Broadband Non-Infrastructure Application
Submission to NTIA – Public Computer Centers

Submitted Date: 3/15/2010 2:36:35 PM	Easygrants ID: 5595
Funding Opportunity: Public Computer Centers	Applicant Organization: UNIVERSITY OF HAWAII SYSTEMS
Task: Submit Application - Public Computer Centers	Applicant Name: Dr. David Lassner

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A. General Application Information

1. Applicant Information	
Name and Federal ID for Applicant	
DUNS Number	965088057
CCR # (CAGE)	0W411
Legal Business Name	UNIVERSITY OF HAWAII SYSTEMS
Point of Contact (POC)	MICHAEL MORIMOTO 8089564908 Ext. mcmorimo@hawaii.edu
Alternate POC	MICHAEL MORIMOTO 8089564908 Ext. mcmorimo@hawaii.edu
Electronic Business POC	MICHAEL MORIMOTO 8089567800 Ext. mcmorimo@hawaii.edu
Alternate Electronic Business POC	YAA-YIN FONG 8089567800 Ext. yaayin@hawaii.edu

2. Name and Contact Information of Person to be Contacted on Matters Involving this Application:	
Prefix	Dr.
First Name	David
Middle Name	
Last Name	Lassner

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Suffix	
Telephone Number	808-956-3501
Fax Number	808-956-5025
Email	david@hawaii.edu
Title	VP for Information Technology and CIO

3. Additional Contact Information of Person to be Contacted on Matters Involving this Application:

Project Role	Name	Phone	Email
Secondary Point of Contact	Iris , Takamiya	8089565026	iris@hawaii.edu

4. Other Required Identification Numbers

Easygrants ID	5595
Funding Opportunity Number	500000
Catalog of Federal Domestic Assistance Number	BTOP CFDA Number: 11.557 BTOP CFDA Title: Broadband Technology Opportunities Program

5. Organization Classification

Type of Organization	State or State Agency
Is the organization a small business?	No
Does the organization meet the definition of a socially and economically disadvantaged small business concern?	No

6. Authorized Organizational Representative

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AOR	FONG, YAA-YIN
Result	Applicant Authorized

7. Project Title and Project Description

Project Title: Access for All: Hawaii Statewide Public Computer Centers

Project Description: This statewide Public Computing Center project will provide improved public broadband access throughout the State of Hawaii with 693 new computers at 66 locations on six islands. Partner sites include Hawaii's statewide community college system, their remote education centers and every public library in the State. A companion CCI proposal will enhance connectivity to all these locations.

8. Other Applications

Is this application being submitted in coordination with any other application being submitted during this round of funding?

➢ Yes

Easygrants ID	Project Title
5786	Ke Ala 'Ike: Connecting Hawaii's Public Schools, Community Colleges and Libraries

If YES, please explain any synergies and/or dependencies between this project and any other applications.
A companion BTOP Comprehensive Communities Infrastructure application, "Ke Ala 'Ike: Connecting Hawaii's Public Schools, Community Colleges and Libraries" (Easygrants ID: 5786) is also being submitted. This companion proposal will implement a fiber optic network backbone on every island and provide 1 Gbps connectivity to every public library (and public school) on every island, and 10 Gbps connectivity to every community college, university and public higher education site in the State. This would have immense statewide impact by interconnecting all of Hawaii's major community anchor institutions at world-class speeds internally, among themselves, and with the global Internet as well as Research and Education Networks.

"Access for All," this Public Computing Center proposal, will extend the benefits of this very high-speed anchor institution access to the public by providing 693 modern new connected

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computers, with appropriate accessibility for the disabled, in 66 mature public service locations on 6 islands throughout the State of Hawaii.

Project partners are prepared to implement this "Access for All" project even if the "Ke Ala 'Ike" infrastructure project is not funded. However, the public broadband access provided, particularly at the Public Libraries, will be significantly constrained without the capabilities that would be provided by "Ke Ala 'Ike."

9. Is the Applicant exempt from the Department of Commerce requirements regarding individual background screening in connection with any award resulting from this Application?

> ➢ Yes, Applicant is exempt because it is an accredited college or university

If the answer to the above question is "No," please identify each key individual associated with the Applicant who would be required to complete Form CD-346, "Applicant for Funding Assistance," in connection with any award resulting from this Application:

Name	Title	Employer

B. Executive Summary, Project Purpose and Benefits

Essay Question

10. **Executive Summary of the proposed project:**

The "Access for All: Hawaii Statewide Public Computer Centers" will provide 693 new public access broadband-connected computers in 66 public facilities, including community colleges, on 6 islands throughout the entire State of Hawaii. By focusing on Hawaii's community colleges, public libraries and remote education centers this project leverages substantial existing public resources and capabilities: physical, human and programmatic. In addition to providing resources for vulnerable populations throughout the State, the project will ensure available of accessible hardware and software in each of the 66 locations. A companion Comprehensive

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Community Infrastructure proposal would upgrade the broadband capabilities in all these locations as well as at every public school in the State.

We believe that Hawaii's statewide "Access for All" proposal is unique within the nation with its pervasive statewide scope. This project will help every public library in the State, as well as every community college and their remote education centers, by providing new broadband-connected computers for public access by vulnerable populations, including the disabled. This approach is particularly appropriate and feasible in a state like Hawaii with a high degree of administrative centralization: All community colleges in Hawaii and their remote education centers are part of the University of Hawaii System under one President and one Board of Regents, and all public libraries in the State are part of the Hawaii State Public Library System under one State Librarian and the statewide Board of Education.

The Hawaii Broadband Task Force, which was chaired by the primary applicant, issued its final report to the Governor and Legislature at the end of 2008. The Task Force recommended that "Government lead by example in demonstrating the value of broadband to our citizenry, deploying broadband services to the public, and ensuring that we do not leave behind the economically disadvantaged members of our communities who may be inhibited from full participation in the 21st century." While the current financial crisis has made it impossible for the State to financially invest in this vision, the "Access for All" project partners have taken this to heart and worked together to develop this proposal to create a statewide safety net for our most disadvantaged citizens on every island and throughout the State. This safety net will be used to help Hawaii's citizens improve their social, personal and economic well-being.

Consistent with the Hawaii Broadband Task Force Report, the Community TeleStructure Initiative's national "Fiber to the Library" initiative positions public libraries as "Community Technology Hubs" with three key roles: Early Adopter, Face of E-gov and First Responder. The public libraries of Hawaii have embraced all these roles as vital components of the public services that public computing facilities in well-connected libraries can offer.

Indeed, broadband networks and access to the Internet have become an essential component of today's public libraries and community colleges. At a time when millions of people have been laid off and have to make do with less, as many as 40% of Americans, often living in poverty with minimal education, have no Internet access. Others are giving jup their home Internet service subscriptions to manage difficult household budget challenges cause by the layoffs,

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furloughs and pay cuts common today in Hawaii. Because many employers are publishing job openings and accepting applications via the Internet, sometimes as the sole channel, the newly-unemployed, the disenfranchised, and others are increasingly looking to public computer centers in libraries and community colleges as their connection to the world of online information and services. The focus of this project is not so much to create jobs through the implementation of infrastructure, as with construction projects, but to provide infrastructure and services that support economic development and job fulfillment.

With similarly restricted budgets, health care and public safety agencies are also increasingly promoting digital technologies to educate and inform the public about health and safety issues. This is being brought home in Hawaii, where the State Department of Human Services has proposed to address its budget cuts by closing 31 physical public service intake centers on 6 islands and moving to centralized eligibility processing facilitated by online and other electronic communication and information systems. This kind of e-Gov application exemplifies the shift in demand for increased broadband and public Internet access from a "nice to have" to a "must have" capability in order for our citizens to survive if not thrive.

The public libraries of Hawaii have a rich tradition of providing public Internet access. Unfortunately, scarcity of resources has turned that commitment into something of a false promise. Patrons are routinely lined up outside public libraries before the doors open – not for books but for public Internet access. And aggressive time limits are used to share the limited current capabilities among those desperate for access. One additional benefit of the collaboration created through this proposal has been the willingness of Hawaii's community colleges to step up and agree to publicly offer public Internet access within their libraries and remote education centers.

By basing Hawaii's public computing centers in our public libraries, community colleges and remote education centers we will overcome the challenges faced by startup or standalone centers that may have limited infrastructure or may not be fully grounded in their communities. Our libraries and community colleges are already well-established and well-appreciated safety nets for the vulnerable and underserved throughout every island and region of Hawaii. These are anchor institutions in which education, training and outreach to challenged populations are core activities rather than add-on obligations. All the proposed centers have not only embraced, but relish the opportunity this project offers to help them better achieve their core missions of access to education, information and public services to improve the quality of life for Hawaii's citizens.

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The University of Hawaii, including its community colleges, and the Hawaii State Public Library System have extensive experience with all the networking and personal computer technologies required to implement this proposal. By agreement of all partners and the Hawaii Governor's Office, the University is the lead institution. The University has the greatest experience with the administration of federal contracts and grants and ensuring compliance, and commonly takes a leadership role in statewide technology planning and implementation. Each public computer center will have the authority and responsibility for the public services it provides within its geographic service area. To the extent any individual center may face a particular challenge, it will have full access both to its own statewide parent organization as well as to the full resources of this collaborative partnership to ensure success.

The 2008 census estimates the population for the State of Hawaii to be 1,299,198 and the total proposed cost of this project is estimated at $2,436,700. It is not much of an exaggeration to claim that by advancing all of Hawaii's public libraries and all of Hawaii's community colleges this project will touch virtually every resident of Hawaii, particularly those most in need, at a cost under $2 per person.

Finally, it should be noted that the companion Comprehensive Community Infrastructure proposal, is a similarly bold statewide initiative that would leapfrog Hawaii's community colleges, public libraries and public schools to national leadership where they could begin to demonstrate the full capabilities of advanced broadband for public education and service. This project would install or upgrade fiber at all 7 of Hawaii's community colleges as well as their remote education centers, all of Hawaii's public universities, every one of the 51 public libraries in Hawaii, and every one of the 287 public schools in Hawaii. By working closely together with the Executive Branch of the State of Hawaii, which enables these locations to access a unique dark fiber "institutional network" through the Cable Franchise agreements, the project partners have the opportunity to leverage the BTOP program for extraordinary statewide impact.

11.   Project purpose:

This Access for All: Hawaii Statewide Public Computer Centers project will increase and enhance broadband-connected public access computer capabilities in every public library and every community college and their remote education centers throughout the State of Hawaii on all islands. It will provide 693 additional public access workstations in 66 public computing center sites across the state, including ensuring ADA-compliant access at each location. In

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addition, it will incubate wireless capabilities in every state library to provide additional access and it will provide broadband training and education to try to ensure that no citizen is left behind.

The companion "Ke Ala 'Ike: Connecting Hawaii's Public Schools, Community Colleges and Libraries," proposal will provide and upgrade fiber optic connections to all these locations as well as every public school and public university in the State.

The December 2008 Hawaii Broadband Task Force Report to the Governor and Legislature recommended that "Government lead by example in demonstrating the value of broadband to our citizenry, deploying broadband services to the public, and ensuring that we do not leave behind the economically disadvantaged members of our communities who may be inhibited from full participation in the 21st century." While State funding has been unavailable to address this objective, BTOP provides the opportunity for Hawaii to provide the public throughout the State with improved access to computers with modern broadband access to allow them to advance themselves economically and educationally as well as participate in electronic government initiatives and access information to improve their health and well-being. This strategy unifies and moves forward the missions of Hawaii's primary public-facing service organizations, community colleges and their remote education centers and public libraries, which are already located in remote and underserved communities on all islands.

The Community TeleStructure Initiative's national "Fiber to the Library" initiative positions public libraries as "Community Technology Hubs" with three key roles: Early Adopter, Face of E-gov and First Responder. . The public libraries of Hawaii have embraced all these roles as vital components of the range of services that public computing facilities in well-connected libraries can offer. The public libraries of Hawaii have a rich tradition of providing public Internet access. Unfortunately, scarcity of resources has turned that commitment into something of a false promise. Patrons are routinely lined up outside public libraries before the doors open – not for books but for public Internet access. And aggressive time limits are used to share the limited current capabilities among those desperate for access.

One immense benefit of the collaboration created through this proposal has been the willingness of Hawaii's community colleges to step up and publicly agree to offer public Internet access within their libraries and remote education centers. Consistent with the BTOP statutory goals, this project will position Hawaii's statewide community colleges and their remote education

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centers as key enablers of community participation in the 21st-century broadband Hawaii, in all communities on all islands.

