing State Government Energy Assurance Capabilities and Planning for Smart Grid Resiliency. The objectives of this initiative are to: 1) strengthen and expand State and local government energy assurance planning and resiliency efforts by incorporating response actions for new energy portfolios and Smart Grid applications; 2) create jobs, and 3) build in-house State and local government energy assurance expertise. The initiative focuses on building regional energy assurance capability to allow the State to better coordinate and communicate state-wide and with one another, on energy security, reliability, and emergency response issues.	8/14/2012	318,196	310,657	7,539
COMMERCE AND CONSUMER AFFAIRS	15-50-M09057	Hawaii Department of Commerce and Consumer Affairs: State Broadband Data and Development Grant Program. This grant is to assist the State of HI in gathering and verifying state-specific data on the availability, speed, location, and technology type of broadband services. This activity is to be conducted on a semi-annual basis between 2010 and 2014, with the data to be presented in a clear and accessible format to the public, government, and the research community. The data collected and compiled will also be used to develop publicly available state-wide broadband maps and to inform the comprehensive, interactive, and searchable national broadband map. The grant has been amended to extend data collection activities and to add 2 planning projects: State Broadband Capacity Building and Technical Assistance.	12/31/2014	4,349,940	3,042,990	1,306,950
TRANSPORTATION, HARBORS	2009-PU-R1-0165	American Recovery and Reinvestment Act Port Security Grant Program (ARRA PSGP). The purpose of the Port Security Grant Program is to create a sustainable, risk based effort to protect critical port infrastructure from terrorism, particularly attacks using explosives and non-conventional threats that could cause major disruption to commerce. This project will provide for security improvements including fencing, gates, barricades, transportation worker identification credential identification program, command information system program, surveillance systems, and other security related improvements at commercial harbor facilities.	8/31/2012	1,432,500	1,303,394	129,106
UNIVERSITY OF HAWAII SYSTEMS	963566	Enabling Hawaii to COMPETE: Seizing the Opportunity for Equitable Connectivity. Research has become progressively more data-intensive, highlighting a need for higher bandwidth network connections between Hawaii and the mainland to support the transfer of input and output datasets of increasing size, as well as the use of interactive visualization and computational steering. The project's broader impacts include the provision of infrastructure for research and education in science and engineering, with an impact both in the U.S. and internationally. For example, enhanced connectivity will not only promote research in the U.S. but also strengthen astronomical research in a number of countries around the world.	8/31/2012	9,838,151	9,838,116	34

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STATE ENTITY	AWARD NUMBER	PROJECT NAME OR PROGRAM TITLE	DATE AWARD CLOSES	AWARD AMOUNT	ARRA FUNDS EXPENDED	BALANCE
UNIVERSITY OF HAWAII SYSTEMS	1007033	Connecting the Islands: Cyber Connectivity for Science and Technology in Hawaii. This RII Inter- and Intra-Campus Cyber Connectivity (RII C2) award focuses on inter-campus and inter-island connectivity and seeks to provide new 10 Gbps connections among 4 specific locations. These connections are most critical to Hawaii's thriving EPSCoR program as well as to the overall Science and Technology (S&T) research and STEM education agendas in HI. The project will provide a ten-fold increase in capability among these key locations, and the design will be extensible in the future to all public higher ed. institutions in HI and other key S&T locations. The connectivity among campuses will enable essential access to high performance computing facilities at the Maui High Performance Computing Center (MHPCC), the new mass storage at UH-Manoa, the new visualization and modeling capacity at UH-Hilo (UHH), and STEM initiatives at Kapiolani Community College. It will also enhance more effective collaboration through emerging high definition videoconferencing among researchers across campuses and across disciplines throughout the state and beyond.	8/31/2012	1,176,475	1,176,406	69
UNIVERSITY OF HAWAII SYSTEMS	15-42-B10561	Access for All: Hawaii Statewide Public Computing Centers. Provide public computing facilities and wireless access in community colleges, public libraries and education centers on all islands throughout the State of Hawaii.	8/31/2013	1,949,360	1,939,141	10,219
UNIVERSITY OF HAWAII SYSTEMS	90BC0012	Hawaii County Beacon Community Consortium. The mission of the Hawaii County Beacon Community Consortium (HCBC) is to strengthen and use Health Information Technology (HIT) to continuously improve healthcare quality, cost-efficiency, and population health in Hawaii County. The vision of HCBC is a community where HIT is optimally used by all residents to make healthy choices and by all healthcare providers and organizations to provide evidence-based, appropriate, timely, accessible, cost-effective care.	9/30/2013	16,091,390	16,072,527	18,863
UNIVERSITY OF HAWAII SYSTEMS	NT10BIX5570140	Ke Ala 'Ike: Connecting Hawaii's Public Schools, Community Colleges, Universities and Libraries. Provide/upgrade fiber optic connections and associated networking equipment at all University of Hawaii Community colleges, universities and educational centers, all Hawaii Public Schools and all Hawaii Public Libraries.	2/28/2014	33,972,800	32,281,283	1,691,517
TOTAL				69,128,812	65,964,514	3,164,298