Utilizing these new public computer center capabilities, broadband education, awareness, and training will be provided to the general public in widely dispersed locations on every island throughout the state. Outreach services provided by the community colleges in their libraries and remote education centers, and at all public libraries on all islands, will foster increased awareness of the possibilities that broadband access can offer. In addition, these broadband capabilities will support more formal credit and non-credit community college education and training programs that help citizens prepare for new jobs and participation in modern social and economic practices.

Hawaii's community college education centers and public libraries are located in remote and rural locations in the State of Hawaii where access may be limited and where residents may not have the means to subscribe to available broadband access in their homes due to financial constraints. The public libraries or community college centers and remote education centers may be their only connection to the Internet. More workstations and higher speeds, particularly in the bandwidth-challenged public libraries as enabled by the companion Ke Ala 'Ike project, will allow access to the Internet's richer applications including interactive websites with online learning programs, streaming video, and downloads of e-books. Providing improved public access to Internet-based services will enhance lives throughout the State including reducing barriers of accessibility to technology that exist in rural areas of the state and for the disabled.

By basing Hawaii's public computing centers in our public libraries, community colleges and remote education centers we will provide an extremely cost-effective approach that overcomes the challenges faced by startup or standalone centers that have limited infrastructure and may not be fully grounded in their communities. Hawaii's public libraries and community colleges are already well-established and highly-appreciated safety nets for the vulnerable and underserved populace throughout every island and region of Hawaii. These are organizations for which education, training and outreach to challenged populations are core activities rather than add-on obligations. All the proposed centers have not only embraced, but relish this opportunity to better achieve their core missions of access to education, information and public services.

12.   **Recovery Act and Other Governmental Collaboration:**

The proposal requests only direct and indirect costs (under the proposer's federally

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approved rate) for out-of-pocket expenses. Even in spite of drastic budget cuts to the partners in the worst economic conditions in decades, all facilities, utilities, equipment installation, staffing and miscellaneous expenses will be covered by the partner institutions. Full 20% matching funds of $487,340.00 are proposed of the overall project cost of $2,436,700.00

Attachment 1 - UH Indirect Cost Rates, Exhibit A shows that the indirect cost based on federally approved rate is 25% of Modified Total Direct Costs for Other Sponsored Activities.

13. Technology Strategy:

Hawaii is unique among all 50 states with a single public higher education system (the University of Hawaii) that includes all community colleges, a single statewide public library system, and a single statewide public K12 education system. This structure has made institutional connectivity a critical means of sharing capabilities within organizations to maximize service levels and contain costs.

This "Access for All" project, and the companion Ke Ala 'Ike Comprehensive Community Infrastructure proposal, leverage the efficiencies and existing capabilities and approaches of these systems to dramatically advance broadband capabilities in anchor institutions and public access throughout the State in an extremely low-risk and cost-effective manner.

Our shared network technology strategy for this project is to implement a scalable fiber optic backbone network on each island connecting all community colleges, community college remote education centers, public libraries, public schools and public universities. This will be implemented through the companion "Ke Ala 'Ike: Connecting Hawaii's Public Schools, Community Colleges and Libraries proposal". In brief, dark fiber will be deployed by the (statewide) cable TV company at the direction of the State Dept of Commerce and Consumer Affairs, which requires this service as a condition of the cable TV franchise. A single backbone with wave division multiplexing will suffice on each neighbor island, while on Oahu, which has hundreds of public facilities, three separate fiber rings will service public education & libraries, higher education including community colleges and their education centers, and state government. Each organization will be able to manage its own IP network to meet its needs across each island and across the State. And all these organizations interconnect at the IP layer to share information, resources and communications. More information about the network

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technology strategy is provided in the companion Comprehensive Community Infrastructure proposal.

For this Access for All project, each of the 66 public computer centers will add local networking, computer, printer and accessibility capabilities as described in the attachments and consistent with current practices and capabilities. Each location has determined whether internal network and power upgrades are required as included in the project budget. The appropriate mix of workstation and laptop capabilities for each location is a matter of local choice. All equipment will be competitively procured on a centralized basis for each organization to maximize buying power and leverage support capabilities. As each of these locations already operates and supports broadband-connected general access computers, there will be no major surprises or risks associated with the dramatic enhancement of capabilities enabled by this Public Computer Center project.

Common software will be deployed on each workstation (web browser, office automation, security) to ensure a user-friendly experience. Each organization will extend its current security practices including use of anti-virus and anti-spyware software. Within the public libraries, CIPA-compliant filtering will ensure compliance with E-rate requirements. And within the community colleges and education centers, which are part of the University of Hawaii System, DMCA compliance support as required by the HEOA will be provided at the system level. Access to the public Internet is centralized by the two participating parent organizations and primary border security is provided at that level through firewalls and/or other protocol filtering.

14. Public Availability:

Community college libraries, public libraries and community college education centers are among the most available public service facilities in the State of Hawaii. These facilities are fully available to the general public without membership dues or fees. Most critically, these facilities all have fulltime knowledgable professional staffing, experienced in working with broadband services and vulnerable populations, and they have facilities in remote locations where many other public services are unavailable. While hours of availability are currently under great stress due to State budget cuts, all these institutions are attempting to maximize hours of public service. The vast majority of these sites are committed to maintaining or slightly increasing their hours of service to accommodate the expected increase public demand for the significant improvement in public broadband access that this project and its companion Comprehensive Community Infrastructure proposal will offer.

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Hawaii's public libraries provide a critical role as a safety net throughout the State for children, the homeless, elderly and economically disadvantaged. With their open door policies, the public libraries provide non-discriminatory access for all in a supportive environment. Hawaii's public libraries also offers via its website remote access to full-text online subscription databases, free downloads of e-books, e-music, and digital audiobooks, access to a unified catalog with 3.6 million items, and free intra-library loan service between 51 branches. Similarly, Hawaii's community colleges have a rich tradition as open-door institutions. While tuition is charged for formal credit and non-credit classes, the public computer facilities in the community college libraries and remote education centers are fully available to the public without charge in accord with their public service mission.

This proposal will provide 693 new public access broadband workstations in 66 public computing center sites on all major islands across the state. These sites are proposing to be a open a total of 2701 hours during the 120 hour business week and 248 total hours during the 48 hour weekend. On average, each site will offer 40.9 hours of weekday and 3.8 hours of weekend availability. Detailed information about each of the 66 public computer center site locations is provided in the PCC Details Attachment of this proposal.

In addition, the incubation of wireless access in public libraries will further enhance Internet availability for individuals using their own laptops.

15.   Restrictions on Center Use:

Users will agree to access the Internet using computers and connections in compliance with all Federal and State laws and with Internet policies, guidelines, and procedures.

The First Amendment to the U. S. Constitution does not protect all content. No public access computer may be used to view or display obscenity, child pornography, or other illegal content. The legal status of any particular content can be determined only by a court of law with proper jurisdiction.

A work protected by copyright law may not be copied without permission of the copyright owner unless the proposed use falls within the definition of "fair use." Customers are responsible for compliance with all state, national and international laws governing copyrighted materials.

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Prohibited behavior includes the use of computers for unauthorized access, including hacking, spamming, or other unlawful activities.

Users are not permitted to invade the privacy of other people or intrude upon their rights. Harassment of staff or other individuals is prohibited.

Other prohibited behaviors include, but may not be limited to: damaging or disrupting computer resources and networks; changing the settings and configurations of public access computers; installing software on public computers; use of computers for chat, game playing, and commercial audio and video downloads.

16.   **Involvement of Community College:**

Every community college in Hawaii and the community college education centers on every island are participating in this project.

Hawaii's community colleges provide the only "open-door" access to post-secondary education in the State; any high school graduate or citizen 18 years or older is eligible to enter the community college of their choice. Community college campuses and education centers on all islands are the most important institutions for both employed and unemployed individuals to advance their educational skills so they can participate fully in the workforce. These facilities serve as a gateway to the broader offerings of the entire University of Hawaii system. The use of distance learning and online technologies, facilitated by high-speed broadband, has become critical as the University and community colleges work to expand access to quality education for all of Hawaii's citizens. By leveraging these capabilities and the unique organization of higher education in the State within a single system, Hawaii's community colleges and their education centers provide the community with access to a large selection of associate, bachelor and graduate degree programs offered by sister colleges and universities on other islands. The proposed public computer capabilities are a vital component of providing access to these educational resources and services, particularly for those most in need who do not have access at home.

17.   **Is the applicant is seeking a waiver of the Buy American provision pursuant to section x.Q of the NOFA?**

➤ No

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18.   Is the applicant deliquent on any federal debt?

> No

> If Yes, justification for deliquency:

19.   Are you seeking a waiver of any requirement set forth in the NOFA that is not mandated by statute or applicable law?

> No

C. Partners

20.   Are you partnering with any other key institutions, organizations, or other entities for this project?
> Yes

If YES, key partners are listed below:

Project Role: Other Name: Burns, Richard Email: richard@librarieshawaii.org Address 1: 44 Merchant Street Address 2: Address 3: City: Honolulu State: Hawaii Zip Code: 96813 Organization: Hawaii State Public Library System Organization Type: State or State Agency Small business: No Socially and economically disadvantaged small business concern: No
Project Role: Other Name: Matayoshi, Kathryn Email: Kathryn_Matayoshi@notes.k12.hi.us Address 1: P.O. Box 2360 Address 2: Address 3: City: Honolulu State: Hawaii Zip Code: 96804

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Organization: Hawaii State Department of Education
Organization Type: State or State Agency
Small business: No
Socially and economically disadvantaged small business concern: No

Project Role: Other
Name: Sonobe, Clyde
Email: clyde.sonobe@dcca.hawaii.gov
Address 1: P.O. Box 541
Address 2:
Address 3:
City: Honolulu
State: Hawaii
Zip Code: 96809
Organization: State of Hawaii Executive Branch
Organization Type: State or State Agency
Small business: No
Socially and economically disadvantaged small business concern: No

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21. Description of the involvement of the partners listed above in the project.

By agreement of all partners, the Hawaii Governor's Office and Executive Branch, and in accord with Congressional Office discussions, the University of Hawaii System is the lead institution for Hawaii's broadband initiatives. The University works closely with the key partners to ensure a comprehensive and cost-effective statewide approach.

The University of Hawaii comprises all of public higher education in the State of Hawaii -- on all islands -- from open door community colleges to an R1 research university. The University of Hawaii System serves almost 60,000 students on 6 islands through through its 10 accredited campuses and the community colleges' remote education centers.

The University has the most experience of any entity in the State in administering federal contracts and grants and will serve as the direct applicant with primary responsibility for administration and compliance. By taking on this role and fully waiving eligible indirect costs, the University contributes to the projects and cost match. As the home of all community colleges and their education centers in Hawaii, the University will also be participating directly in "Access for All" at the operational level. (In addition, the University has the most experience

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in wide area optical network planning, deployment, and support, and serves as the lead on the companion "Ke Ala 'Ike" Comprehensive Community Infrastructure proposal.)

Every community college library and education center will have full authority and responsibility for the public computers in its facility, with support and guidance from the University of Hawaii's central offices. At the University System level the applicant works directly with the University Vice President for Community Colleges, who has direct oversight of all community colleges in Hawaii. Primarily leadership for this proposal and execution comes from a lead community college librarian and education center director, who each coordinate all activities with their colleagues on other islands.

Direct community relationships are highly localized. Each community college and education center and each public library works directly with the public they serve within their communities to ensure that service offerings meet the needs of their customers. The major partners work together on overall collaboration at the Executive level, including on external relations to public, private and federal supporters, partners and stakeholders.

The Hawaii State Public Library System (HSPLS) is the centrally-administered statewide system that operates all public libraries in Hawaii, currently 51 spread across the 6 major islands of the State. HSPLS provides overall support for their network planning, deployment, integration, monitoring, educational and training services, staff, outreach and facilities. A central library information system and shared public Internet access provides the libraries with highly leveraged efficiencies and economies of scale. HSPLS will manage its inter-library network and all aspects of the deployment and support of the computers provided and their support in all public libraries.

The State of Hawaii Executive Branch, headed by the Governor, partners primarily through the State Department of Commerce and Consumer Affairs (DCCA), which has been identified as the lead State agency for all aspects of advancing broadband in Hawaii. DCCA has statutory authority for the franchising of Cable TV in Hawaii and requires that the cable provider (which serves all islands) provide the State with dark fiber for an institutional network with a small number of free sites and others provided at cost. This is a remarkable capability that enables extremely cost-effect access to dark fiber for the State's community anchor institutions. Through these coordinated BTOP proposals, this fiber-based network capability will be scalably extended to every public library, public school, community college and public higher education site with high-speed connections on every island. Franchise fee funds provided by DCCA are also a

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critical element of the overall cost match for the Ke Ala 'Ike comprehensive community infrastructure proposal.

The Hawaii State Department of Education, a statewide school district with responsibility for all public schools in Hawaii, is also a major partner in the companion "Ke Ala 'Ike" Comprehensive Community Infrastructure proposal. However, they did not believe they could reasonably support widespread public Internet access in the schools and are therefor not participating in this "Access for All" Public Computing Center proposal.

D. Congressional Districts

22.   Applicant Headquarters

➢   Hawaii

23. Project Service States

Hawaii

24.   Project Service Areas

Hawaii - 1

Hawaii - 2

25. Will any portion of your proposed project serve federally recognized tribal entities?

➢   No

26.   Indicate each federally recognized tribal entity your proposed project will serve.

27. Have you consulted with each of the federally recognized tribal entities identified above?

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> No

E. Demographics

Demographics

28. **Will your proposed project be specifically directed to serve vulnerable population groups?**
> Yes

If "Yes" which vulnerable population groups will your proposed project serve? Check as many as apply:

Hispanic

Black/African-American

Asian

Native American or Native Alaskan

Native Hawaiian or Pacific Islander

English as Second Language (ESL)

Disabled

Low Income

Unemployed

Senior Citizen (55 and over)

Youth

Other:

29. **Vulnerable Populations**

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> ➤ Hawaii's community colleges, education centers and public libraries all serve these vulnerable populations through both broad and targeted programs of education, outreach and public service.

30. Accessibility

All proposed public computing centers are in public facilities for which ADA compliance is mandatory. Supportive staffing and training programs will ensure access for the traditionally underserved members of our communities, including the disabled.

The proposed budget includes support for at least one accessible workstation at every participating public computer center. These workstations will consist of wheelchair-accessible furniture and a workstation equipped with standard software for the visually impaired, such as JAWS and/or ZoomText.

In addition to the support of all proposed public computing center locations for the disabled, Hawaii's Library of the Blind and Physically Handicapped (LBPH) will be participating in this "Access for All" public computing center project. This LBPH public library branch was specifically created to serve the blind population throughout the entire state of Hawaii as well as the US Affiliated Pacific Islands. LBPH also services physically handicapped individuals (defined as those who cannot use regular print materials because of physical disability or weakness in their hands) and is a Regional Library for the Library of Congress' National Library Service for the Blind and Physically Handicapped, or NLS. As of summer 2009, BARD, which stands for Braille and Audio Recording Download was introduced. Those who wish to download NLS audiobooks and magazines must have a computer with high-speed Internet access so the books can be saved and read. This proposal will provide LBPH patrons with public broadband workstations within the library to access this and other valuable accessibility resources for the disabled.

31. Other Languages

Hawaii enjoys one of the most ethnically diverse populations in the nation, with a high percentage of native non-English speakers. HSPLS annually surveys the foreign language skills among its staff and makes this list available to assist library patrons who have limited English language skills. Currently, HSPLS staff are able to provide language assistance in 10-15 foreign languages, including American Sign Language, Cantonese, Mandarin, French, German, Hawaiian, Ilocano, Indonesian, Japanese, Korean, Samoan, Spanish, and Tagalog.

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Outreach

32. Public Computing Centers Outreach

The 66 statewide public libraries, community college libraries and education centers involved in by this "Access for All" Public Computer Center proposal are the major anchor institutions on all 6 major islands for public access in Hawaii. Because of their core missions, collaborations within systems, and individual stature and relationships within their communities, outreach is an established core competency. This is unlike the challenges associated with startup of a new public computing center or a standalone center.

These established anchor institutions are already well-known within their communities as primary safety nets and service points for their constituents. Demand for their existing equipment far outstrips supply. This proposal for expanding workstation numbers in these institutions, and the companion "Ke Ala 'Ike" comprehensive community infrastructure proposal for increased connectivity, are designed to address existing constraints that are already limiting public access to broadband and information services.

Once current limitations are addressed, the partners will implement an outreach campaign to increase awareness of the increased capacity of these institutions. This will include print press releases and flyers, radio PSAs, library and college websites, and television PSAs and public access programming. Project partners also plan to work with public service non-profits and other social service agencies within the State to ensure that targeted and underserved populations are aware of the new capabilities available to them through the proposed network of public computing centers.

33. How many total users do you expect to generate through the use of BTOP funds at your public computer center(s)?

➢ 160000

Training and Education

34. Peripherals and equipment

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Broadband workstations will consist of either a desktop or laptop computer as determined by the needs of the individual centers. Each location will include at least one ADA-compliant workstation with accessible furniture and software. Public computing centers in state public libraries will also be equipped with public-use laser printers, which are already available in community colleges. Wireless capability will be incubated at all public libraries, a capability that is also already available in community college libraries. Statewide purchasing will ensure standardized configurations to reduce purchase and operating costs.

35. Workstation software

Each public workstation will be minimally configured with: an Internet browser, office automation software (e.g., Microsoft Office), PDF reader and security software (anti-virus/spyware). ADA-compliant workstations and software will also be provided at each center. As required by the Child Internet Protection Act (CIPA), HSPLS must also install filters on all public Internet access computers; the product 8e6 filter is currently being used.

36. Training and education programs

This Access for All project will leverage the existing training and education capabilities of mature community college and public library programs throughout the State. Each has its own strengths.

Hawaii's community colleges and their remote education centers already provide the community with access to a large selection of associate, bachelor and graduate degree programs. The community colleges provide the only "open-door" post-secondary education in the State, and their campuses and education centers on all islands are the most important institutions for both employed and unemployed individuals to advance their educational skills to participate fully in the workforce. They also serve as gateways to the broader offerings of the entire University of Hawaii system, of which they are an integral part. The use of distance learning and online technologies is increasingly critical as the University and community colleges work to expand access to quality education for all of Hawaii's citizens, and nearly all these offerings rely on students having access to broadband for information and communication. Community collges also offer a variety of training programs to support their students and the public, many of whom are "at-risk." In most communities outside urban Honolulu, the community colleges are already the primary source of technology training. Within these facilities, the staff tend to be well-trained and highly conversant with the tools and techniques of broadband access, which they

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already use daily in the performance of their work. And they are highly experienced at providing one-on-one support of their customers, many of who are at-risk and have special needs.

Within the public libraries, training funds have been requested for the first two years of funding to familiarize 75 fulltime public library field staff in the five primary modules of the office automation software (spreadsheet, word processing, database management, personal information manager, and desktop publishing) that will be on installed in each public library computer. This will allow the library staff to provide support and training within their facilities to all public computer users. Training price estimates were assembled by surveying multiple local providers of software training. It is anticipated that the training may involve a combination of contracts with local vendors providing training currently to state employees, including the courses offered by the community colleges as part of their community training activities.

37. **If you are providing educational or training programs, how many people in total will these programs reach on an annual basis?**

   ➢ 75

38. **How many hours of training will be provided to each participant?**

   ➢ 40

39. **How many Full Time Employee (FTE) instructors or facilitators will you employ for these courses?**

   ➢ 2

F. Project Budget

40. Project Budget	
Federal Grant Request	$1,949,360
Total Match Amount	$487,340
Total Budget	$2,436,700
Match Percent	20.0%

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41. Projects Outside Recommended Funding Range:

> Not applicable - The total project budget is within the recommended funding range.

42. Sustainability:

The participating institutions are all public organizations for which provision of public access is a core mission. All are fully committed to maintain public access through their operating budgets and other creative approaches over the useful lifetimes of the hardware and software proposed.

Some of the centers have firm equipment replacement practices and funding streams. However, in the current budget conditions, which are driving pay cuts and layoffs of public employees throughout the State of Hawaii, it would be overly glib to suggest that normal replacement of equipment at the end of its normal lifetime is guaranteed. In desperate times we find that equipment is often kept in service through creative support approaches until it can be replaced.

Nonetheless, all partners are committed to maintain and expand the level of public access to the extent feasible in these uncertain financial conditions. All participants fully comprehend the vital importance of public computing and broadband access to their missions in the 21st century. While all are struggling, none of Hawaii's public libraries, community colleges or education centers can or will back away from their public service missions and the need for increasing support of modern networked information and communication technologies.

This commitment is demonstrated by the way that HSPLS and the community colleges have not "played victim" through the current economic crisis. To address today's unprecedented fiscal and staffing challenges, these public service organizations have aggressively increased efforts in fundraising, grant writing, and developing innovative partnerships at corporate, non-profit, and individual levels. Hawaii's public libraries in particular have launched successful advocacy campaigns in the community and will continually solicit the widespread support of library users across the state when needed. And in spite of continuing budget cuts, Hawaii's community colleges and education centers are now serving the highest enrollment ever in their 90-year history -- proof of the importance of these institutions in assisting their communities through difficult times.

43. Matching Funds

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Applicant is providing matching funds of at least 20% towards the total eligible project costs?	Yes
Describe the matching contributions	The match is provided by the University of Hawaii through complete waiver of all federally allowable indirect costs.
Unjust enrichment	No other federal support is proposed.
Disclosure of federal and/or state funding sources	No other direct funding sources are proposed.

44. Budget Narrative	
Budget narrative	Funding is requested only for the following: Public Use Computers ██████████ $1,039,500.00 Workstation Software ($100 x 693 units): $69,300.00 Public Use Printers (51 sites): $26,000.00 Training: (est $50,000/yr x 2 years): $100,000.00 Networking Switches ████████ $66,000.00 Electrical Site Work: $25,000.00 Visually Impaired Assistive Software ($2,000 x 66 sites:) $132,000.00 ADA Compliant Workstations ($1,500 x 66 sites): 99,000.00 Policy enforcement firewall software ████████: $35,700.00 3 year maintenance for policy software ████████ $12,240.00 WAP licenses ($400 x 51 units): $20,400.00 3 year maintenance for WAP licenses ████████: $7,140.00 Wireless Access Points ████████ $39,130.00 Network Controllers ████████ $209,100.00 3 year maintenance for controllers ████████ $68,850.00 Indirect Costs: $487,340.00 ------------- Total Proposal Amount: $2,436,700.00 Federal Funding Requested: $1,949,360.00 Matching Funds: $487,340.00

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	Computers are the heart of the public computing centers, and all software is the minimum required for security and access to standard public services as needed to assist job-seekers, those in need of health information, and individuals seeking to advance themselves educationally. Peripheral requests are modest, and networking switches and cabling is also requested for each location to provide broadband access to each workstation. A minimal number of new electrical outlets and related work are required for the public libraries in order to provide power to the new computers.

The proposed training is essential to ensure that staff are able to support the public access customers of these facilities.

The public library acquisition of wireless capability, including all necessary software, will further expand Internet availability for individuals using their own laptops within the libraries as well as outside library hours.

The proposal requests only direct and indirect costs in accord with federally approved rates. Even in spite of drastic budget cuts to the partners in the worst economic conditions in decades, all facilities, utilities, equipment installation, staffing and miscellaneous expenses will be covered by the partner institutions. Full matching funds are proposed. |
| **Budget reasonableness** | The number of computers proposed is actually below what the populations would suggest but has been limited by the availability of facilities. As described in the previous section, all costs are necessary and appropriate. All proposed expenditures are for commonly available goods and services, and will be competitive procured to guarantee reasonableness. |
| **Demonstration of need** | The proposed Public Computer Centers are all community anchor institutions of the State of Hawaii, with a high reliance on State funding to meet their public service missions. With a $2 billion budget shortfall, Hawaii is now facing the worst financial crisis since Statehood. All public service budgets are being slashed, and public |

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employees who have not lost their jobs have seen their pay reduced.

Without federal assistance this project would have no chance of taking place. Modest levels of private funds might enable minimal expansion of capacity in certain locations favored by benefactors. But nothing with statewide impact such as this project could take place in the foreseeable future. This opportunity to expand broadband access and public computer centers through federal support is a bright light of hope for these institutions struggling to address their core mission requirements for the 21st century.

It is for this reason that, even if these very difficult times, the key partners in this proposal are strongly advocating high-speed public broadband access as a means of providing economic stimulus and growth for the Hawaii's 21st century advancement in education, health, public safety, research & innovation and are willing to provide the substantial in-kind resources necessary to ensure success.

Without the proposed BTOP funding, Hawaii's public broadband access will continue to suffer and economic recovery will be prolonged as more citizenry are left without access to the vast resources that high-speed access to local resources and the Internet offer for a brighter future. Access will be inadequate, older computers will fail without replacement, and lower-speed connections in libraries will inhibit the public, particularly those in greatest need, from the benefits of full participation in 21st century society. This will ultimately prove costlier for society and much less satisfactory for the public.

45. Funds to States/Territories

States	Amount of Federal Grant Request
Hawaii	1,949,360

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Funds to States/Territories Total: $1,949,360

G. Historical Financials

46. Matching Funds			
	2007	**2008**	**2009**
Revenue	1,396,990,000	1,461,432,000	1,495,134,000
Expenditures	1,184,094,000	1,350,459,000	1,457,728,000
Net Assets	1,578,270,000	1,689,243,000	1,726,649,000
Change in Net Assets from Prior Year	212,896,000	110,973,000	37,406,000
Bond Rating (if applicable)	A+	A+	AA-

H. Public Computer Center Summary

47. Jobs	
How many direct jobs-years will be created from this project?	0
How many indirect jobs will be created from this project?	17
How many jobs will be induced from this project?	9

48. Methodology used to estimate jobs:

http://www.whitehouse.gov/administration/eop/cea/Estimate-of-job-creation

$2,436,700/$92,000 = 26

64% of 26 = 17
36% of 26 = 9

49. Proposed # of Public Computer Centers	
Schools (k-12)	0

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Libraries	51
Medical and Healthcare Providers	0
Public Safety Entities	0
Community Colleges	6
Public Housing	0
Other Institutions of Higher Education	9
Other Community Support Organization	0
Other Government Facilities	0

Total Proposed Public Computer Centers	66
Current Total Persons in Service Area	2559776

50. Minority Serving Institutions	
Historically Black Colleges and Universities	0
Tribal Colleges and Universities	0
Alaska Native Serving Institutions	0
Hispanic Serving Institutions	0
Native Hawaiian Serving Institutions	7
TOTAL MINORITY SERVING INSTITUTIONS	7

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51. Weekly Usage Summary	
Total Current # of Persons Served per 120-hour Business Week	122249
Total Proposed # of Persons Served per 120-hour Business Week	205697
Total Current # of Persons Served per 48-hour Weekend	16226
Total Proposed # of Persons Served per 48-hour Weekend	22688

52. Broadband Workstation Summary	
Number of Current Workstations proposed to be upgraded	0
Total Current # of Broadband Workstations	399
Total Proposed # of Broadband Workstations	1092
Average Current Facility Broadband Connection Speed	23.20 Mbps
Average Proposed Facility Broadband Connection Speed	23.20 Mbps

I. Project Readiness

53. Licenses and Regulatory Approvals

No licenses and regulatory approval are required for this project

54. Organizational Readiness

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Administratively, the University of Hawaii is a "Research 1" institution that currently runs at over $400m / year in extramural awards, mostly from the U.S. government. It is audited externally on an annual basis for compliance with all applicable federal requirements. As such, it is highly qualified to manage large federal projects. The proposed applicant is an experienced principal investigator who currently oversees the University's single largest contract, now at about $200m over 8.5 years.

From a technical and project management perspective, the University is often the lead among the participating institutions on large statewide projects.

As indicated by the letters of support from the highest levels of each organization, the partnership is firm and mature and all have worked together in the past. Each organization has extensive experience with all the networking and personal computer technologies required to implement both this Public Computing Centers and the companion Comprehensive Communities Infrastructure proposal. To the extent any individual center may face a particular challenge, it will have full access to its own sister centers, its statewide parent organization, and to the full resources of the partnership to ensure success.

See the attached Letters of Support from the Governor of Hawaii, University of Hawaii President, UH Vice President for Community Colleges, State Librarian and Superintendent of Education.

55. Project Timeline and Challenges

This project is quite simple relative to the kinds of activities the partners are routinely accustomed to undertake. No significant challenges or risks are antiticipated.

All timelines below are relative to when the award is accepted. Note that this is not lock-step, so, for example, centers that don't require facilities modifications or significant internal network enhancements may be a quarter of two ahead of centers that have more work to do to expand public access.

Q1 -
Competitive procurement of contractors for facilities modifications (e.g. electrical outlets)
Competitive procurement of hardware and software

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Q2 -
Implementation of facilities modification and internal network infrastructure
Acquisition of hardware and software

Q3 -
Implementation of new public workstations
Competitive selection of trainers

Q4 -
Complete implementation of public workstations
Provide training at public computer centers

While we expect the project to be fully implemented within 12 months, we have proposed a two-year deadline to accommodate any schedule slippage.

56. SPIN Number

J. Environmental Questionnaire

57.   Does this PCC application have construction or ground disturbing activities?

No

If no, please answer the questions below. If yes, please do not answer the questions below and instead proceed to the next page to answer the expanded environmental questionnaire.

58. Does the proposed action involve the procurement of materials? If so, will the materials be installed, stored or operated in an existing building or structure? If yes, please click "Add" to include the list of equipment and peripherals to be procured.

Yes

Computers
  Printers
  Networking Switches
  Cabling

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Wireless Access Points
Network Controllers

59. Does the proposed action involve procurement of electronic equipment? If yes, will the equipment be disposed of in an environmentally sound manner at the end of its useful life?

Yes

60. Does the proposed action involve construction, remodeling, or renovation? If so, will these activities be limited to only minor interior renovations to a structure, facility, or installation? If yes, click "Add" to include a description of the proposed renovations with your project summary.

Yes

A minimal number new electrical outlets and related work are required for the public libraries to provide power to the new computers.

Network wiring will be installed at each location to provide broadband access to each workstation.

61. Does the proposed action involve the production and/or distribution of informational materials, brochures, or newsletter?

Yes

62. Does the proposed action involve training, teaching, or meeting facilitation at an existing facility or structure? If yes, click "Add" to explain.

Yes

Training and teaching are absolutely integral activities within the proposed public computing centers: community colleges, public libraries and remote education centers.

63. Does the proposed action involve ground or surface disturbance to accommodate new fiber optic cable? If yes, please click "Add" to include a description of the extent of service upgrade, a list of the permits required, and linear footage of underground fiber optic cabling required.

No

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64. **Does the proposed action involve an upgrade of broadband service to an existing facility or structure? If yes, please include a description of the extent of service upgrade, a list of the permits required, and linear footage of underground fiber optic cabling required?**

No

(Broadband infrastructure for all these locations will be provided and/or enhanced through the companion Ke Ala ʻIke Comprehensive Community Infrastructure project.)

K. Environmental Questionnaire – Part 2

65. **Project Description**

66. **Property Changes**

67. **Buildings**

68. **Wetlands**

69. **Critical Habitats**

70. **Floodplain**

71. **Protected Land**

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72. **Coastal Area**

73. **Brownfield**

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Uploads

The following pages contain the following uploads provided by the applicant:

Upload Name	File Name	Uploaded By	Uploaded Date
Management Team Resumes and Organization Chart	Management_Team_Resumes_and_Org_Chart.pdf	Lassner, David	03/09/2010
Government and Key Partnerships	Government and Key Partnerships.pdf	Lassner, David	03/12/2010
Historical Financial Statements	UH_Consolidated_Financial_Statements.pdf	Lassner, David	03/09/2010
Public Center Detail	PCC Public Center Detail.xls	Lassner, David	03/12/2010
Detailed Budget	PCC Detailed Budget.xls	Lassner, David	03/12/2010
BTOP Certifications	PCC BTOP Certifications Attachment.pdf	Lassner, David	03/11/2010
SF424 Budget (A or C)	PCC SF-424 A Budget.pdf	Lassner, David	03/12/2010
SF424 B and D Assurances	PCC SF-424 B Assurances.pdf	Lassner, David	03/11/2010

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Supplemental Information	Attachment 1 - UH Indirect Cost Rates.pdf	Lassner, David	03/09/2010

DAVID LASSNER
Vice President for Information Technology & Chief Information Officer
University of Hawaii

Education

Ph.D. in Communication and Information Sciences - University of Hawaii
M.S. in Computer Science - University of Illinois at Urbana-Champaign
A.B. in Economics - University of Illinois at Urbana-Champaign

Employment

Vice President for Information Technology & Chief Information Officer;
    University of Hawaii: 2007 -
Chief Information Officer; University of Hawaii: 2003 - 2007
Progressively Responsible Technology Support & Management Positions;
    University of Hawaii: 1977 - 2003

Major Extramural Project Highlights

Principal Investigator, Air Force Research Lab
Maui High Performance Computing Center (MHPCC), $251M, 2001-2011

Co-Principal Investigator, Office of the Secretary of Defense
Pacific Disaster Center (PDC), $18M, 2006-2009

Principal Investigator, – NSF Subaward via USC
Hawaii Connections for TransLight/PacificWave (TLPW), $997K, 2007-2010

Principal Investigator, National Science Foundation
 "HERN: Hawaii Education and Research Network," $2.1M, 1994-98

Professional Activity Highlights (1995 -)

EDUCAUSE: Net@Edu Advisory Board
Hawaii Broadband Task Force - Chair
Hawaii Educational Networking Consortium (HENC): co-founder
Hawaii High Technology Development Corporation: Board Member
Internet2: Board Member, Applications Strategy Council Chair
Internet Society: Education Workshop Coordinator, ThinkQuest Head Judge
Pacific Northwest Gigapop – Board Member
Pacific Telecommunications Council: President and Board Chair. Conference Chair
WICHE Western Cooperative for Educational Telecommunications
    Founding Steering Committee Member, Steering Committee Chair (twice), Executive
    Council Member and Chair, Program Committee, Recipient of Richard W. Jonsen award
    for Service to Educational Telecommunications (2000)

Richard Burns
Hawaii State Librarian

On October 18, 2007, the Hawaii State Board of Education selected Richard P. Burns, Branch Manager of the Kapolei Public Library, to be Hawaii's State Librarian beginning January 1, 2008.

A long-time resident of Hawaii and an employee of the Hawaii State Public Library System since 1983, Mr. Burns holds a Bachelor of Arts degree in Political Science from the University of California at Los Angeles, a Masters of Arts in Political Science from the University of Hawaii, and a Master of Library and Information Science degree, also from the University of Hawai'i.

Mr. Burns has worked in many capacities during his twenty-six years with the state's library system, including Library Assistant, Library Technician, Children's Librarian and Bookmobile Librarian. He garnered many awards in his two most recent positions, as Branch Manager for Waimanalo Public & School Library from January 1999 to June 2003 and as Branch Manager for Kapolei Public Library from July 2003 to December 2007. Most notably, Mr. Burns was chosen by the Hawaii Library Foundation as Hawaii's Public Librarian of the Year for 2003.

While at Waimanalo, Mr. Burns worked hard to secure a sixth day of public service at a time when all public libraries were reduced to a five-days-a-week schedule due to budget cuts. By securing grants from trusts, community and philanthropic organizations, he was able to create and install native plant gardens surrounding the library, for which the library won the Betty Crocker Award for Excellence in Community Gardens.

In 2003, Mr. Burns was selected to head the newest addition and second largest public library in Hawaii, the long-anticipated Kapolei Public Library which opened in August 2004. Among his many duties was the task of filling an empty library and hiring a staff of twenty-three employees for what would become one of the busiest libraries in the state.

Chris Zane

Manager, Network Engineering
University of Hawaii – Information Technology Services

Work Experience

2009	Manager, Network Engineering University of Hawaii, Information Technology Services
2007-2009	Network Engineer University of Hawaii, Information Technology Services
2005-2007	IT Specialist University of Hawaii, Information Technology Services
2003-2005	Director of Internet Services NetEnterprise, Inc.
2000-2003	Network Operations Manager NetEnterprise, Inc.
1995-2000	Network & Systems Engineer JMCS, Inc.

Education

1994	Bachelor of Science, Civil Engineering University of Hawaii at Manoa

Mr. Zane has worked in many capacities in the networking and Internet services fields throughout his career. He has extensive experience in deploying Internet technologies and telecommunication circuits through his responsibilities over the years.

At JMCS and NetEnterprise, Mr. Zane designed and installed various LAN and WAN networks for private customers. In 2000, he designed, built and managed NetEnterprise's data center in Honolulu, HI. The NetEnterprise data center was the first public data center in the State of Hawaii.

At the University of Hawaii, Mr. Zane oversees the engineering and management of the University's statewide network that is comprised of microwave, DWDM, and leased circuits. He was recently the project manager of a statewide 10Gbps network deployment that provided access to the DOE, University and State of Hawaii networks.

Organization Chart

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                              ┌──────────────┐
                              │              │
                              └──────┬───────┘
          ┌──────────────────────────┼──────────────────────────────┐
   ┌──────────────┐         ┌──────────────┐              ┌──────────────┐
   │   UH BOR     │         │  Governor    │              │ BOE (elected)│
   │ (appointed)  │         │  (elected)   │              │              │
   └──────┬───────┘         └──────┬───────┘              └──────┬───────┘
   ┌──────────────┐         ┌──────────────┐          ┌──────────┴──────────┐
   │ UH President │         │    DCCA      │   ┌──────────────┐     ┌──────────────┐
   └──────┬───────┘         └──────┬───────┘   │Superintendent│     │ Hawaii State │
   ┌──────┴───────┐                │           │ of Education │     │  Librarian   │
┌──────────┐ ┌──────────┐          │           └──────┬───────┘     └──────┬───────┘
│ VP for CC│ │ VP for IT│          │           ┌──────────────┐     ┌──────────────┐
└────┬─────┘ └────┬─────┘          │           │ K-12 Public  │     │Public Library│
     │            │                │           │   Schools    │     │   Branches   │
     │            │                │           └──────┬───────┘     └──────┬───────┘
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Project Management Team
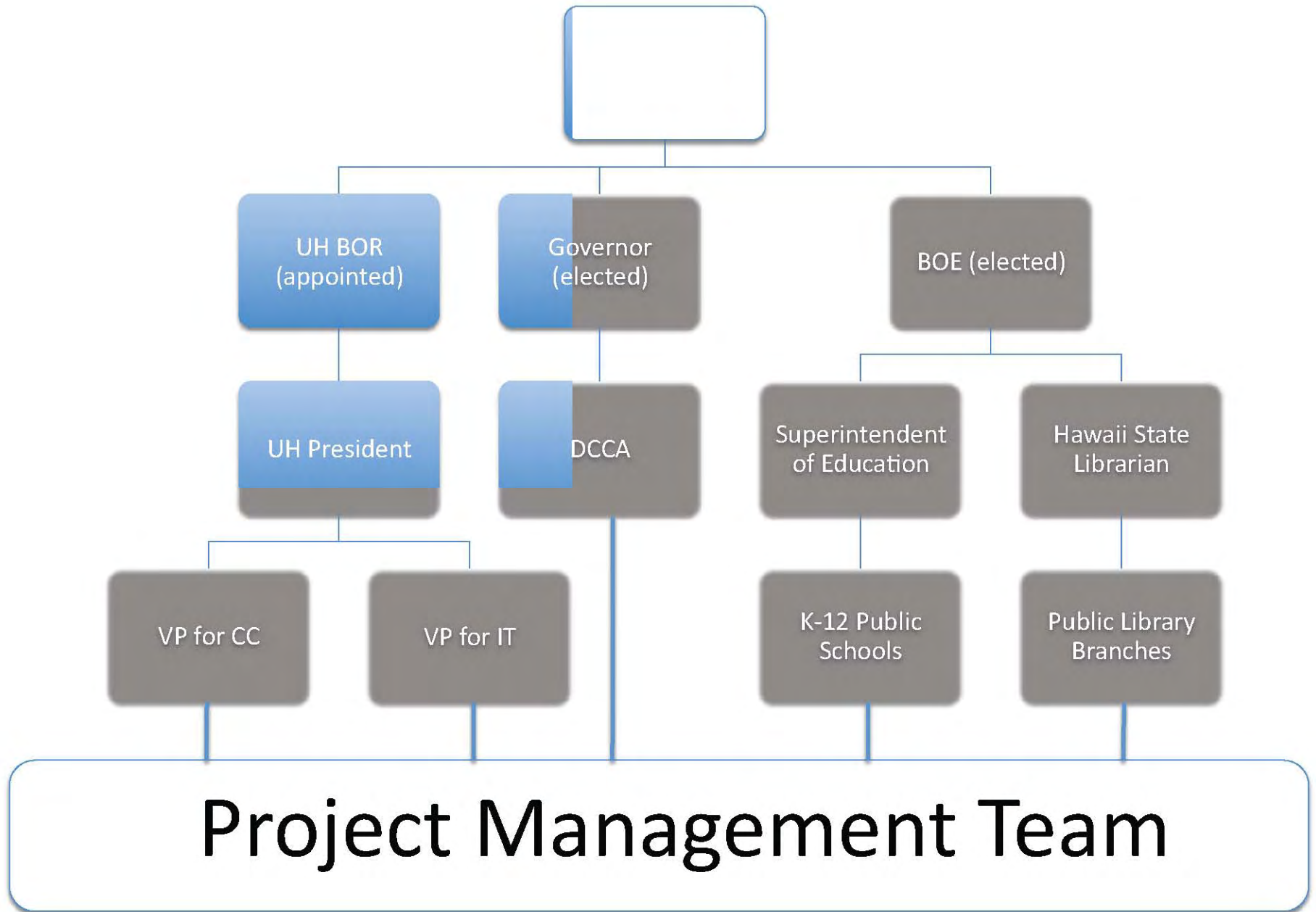
LINDA LINGLE
GOVERNOR

August 11, 2009

Dr. David Lassner
Vice President for Information Technology
    and Chief Information Officer
University of Hawaii
2532 Correa Road
Honolulu, Hawaii 96822

Dear Dr. Lassner:

My Administration strongly supports the inter-related proposals you are submitting on behalf of the State of Hawaii to the U.S. Department of Commerce for Broadband Infrastructure and Public Computing Centers.

Broadband is perhaps more important to Hawaii than to any other state. In addition to being the most isolated landmass in the world, Hawaii's island geography separates its citizens from one another and from the services they need to thrive in the 21st century. Linking our communities' anchor institutions as you have proposed, and expanding the capability of all our citizens to benefit from online services in well-connected public computing centers on all islands will result in an immense leap forward for all of us, especially those who have been unable to participate until now.

While our geography separates us, our collaborations unite us. Your work to develop these cornerstone proposals on behalf of Hawaii's public schools, libraries and university system is a model of how we need to work together in these difficult times.

As Hawaii rises to meet the challenges brought about by today's economic conditions, we must adopt innovative approaches to provide the tools necessary to ensure we have a seat at the table in the global economy. Your proposals will play a key role in that regard.

I greatly appreciate the University of Hawaii's leadership and express my personal thanks to you in developing these proposals on behalf of our entire State. I trust that the Department of Commerce will respond favorably to our request.

Sincerely,

for LINDA LINGLE

JAMES R. AIONA JR.

ACTING GOVERNOR

UNIVERSITY
of HAWAI'I
SYSTEM

M.R.C. Greenwood, Ph.D.
President

March 11, 2010

David Lassner
Vice President for Information Technology and Chief Information Officer
University of Hawaii
2444 Dole Street
Honolulu, HI 96822

Dear David:

I'd like to express the strong support of the entire University of Hawaii System for the inter-related proposals you are submitting to the Broadband Technology Opportunity Program for Comprehensive Community Infrastructure and Public Computing Centers. The University of Hawaii System comprises all public higher education in Hawaii, from community colleges to our flagship research university. Our ten campuses, along with our education centers, provide interlinked gateways of opportunity on six islands for the entire State of Hawaii.

Our unique organizational structure enables us to place a particular emphasis on the use of distance learning to serve people in the most remote locations on all islands -- people who would normally have no access to campus-based education. Our current distance learning network relies on obsolete and incompatible equipment that limits access to educational opportunities. Upgrading our networks and deploying advanced high-definition broadband-based technology will not only improve educational opportunities for Hawaii but will also allow the University to demonstrate to others the transformational impact of broadband throughout the State. High speed networking also enables shared access to information systems and resources to control spiraling costs in these difficult economic times.

Working with our sister institutions, the public schools and public libraries, to advance our broadband infrastructure, improve distance learning and deploy public computers for the underserved will provide a critical safety net for those who have suffered most through the economic downturn and need new skills and abilities to thrive in the 21st century.

Thank you for your leadership in working not only with the entire University but with the Public Libraries and Public Schools to address the needs of the unserved and underserved in all our communities on all islands.

Sincerely,

M.R.C. Greenwood

2444 Dole Street, Bachman Hall
Honolulu, Hawai'i 96822
Telephone: (808) 956-8207
Fax: (808) 956-5286
Email: mrcgreenwood@hawaii.edu
An Equal Opportunity/Affirmative Action Institution

John Morton
Vice President for Community Colleges

UNIVERSITY
of **HAWAI'I**°

SYSTEM

March 10, 2010

David Lassner
Vice President for Information Technology and Chief Information Officer
University of Hawaii
2444 Dole Street, Bachman 204
Honolulu, HI 96822

Dear David,

I'd like to express the strong support of the University of Hawai'i Community College System for the inter-related proposals you are submitting on our behalf to the Program for Comprehensive Community Infrastructure and Public Computer Centers.

Our community college campuses and education centers serve students and the public on all islands and are a major source of the workforce development in Hawai'i. We are experiencing dramatic increases in enrollment and student demand. We rely heavily on distance technologies to meet this demand both for reaching remote sites but also to accommodate students' needs to get their education at a time convenient to them. As part of the larger University of Hawai'i System, we are also every island's gateway to a variety of advanced educational opportunities provided by Hawai'i's public universities.

Adequate connectivity, distance learning facilities and public computers are essential elements in our modern mission. As our operating budgets continue to be stressed by today's economic conditions, these stimulus funds are essential for us to make progress in serving the State.

We greatly appreciate your leadership in working together with us to holistically address the needs of the unserved and underserved in all our communities on all islands.

John Morton
Vice President for Community Colleges

LINDA LINGLE
GOVERNOR

RICHARD BURNS
STATE LIBRARIAN

STATE OF HAWAII
HAWAII STATE PUBLIC LIBRARY SYSTEM
OFFICE OF THE STATE LIBRARIAN
44 MERCHANT STREET
HONOLULU, HAWAII 96813

March 11, 2010

Mr. David Lassner
Vice President for Information Technology
  and Chief Information Officer
University of Hawaii
2444 Dole Street
Honolulu, HI 96822

Dear David,

I'd like to express strong support for the inter-related proposals you are submitting on our behalf to the Broadband Technology Opportunity Program for Comprehensive Community Infrastructure and Public Computer Centers.

The Hawaii State Public Library System is a single statewide system for all public libraries on all islands of the State of Hawaii. Our current bandwidth is completely inadequate to meet the needs of the communities we serve, and we desperately need additional computers to serve the public.

In this depressed economy, the citizens of Hawaii need broadband access more than ever to access public services, find jobs, prepare resumes, search for health information -- in short, for full participation in today's 21st century society.

Connecting every public library in Hawaii and providing public access to broadband services on all islands throughout the State is essential for us to fulfill our modern mission. And as our budgets continue to be cut, these stimulus funds are essential for us to achieve this. We are pleased to be able to provide $823,200 in matching funds from non-Federal sources to make this possible.

We greatly appreciate the University of Hawaii's leadership in working together with us and the Public Schools to address the needs of the unserved and underserved in all our communities on all islands.

Sincerely,

Richard Burns

Richard Burns
State Librarian

STATE OF HAWAI'I
DEPARTMENT OF EDUCATION
P.O. BOX 2360
HONOLULU, HAWAI'I 96804

OFFICE OF THE SUPERINTENDENT

March 11, 2010

Dr. David Lassner
Vice President for Information Technology
 and Chief Information Officer
University of Hawaii
2444 Dole Street
Honolulu, HI 96822

Dear Dr. Lassner:

I'd like to express our strongest possible support for the proposal you are submitting to the Broadband Technology Opportunity Program for Comprehensive Community Infrastructure on behalf of higher and lower public education institutions and libraries in Hawaii.

The Hawaii State Department of Education is a single public school district for the State of Hawaii, with 287 schools and 178,000 students in grades kindergarten through 12. With schools on seven islands, the broadband connection is critical in providing our 21st century learners with optimal educational opportunities and skills through efforts such as expanding on-line learning opportunities. Our neighbor island and rural schools will especially benefit from being able to access educational resources remotely, a crucial factor if we are to achieve our goal of closing the achievement gap and assuring that every child in Hawaii graduates ready to enter the workforce or go on to further education.

The broadband technology proposal will assist school-level administrators in utilizing more robust information systems to share data for decision making and tracking student progress. For example, we are working on creating a state-wide formative assessment process, accessible on-line. The broadband infrastructure will be critical to the success of that effort.
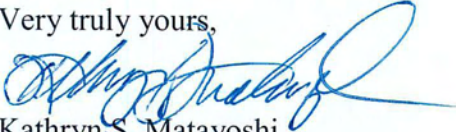
As public servants, we have a mandate to increase transparency and raise accountability in our state government. As educators, we must ensure that we are utilizing our resources wisely in a focused effort on our core mission of educating all children. Broadband infrastructure improvements will also support substantial improvement in our ability to make data driven decisions and be accountable and transparent in our management of our human, financial and facilities resources.

AN AFFIRMATIVE ACTION AND EQUAL OPPORTUNITY EMPLOYER

Finally, this proposal is also a major factor in our overall strategy for education reform under the American Recovery and Reinvestment Act. So much of what we are hoping to accomplish is reliant on the kind of infrastructure outlined in your application.

We greatly appreciate the University of Hawaii's leadership in working together with Hawaii's public schools and libraries to address the needs of our youth and communities statewide.

Very truly yours,

Kathryn S. Matayoshi
Interim Superintendent

KSM:gm

c: Office of Information Technology Services
   Office of Curriculum, Instruction and Student Support
   Office of School Facilities and Support Services

BTOP Public Computer Centers Detail Template

Title: Access for All: Hawaii Statewide Public Computer Centers
Easy Grants ID: 5995

Center Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Estimated # of Total Persons in facility's Service Area	Number of Broadband Stations Available (CURRENT)	Number of Broadband Stations to be Replaced (PROPOSED)	Number of Broadband Stations to be Added (PROPOSED)	Number of Broadband Workstations Available (PROPOSED)	Facility Broadband Connection Speed (CURRENT MBps)	Facility Broadband Connection Speed (PROPOSED MBps)	Average Hours Open to Public Per 120-hour Business Week (CURRENT)	Average Hours Open to Public Per 120-hour Business Week (PROPOSED)	Average Hours Open to Public Per 48-hour Weekend (CURRENT)	Average Hours Open to Public Per 48-hour Weekend (PROPOSED)	Proposed # persons served per 120-hour business week (CURRENT)	Proposed # persons served per 120-hour business week (PROPOSED)	Proposed # persons served per 48-hour weekend (CURRENT)	Proposed # persons served per 48-hour weekend (PROPOSED)
Aiea Public Library	Hawaii State Public Library System	99-143 Moanalua Rd.	Aiea	HI	96701	Library	N/A	41423	0	0	10	10	3	3	36	36	7	7	1753	3155.4	438	613.2
Aina Haina Public Library	Hawaii State Public Library System	5246 Kalanianaole Hwy.	Honolulu	HI	96821	Library	N/A	18655	0	0	10	10	0.256	0.256	35	35	7	7	823	1481.4	206	288.4
Bond Memorial Public Library to be replaced by North Kohala Public Library in late 2010	Hawaii State Public Library System	P.O. Box 248	Kapaau	HI	96755	Library	N/A	2973	0	0	10	10	0.256	0.256	39	39	0	0	696	1252.8	0	0
Ewa Beach Public and School Library	Hawaii State Public Library System	91-950 North Road	Ewa Beach	HI	96706	Library	N/A	43874	0	0	8	8	0.256	0.256	35	35	0	0	2118	3812.4	0	0
Hana Public and School Library	Hawaii State Public Library System	P.O. Box 490	Hana	HI	96713	Library	N/A	1612	0	0	5	5	0.256	0.256	39	39	0	0	1073	1931.4	0	0
Hanapepe Public Library	Hawaii State Public Library System	P.O. Box B	Hanapepe	HI	96716	Library	N/A	2475	0	0	6	6	0.256	0.256	39.5	39.5	8.5	8.5	945	1701	236	330.4
Hawaii Kai Public Library	Hawaii State Public Library System	249 Lunalilo Home Road	Honolulu	HI	96825	Library	N/A	27657	0	0	9	9	0.256	0.256	39	39	8	8	1394	2509.2	349	488.6
Hawaii State Library	Hawaii State Public Library System	478 S. King St	Honolulu	HI	96813	Library	N/A	367536	0	0	56	56	3.08	3.08	49	49	8	8	5890	10602	1178	1649.2
Hilo Public Library	Hawaii State Public Library System	300 Waianuenue Ave	Hilo	HI	96720	Library	N/A	42916	0	0	22	22	1.54	1.54	39	39	8	8	3727	6708.6	932	1304.8
Holualoa Public Library	Hawaii State Public Library System	P.O. Box 214	Holualoa	HI	96725-0214	Library	N/A	2956	0	0	3	3	0.256	0.256	12	12	0	0	0	0	0	0
Honokaa Public Library	Hawaii State Public Library System	45-3380 Mamane Street Bldg #3	Honokaa	HI	96727	Library	N/A	4435	0	0	6	6	0.256	0.256	38	38	0	0	400	720	0	0
Kahuku Public and School Library	Hawaii State Public Library System	56-490 Kamehameha Hwy.	Kahuku	HI	96731	Library	N/A	2716	0	0	8	8	0.256	0.256	38	38	0	0	2348	4226.4	0	0
Kahului Public Library	Hawaii State Public Library System	90 School St.	Kahului	HI	96732	Library	N/A	19390	0	0	20	20	1.54	1.54	40	40	8	8	1878	3380.4	470	658
Kailua Public Library	Hawaii State Public Library System	239 Kuulei Road	Kailua	HI	96734	Library	N/A	51081	0	0	12	12	0.256	0.256	42	42	7	7	3313	5963.4	663	928.2
Kailua-Kona Public Library	Hawaii State Public Library System	75-138 Hualalai Rd.	Kailua-Kona	HI	96740	Library	N/A	25132	0	0	12	12	0.256	0.256	38	38	8	8	2162	3891.6	541	757.4
Kaimuki Public Library	Hawaii State Public Library System	1041 Koko Head Ave.	Honolulu	HI	96816	Library	N/A	48839	0	0	14	14	1.54	1.54	43	43	7	7	3367	6060.6	842	1178.8
Kalihi-Palama Public Library	Hawaii State Public Library System	1325 Kalihi Street	Honolulu	HI	96819	Library	N/A	47299	0	0	16	16	0.256	0.256	38	38	0	0	2023	3641.4	405	567
Kaneohe Public Library	Hawaii State Public Library System	45-829 Kamehameha Hwy.	Kaneohe	HI	96744	Library	N/A	54415	0	0	17	17	1.54	1.54	45	45	7	7	10000	18000	2000	2800
Kapaa Public Library	Hawaii State Public Library System	1464 Kuhio Highway	Kapaa	HI	96746	Library	N/A	16188	0	0	8	8	0.256	0.256	40	40	0	0	1585	2853	0	0
Kapolei Public Library	Hawaii State Public Library System	1020 Manawai Street	Kapolei	HI	96707	Library	N/A	25054	0	0	42	42	1.54	1.54	48	48	7	7	5308	9554.4	1062	1486.8
Keaau Public and School Library	Hawaii State Public Library System	16-571 Keaau-Pahoa Rd.	Keaau	HI	96749	Library	N/A	11553	0	0	18	18	0.256	0.256	42	42	0	0	1508	2714.4	0	0
Kealakekua Public Library	Hawaii State Public Library System	P.O. Box 768	Kealakekua	HI	96750	Library	N/A	25054	0	0	8	8	0.256	0.256	22	22	5	5	298	536.4	74	103.6
Kihei Public Library	Hawaii State Public Library System	35 Waimahaihai St.	Kihei	HI	96753	Library	N/A	22437	0	0	10	10	0.256	0.256	36	36	7	7	1105	1989	276	386.4
Koloa Public and School Library	Hawaii State Public Library System	P.O. Box 9	Koloa	HI	96756	Library	N/A	5312	0	0	9	9	0.256	0.256	41.5	41.5	0	0	1378	2480.4	0	0
Lahaina Public Library	Hawaii State Public Library System	680 Wharf St.	Lahaina	HI	96761	Library	N/A	18518	0	0	6	6	0.256	0.256	36	36	6	6	1476	2656.8	369	516.6
Lanai Public and School Library	Hawaii State Public Library System	P.O. Box 630550	Lanai City	HI	96763	Library	N/A	3189	0	0	5	5	0.256	0.256	39	39	0	0	1522	2739.6	0	0
Laupahoehoe Public and School Library	Hawaii State Public Library System	P.O. Box 249	Laupahoehoe	HI	96764	Library	N/A	795	0	0	6	6	0.256	0.256	39	39	0	0	764	1375.2	0	0
Library for the Blind and Physically Handicapped	Hawaii State Public Library System	402 Kapahulu Ave.	Honolulu	HI	96815	Library	N/A	3900	0	0	2	2	0.256	0.256	40	40	0	0	75	135	0	0
Lihue Public Library	Hawaii State Public Library System	4344 Hardy St.	Lihue	HI	96766	Library	N/A	12011	0	0	23	23	1.54	1.54	38.5	38.5	0	0	2627	4728.6	0	0
Liliha Public Library	Hawaii State Public Library System	1515 Liliha St.	Honolulu	HI	96817	Library	N/A	52044	0	0	14	14	0.256	0.256	35	35	7	7	2888	5198.4	722	1010.8
Makawao Public Library	Hawaii State Public Library System	1159 Makawao Ave.	Makawao	HI	96768	Library	N/A	15877	0	0	7	7	0.256	0.256	38.5	38.5	7.5	7.5	1741	3133.8	435	609
Manoa Public Library	Hawaii State Public Library System	2716 Woodlawn Drive	Honolulu	HI	96822	Library	N/A	43921	0	0	17	17	0.256	0.256	42	42	7	7	2202	3963.6	550	770
McCully - Moiliili Public Library	Hawaii State Public Library System	2211 S. King St.	Honolulu	HI	96826	Library	N/A	31187	0	0	14	14	1.54	1.54	35	35	7	7	3452	6213.6	863	1208.2
Mililani Public Library	Hawaii State Public Library System	95-450 Makaimoimo St.	Mililani	HI	96789	Library	N/A	45093	0	0	10	10	0.256	0.256	42	42	7	7	3139	5650.2	628	879.2
Molokai Public Library	Hawaii State Public Library System	P.O. Box 395	Kaunakakai	HI	96748	Library	N/A	4692	0	0	8	8	0.256	0.256	37.5	37.5	0	0	1060	1908	0	0
Mountain View Public and School Library	Hawaii State Public Library System	P.O. Box 380	Mountain View	HI	96771	Library	N/A	4410	0	0	6	6	0.256	0.256	36	36	0	0	795	1431	0	0
Naalehu Public Library	Hawaii State Public Library System	P.O. Box 653	Naalehu	HI	96772	Library	N/A	1930	0	0	3	3	0.256	0.256	25	25	0	0	290	522	0	0
Pahala Public and School Library	Hawaii State Public Library System	P.O. Box 400	Pahala	HI	96777	Library	N/A	1466	0	0	6	6	0.256	0.256	39.5	39.5	0	0	630	1134	0	0
Pahoa Public and School Library	Hawaii State Public Library System	15-3070 Pahoa-Kalapana Rd.	Pahoa	HI	96778	Library	N/A	10653	0	0	9	9	0.256	0.256	15	15	0	0	2116	3808.8	0	0
Pearl City Public Library	Hawaii State Public Library System	1138 Waimano Home Rd.	Pearl City	HI	96782	Library	N/A	37879	0	0	17	17	1.54	1.54	43	43	7	7	3021	5437.8	604	845.6
Princeville Public Library	Hawaii State Public Library System	4343 Emmalani Drive	Princeville	HI	96722	Library	N/A	1212	0	0	6	6	0.256	0.256	35	35	7	7	545	981	136	190.4
Salt Lake-Moanalua Public Library	Hawaii State Public Library System	3225 Salt Lake Blvd.	Honolulu	HI	96818	Library	N/A	54856	0	0	21	21	4.75	4.75	37	37	0	0	2751	4951.8	0	0
Thelma Parker Memorial Public Library	Hawaii State Public Library System	67-1209 Mamalahoa Hwy.	Kamuela	HI	96743-8429	Library	N/A	8546	0	0	7	7	0.256	0.256	36	36	4	4	3914	7045.2	783	1096.2
Wahiawa Public Library	Hawaii State Public Library System	820 California Ave.	Wahiawa	HI	96786	Library	N/A	41605	0	0	10	10	0.256	0.256	38	38	0	0	985	1773	0	0

Center Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Estimated # of Total Persons in facility's Service Area	Broadband Workstations				Facility Broadband Connection Speed (MBps)		Weekday Hours Open to the Public		Weekend Hours Open to the Public		Weekday Number of Persons Served		Weekend Number of Persons Served	
									Number of Broadband Stations Available (CURRENT)	Number of Broadband Stations to be Replaced (PROPOSED)	Number of Broadband Stations to be Added (PROPOSED)	Number of Broadband Workstations Available (PROPOSED)	Facility Broadband Connection Speed (CURRENT MBps)	Facility Broadband Connection Speed (PROPOSED MBps)	Average Hours Open to Public Per 120-hour Business Week (CURRENT)	Average Hours Open to Public Per 120-hour Business Week (PROPOSED)	Average Hours Open to Public Per 48-hour Weekend (CURRENT)	Average Hours Open to Public Per 48-hour Weekend (PROPOSED)	Proposed # persons served per 120-hour business week (CURRENT)	Proposed # persons served per 120-hour business week (PROPOSED)	Proposed # persons served per 48-hour weekend (CURRENT)	Proposed # persons served per 48-hour weekend (PROPOSED)
Waialua Public Library	Hawaii State Public Library System	67-068 Kealohanui St.	Waialua	HI	96791	Library	N/A	7908	0	0	6	6	0.256	0.256	40	40	5	5	463	833.4	116	162.4
Waianae Public Library	Hawaii State Public Library System	85-625 Farrington Hwy.	Waianae	HI	96792	Library	N/A	42342	0	0	10	10	0.256	0.256	43	43	8	8	1064	1915.2	213	298.2
Waikiki-Kapahulu Public	Hawaii State Public Library System	400 Kapahulu Ave.	Honolulu	HI	96815	Library	N/A	27507	0	0	9	9	0.256	0.256	35	35	7	7	1022	1839.6	255	357
Wailuku Public Library	Hawaii State Public Library System	251 High St.	Wailuku	HI	96793	Library	N/A	21762	0	0	10	10	0.256	0.256	39	39	0	0	1571	2827.8	0	0
Waimanalo Public and S	Hawaii State Public Library System	41-1320 Kalanianaole Hwy.	Waimanalo	HI	96795	Library	N/A	9872	0	0	8	8	0.256	0.256	43	43	4	4	1340	2412	268	375.2
Waimea Public Library	Hawaii State Public Library System	P.O. Box 397	Waimea	HI	96796	Library	N/A	2205	0	0	7	7	0.256	0.256	39	39	0	0	486	874.8	0	0
Waipahu Public Library	Hawaii State Public Library System	94-275 Mokuola St.	Waipahu	HI	96797	Library	N/A	63228	0	0	14	14	0.256	0.256	35	35	0	0	2317	4170.6	0	0
Honolulu Community Co	University of Hawaii System	874 Dillingham Blvd.	Honolulu	HI	96817	Community College	Native Hawaiian Serving Ins	140000	32	0	10	42	100	100	54	54	3	3	3500	3800	40	50
Kapiolani Community Co	University of Hawaii System	4303 Diamond Head Road	Honolulu	HI	96816	Community College	Native Hawaiian Serving Ins	250000	128	0	10	138	100	100	59	59	0	8	8100	10000	0	200
Kauai Community Colleg	University of Hawaii System	3-1901 Kaumualii Highway	Lihue	HI	96766	Community College	Native Hawaiian Serving Ins	46000	34	0	4	38	100	100	49	49	0	0	929	1013	0	0
Leeward Community Col	University of Hawaii System	96-045 Ala Ike	Pearl City	HI	96782	Community College	Native Hawaiian Serving Ins	350000	63	0	10	73	100	100	55	55	4	0	4150	5000	60	0
Maui Community College	University of Hawaii System	310 W. Kaahumanu Avenue	Kahului	HI	96732	Community College	Native Hawaiian Serving Ins	97500	18	0	5	23	100	100	46	46	4	4	356	500	4	20
William S. Richardson S	University of Hawaii System	2525 Dole Street	Honolulu	HI	96822	Other Institution of Higher	Native Hawaiian Serving Ins	5000	4	0	4	8	100	100	70	70	23	23	3201	3241	428	448
Windward Community C	University of Hawaii System	45-720 Keaahala Rd.	Kaneohe	HI	96744	Community College	Native Hawaiian Serving Ins	45000	25	0	5	30	100	100	52	52	0	0	1100	1500	0	0
Hana Education Center	University of Hawaii System	5101 Uakea	Hana	HI	96713	Other Institution of Higher Education	N/A	1612	0	0	4	4	100	100	0	35	0	0	50	60	0	0
Lahaina Education Cente	University of Hawaii System	60 Kenui St.	Lahaina	HI	96761	Other Institution of Higher Education	N/A	18518	0	0	3	3	100	100	0	35	0	0	0	12	0	0
Lanai Education Center	University of Hawaii System	329 7th Street	Lanai City	HI	96763	Other Institution of Higher Education	N/A	3189	21	0	5	26	100	100	90	90	0	0	75	125	0	0
Leeward Community Col	University of Hawaii System	86-088 Farrington Hwy #201	Waianae	HI	96792	Other Institution of Higher Education	N/A	42342	31	0	10	41	100	100	75	75	8	8	500	525	30	35
Molokai Education Cente	University of Hawaii System	375 Kamehameha V Hwy	Kaunakakai	HI	96748	Other Institution of Higher Education	N/A	7372	11	0	5	16	100	100	50	50	0	0	120	170	0	0
North Hawaii Education	University of Hawaii System	45-539 Plumeria St.	Honokaa	HI	96727	Other Institution of Higher Education	N/A	26216	14	0	5	19	100	100	55	60	12	16	200	300	50	75
UH Center - Maui (MRTC Ki	University of Hawaii System	590 Lipoa Pkwy	Kihei	HI	96753	Other Institution of Higher Education	N/A	22437	0	0	3	3	100	100	12	12	0	0	20	25	0	0
UH Center - West Hawai	University of Hawaii System	81-964 Halekii Street	Kealakekua	HI	96750	Other Institution of Higher Education	N/A	25000	18	0	10	28	100	100	44	44	0	0	600	600	0	0
Totals:								2559776	399	0	693	1092	23.2	23.2	39.8	40.9	3.6	3.8	122249	205697.4	16226	22687.6

BTOP Public Computer Center and Sustainable Broadband Adoption
Detailed Budget Template

Easy Grants ID: 5595
Applicant: University of Hawaii

Project Title: Access for All: Hawaii
Statewide Public Computer Centers

SF-424A Object Class Category	General				Detail					
a. Personnel - List position, number of staff, annual salaries, % time spent on project	**Position**	**Federal Support**	**Matching Support**	**Total**	**# of Positions**	**Salary**	**% Time Spent on Project**	**Quarters Employed**	**Total**	
				$0.00					$0.00	
				$0.00					$0.00	
				$0.00					$0.00	
				$0.00					$0.00	
Subtotal		$0.00	$0.00	$0.00						

b. Fringe Benefits											
b. Fringe Benefits - Include salaries and fringe rate.	**Position**	**Federal Support**	**Matching Support**	**Total**	**# of Positions**	**Salary**	**% Time Spent on Project**	**Quarters Employed**	**Fringe Rate**	**Total**	
				$0.00						$0.00	
				$0.00						$0.00	
				$0.00						$0.00	
				$0.00						$0.00	
Subtotal		$0.00	$0.00	$0.00							

c. Travel								
c. Travel - For significant costs, include details such as number and purpose of trips, destinations.	**Purpose of Trip**	**Federal Support**	**Matching Support**	**Total**	**# of Trips**	**Cost per Trip**	**Total**	
				$0.00			$0.00	
				$0.00			$0.00	
				$0.00			$0.00	
				$0.00			$0.00	
Subtotal		$0.00	$0.00	$0.00				

d. Equipment Costs								
d. Equipment Costs - List equipment with # of units and unit costs. Distinguish between equipment intended for applicant use versus equipment for the end user.	**Equipment Description**	**Federal Support**	**Matching Support**	**Total**	**#Units**	**Unit Cost**	**Total**	
Applicant Equipment								
				$0.00			$0.00	
				$0.00			$0.00	
				$0.00			$0.00	
				$0.00			$0.00	
User Equipment								
				$0.00			$0.00	
				$0.00			$0.00	
				$0.00			$0.00	
				$0.00			$0.00	
Subtotal		$0.00	$0.00	$0.00				

e. Supplies								
e. Supplies - List costs associated with materials/printing, curriculum, translations, and other supplies	**Description**	**Federal Support**	**Matching Support**	**Total**	**#Units (If Applicable)**	**Unit Cost (If Applicable)**	**Total**	

				$0.00			$0.00
				$0.00			$0.00
				$0.00			$0.00
				$0.00			$0.00
Subtotal		$0.00	$0.00	$0.00			

f. Contractual - List contractors with purpose of contract, hourly rate or total fixed rate.	Contractor	Federal Support	Matching Support	Total	# Hours (If Applicable)	Hourly Rate (If Applicable)	Total Contract
				$0.00			$0.00
				$0.00			$0.00
				$0.00			$0.00
				$0.00			$0.00
Subtotal		$0.00	$0.00	$0.00			

g. Construction - If applicable, list construction costs	Description	Federal Support	Matching Support	Total			
				$0.00			
				$0.00			
				$0.00			
				$0.00			
Subtotal		$0.00	$0.00	$0.00			

h. Other - List costs associated with grant subrecipients as well as other costs not listed above such as rent, technology (website hosting, internet connection), advertising (TV, radio, online), etc.	Description	Federal Support	Matching Support	Total	#Units (If Applicable)	Unit Cost (If Applicable)	Total
Access for All: Hawaii Statewide Public Computer Centers				$1,039,500.00			$1,039,500.00
	Public Use Computers	$831,600.00	$207,900.00				
	Workstation Software	$55,440.00	$13,860.00	$69,300.00	693	$100.00	$69,300.00
	Public Use Printers	$20,800.00	$5,200.00	$26,000.00			$0.00
	Training	$80,000.00	$20,000.00	$100,000.00			$0.00
	Network Switches	$52,800.00	$13,200.00	$66,000.00			$66,000.00
	Electrical Site Work	$20,000.00	$5,000.00	$25,000.00			$0.00
	Visually Impaired Assistive Software	$105,600.00	$26,400.00	$132,000.00			$132,000.00
	ADA Compliant Workstations	$79,200.00	$19,800.00	$99,000.00	66	$1,500.00	$99,000.00
	Policy enforcement firewall software	$28,560.00	$7,140.00	$35,700.00			$35,700.00
	3 year maintenance for policy software	$9,792.00	$2,448.00	$12,240.00			$12,240.00
	WAP licenses	$16,320.00	$4,080.00	$20,400.00			$20,400.00
	3 year maintenance for WAP licenses	$5,712.00	$1,428.00	$7,140.00			$7,140.00
	Wireless Access Points	$31,304.00	$7,826.00	$39,130.00			$39,130.00
	Network Controllers	$167,280.00	$41,820.00	$209,100.00			$209,100.00
	3 year maintenance for controllers	$55,080.00	$13,770.00	$68,850.00			$68,850.00
Subtotal		$1,559,488.00	$389,872.00	$1,949,360.00			

i. Total Direct Charges (sum of a-h)		$1,559,488.00	$389,872.00	$1,949,360.00
j. Indirect Charges		$389,872.00	$97,468.00	$487,340.00
Total Eligible Project Costs		$1,949,360.00	$487,340.00	$2,436,700.00
Match Percentage		20.0%		

Explanation of Indirect Charges

Attachment 1 - UH Indirect Cost Rates, Exhibit A shows that the indirect cost based on federally approved rate is 25% of Modified Total Direct Costs for On-Campus Other Sponsored Activities.

Additional Budget Notes

No proposed hardware cost exceeds a unit price of $5000 or greater and was not classified as equipment.

BUDGET INFORMATION - Non-Construction Programs

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Access for All: Hawaii Statewide Public Computer Centers	11.557	$	$	$ 1,949,360.00	$ 487,340.00	$ 2,436,700.00
2.						0.00
3.						0.00
4.						0.00
5. Totals		$ 0.00	$ 0.00	$ 1,949,360.00	$ 487,340.00	$ 2,436,700.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total
	(1) AFA	(2)	(3)		(5)
a. Personnel	$	$	$	$	$ 0.00
b. Fringe Benefits					0.00
c. Travel					0.00
d. Equipment					0.00
e. Supplies					0.00
f. Contractual					0.00
g. Construction					0.00
h. Other	1,949,360.00				1,949,360.00
i. Total Direct Charges (sum of 6a-6h)	1,949,360.00	0.00	0.00	0.00	1,949,360.00
j. Indirect Charges	487,340.00				487,340.00
k. TOTALS (sum of 6i and 6j)	$ 2,436,700.00	$ 0.00	$ 0.00	$ 0.00	$ 2,436,700.00
7. Program Income	$	$	$	$	$ 0.00

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SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8. Access for All: Hawaii Statewide Public Computer Centers	$ 487,340.00	$	$	$ 487,340.00
9.				0.00
10.				0.00
11.				0.00
12. TOTAL *(sum of lines 8-11)*	$ 487,340.00	$	$ 0.00	$ 487,340.00

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	$ 974,680.00	$ 974,680.00	$	$	$
14. Non-Federal	243,670.00	243,670.00			
15. TOTAL *(sum of lines 13 and 14)*	$ 1,218,350.00	$ 1,218,350.00	$ 0.00	$ 0.00	$ 0.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) Grant Program	FUTURE FUNDING PERIODS (Years)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16.Access for All: Hawaii Statewide Public Computer Centers	$ 1,218,350.00	$ 1,218,350.00	$	$
17.				
18.				
19.				
20. TOTAL *(sum of lines 16-19)*	$ 1,218,350.00	$ 1,218,350.00	$ 0.00	$ 0.00

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges: $1,949,360.00	22. Indirect Charges: $487,340.00
23. Remarks:	

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COLLEGES AND UNIVERSITIES RATE AGREEMENT

EIN #: .

DATE: May 5, 2009

INSTITUTION:
University of Hawaii
2530 Dole Street
Sakamaki D-200
Honolulu   HI   96822

FILING REF.: The preceding
Agreement was dated
February 28, 2006

The rates approved in this agreement are for use on grants, contracts and other
agreements with the Federal Government, subject to the conditions in Section III.

SECTION I: FACILITIES AND ADMINISTRATIVE COST RATES*

RATE TYPES: FIXED   FINAL   PROV.(PROVISIONAL)   PRED.(PREDETERMINED)

TYPE	EFFECTIVE PERIOD FROM	TO	RATE(%)	LOCATIONS	APPLICABLE TO
PRED.	07/01/08	06/30/09	38.4	On-Campus	Organized Research
PRED.	07/01/09	06/30/12	36.7	On-Campus	Organized Research
PRED.	07/01/08	06/30/12	20.6	Off-Campus	Organized Research
PRED.	07/01/08	06/30/09	27.4	On-Campus	Instruction
PRED.	07/01/09	06/30/12	27.5	On-Campus	Instruction
PRED.	07/01/09	06/30/12	20.0	Off-Campus	Instruction
PRED.	07/01/08	06/30/09	26.9	On-Campus	Other Spon Act
PRED.	07/01/09	06/30/12	25.0	On-Campus	Other Spon Act
PRED.	07/01/08	06/30/12	19.0	Off-Campus	Other Spon Act
PRED.	07/01/08	06/30/09	25.4	On-Campus	Inst. for Astronomy
PRED.	07/01/09	06/30/12	34.2	On-Campus	Inst. for Astronomy
PRED.	07/01/08	06/30/12	19.5	Off-Campus	Inst. for Astronomy
PRED.	07/01/08	06/30/09	3.1	(A)	Direct Projects
PRED.	07/01/09	06/30/12	2.7	(A)	Direct Projects
PRED.	07/01/08	06/30/09	8.9	(B)	(C)
PRED.	07/01/09	06/30/12	8.6	(B)	(C)
PRED.	07/01/08	06/30/09	53.5	(D)	Organized Research
PRED.	07/01/09	06/30/12	50.0	(D)	Organized Research
PROV.	07/01/12	UNTIL AMENDED	Use same rates and conditions as those cited for fiscal year ending June 30, 2012.		

(A) Research Corp. of U.H.
(B) Applied Research Laboratory
(C) University Affiliated Research Center
(D) Kaka'ako campus including Gold Bond Building

*BASE:
Modified total direct costs, consisting of all salaries and wages,
fringe benefits, materials, supplies, services, travel and subgrants
and subcontracts up to the first $25,000 of each subgrant or subcontract
(regardless of the period covered by the subgrant or subcontract).
Modified total direct costs shall exclude equipment, capital
expenditures, charges for patient care, tuition remission, rental
costs of off-site facilities, scholarships, and fellowships as well as
the portion of each subgrant and subcontract in excess of $25,000.

INSTITUTION:
University of Hawaii

AGREEMENT DATE: May 5, 2009

SECTION II: SPECIAL REMARKS

TREATMENT OF FRINGE BENEFITS:
This organization charges the actual cost of each fringe benefit direct to Federal
projects. However, it uses a fringe benefit rate which is applied to salaries and wages
in budgeting fringe benefit costs under project proposals. The fringe benefits listed
below are treated as direct costs.

TREATMENT OF PAID ABSENCES:
Vacation, holiday, sick leave pay and other paid absences are included in salaries and
wages and are claimed on grants, contracts and other agreements as part of the normal cost
for salaries and wages. Separate claims for the costs of these paid absences are not
made.

DEFINITION OF OFF-CAMPUS: A project is considered off-campus if the activity is conducted
at locations other than in University owned or operated facilities and indirect costs
associated with physical plant and library are not considered applicable to the project.

DEFINITION OF EQUIPMENT
Equipment is defined as tangible nonexpendable personal property having a useful life of
more than one year and an acquisition cost of $5,000 or more per unit.

The following fringe benefits are treated as direct costs:
FICA, WORKERS COMPENSATION, HEALTH/DENTAL/LIFE INSURANCE, MEDICARE, UNEMPLOYMENT
INSURANCE, RETIREMENT, POST RETIREMENT BENEFITS, AND FACULTY VACATION RESERVE.

(2)

INSTITUTION:
University of Hawaii

AGREEMENT DATE: May 5, 2009

SECTION III: GENERAL

A. LIMITATIONS:
The rates in this Agreement are subject to any statutory or administrative limitations and apply to a given grant, contract or other agreement only to the extent that funds are available. Acceptance of the rates is subject to the following conditions: (1) Only costs incurred by the organization were included in its facilities and administrative cost pools as finally accepted: such costs are legal obligations of the organization and are allowable under the governing cost principles; (2) The same costs that have been treated as facilities and administrative costs are not claimed as direct costs; (3) Similar types of costs have been accorded consistent accounting treatment; and (4) The information provided by the organization which was used to establish the rates is not later found to be materially incomplete or inaccurate by the Federal Government. In such situations the rate(s) would be subject to renegotiation at the discretion of the Federal Government.

B. ACCOUNTING CHANGES:
This Agreement is based on the accounting system purported by the organization to be in effect during the Agreement period. Changes to the method of accounting for costs which affect the amount of reimbursement resulting from the use of this Agreement require prior approval of the authorized representative of the cognizant agency. Such changes include, but are not limited to, changes in the charging of a particular type of cost from facilities and administrative to direct. Failure to obtain approval may result in cost disallowances.

C. FIXED RATES:
If a fixed rate is in this Agreement, it is based on an estimate of the costs for the period covered by the rate. When the actual costs for this period are determined, an adjustment will be made to a rate of a future year(s) to compensate for the difference between the costs used to establish the fixed rate and actual costs.

D. USE BY OTHER FEDERAL AGENCIES:
The rates in this Agreement were approved in accordance with the authority in Office of Management and Budget Circular A-21 Circular, and should be applied to grants, contracts and other agreements covered by this Circular, subject to any limitations in A above. The organization may provide copies of the Agreement to other Federal Agencies to give them early notification of the Agreement.

BY THE INSTITUTION:
University of Hawaii

(INSTITUTION)

(SIGNATURE)

James R. Gaines
(NAME)

Vice President for Research
(TITLE)

MAY 12 2009
(DATE)

ON BEHALF OF THE FEDERAL GOVERNMENT:

DEPARTMENT OF HEALTH AND HUMAN SERVICES
(AGENCY)

(SIGNATURE)

Wallace Chan
(NAME)

DIRECTOR, DIVISION OF COST ALLOCATION
(TITLE)

May 5, 2009
(DATE) 2801

HHS REPRESENTATIVE: Jeanette Lu
Telephone: (415) 437-7820

(3)

UNIVERSITY OF HAWAII
FACILITIES AND ADMINISTRATIVE COST RATES
FOR THE PERIOD JULY 1, 2008 THROUGH JUNE 30, 2009

EXHIBIT A
PAGE 1 OF 3

	ORGANIZED RESEARCH		INSTRUCTION		OTHER SPONSORED ACTIVITIES	
	ON-CAMPUS	OFF-CAMPUS	ON-CAMPUS	OFF-CAMPUS	ON-CAMPUS	OFF-CAMPUS
BUILDING & IMPROVEMENTS	2.1%		0.4%		0.7%	
INTEREST EXPENSE	2.4%		0.2%		0.3%	
EQUIPMENT USE ALLOWANCE	0.9%		0.1%		0.4%	
OPERATIONS & MAINTENANCE	10.6%		6.1%		5.5%	
LIBRARY	1.2%		0.6%		0.7%	
GENERAL ADMIN	5.2%	5.2%	4.1%	4.1%	5.9%	5.9%
DEPT ADMIN	12.9%	12.5%	13.2%	13.3%	10.6%	10.6%
SPON PROJ ADMIN	2.9%	2.9%	2.6%	2.6%	2.6%	2.6%
STUDENT SERV ADMIN	0.2%		0.1%		0.2%	
ADMIN COMPONENTS	21.2%	21.2%	20.0%	20.0%	20.0%	19.3%	19.3%	19.0%
TOTAL		38.4%	20.8%		27.4%	20.0%		26.9%	19.0%

	ORGANIZED RESEARCH IFA		RCUH DIRECT PROJECTS		APPLIED RESEARCH LABORATORY	
	ON-CAMPUS	OFF-CAMPUS				
BUILDING & IMPROVEMENTS	0.3%		0.0%		0.0%	
INTEREST EXPENSE	2.2%		0.0%		0.0%	
EQUIPMENT USE ALLOWANCE	0.7%		0.0%		0.0%	
OPERATIONS & MAINTENANCE	1.7%		0.3%		0.0%	
LIBRARY	1.0%		0.0%		0.0%	
GENERAL ADMIN	4.5%	4.5%	2.8%		4.6%	
DEPT ADMIN	12.0%	12.0%	0.0%		1.5%	
SPON PROJ ADMIN	2.9%	2.9%	0.0%		2.3%	
STUDENT SERV ADMIN	0.1%	0.1%	0.0%		0.0%	
ADMIN COMPONENTS	19.5%	19.5%	19.5%	2.8%	2.8%	8.9%	8.9%
TOTAL		25.4%	19.5%		3.1%			8.9%

CONCUR:

(signature)

(SIGNATURE)

<u>Vice President for Research</u>
TITLE

MAY 1 2 2009

DATE

UNIVERSITY OF HAWAII
FACILITIES AND ADMINISTRATIVE COST RATES
FOR THE PERIOD JULY 1, 2009 THROUGH JUNE 30, 2012

	ORGANIZED RESEARCH		INSTRUCTION		OTHER SPONSORED ACTIVITIES	
	ON-CAMPUS	OFF-CAMPUS	ON-CAMPUS	OFF-CAMPUS	ON-CAMPUS	OFF-CAMPUS
BUILDING & IMPROVEMENTS	3.1%		0.4%		0.3%	
INTEREST EXPENSE	0.6%		0.2%		0.1%	
EQUIPMENT USE ALLOWANCE	1.0%		0.1%		0.2%	
OPERATIONS & MAINTENANCE	10.0%		6.2%		4.4%	
LIBRARY	0.6%		0.6%		0.7%	
GENERAL ADMIN	5.2%	5.2%	4.1%	4.1%	5.9%	5.9%
DEPT ADMIN	12.8%	12.5%	13.2%	13.3%	10.6%	10.5%
SPON PROJ ADMIN	2.9%	2.9%	2.6%	2.6%	2.6%	2.6%
STUDENT SERV ADMIN	0.2%		0.1%		0.2%	
ADMIN COMPONENTS	21.2%	21.2% 20.6%	20.0%	20.0% 20.0%	19.3%	19.3% 19.0%
TOTAL		36.7% 20.6%		27.5% 20.0%		25.0% 19.0%

	ORGANIZED RESEARCH IFA		RCUH DIRECT PROJECTS	APPLIED RESEARCH LABORATORY
	ON-CAMPUS	OFF-CAMPUS		
BUILDING & IMPROVEMENTS	2.9%		0.0%	0.0%
INTEREST EXPENSE	1.0%		0.0%	0.0%
EQUIPMENT USE ALLOWANCE	1.1%		0.0%	0.0%
OPERATIONS & MAINTENANCE	8.0%		0.3%	0.0%
LIBRARY	0.8%		0.0%	0.0%
GENERAL ADMIN	4.5%	4.5%	2.4%	4.7%
DEPT ADMIN	12.0%	12.0%	0.0%	1.7%
SPON PROJ ADMIN	2.9%	2.9%	0.0%	2.2%
STUDENT SERV ADMIN	0.1%	0.1%	0.0%	0.0%
ADMIN COMPONENTS	19.5%	19.5% 19.5%	2.4% 2.4%	8.6% 8.6%
TOTAL		34.2% 19.5%	2.7%	8.6%

CONCUR:

_____
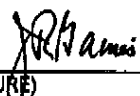(SIGNATURE)

Vice President for Research
TITLE

MAY 12 2009

DATE

UNIVERSITY OF HAWAII
FACILITIES AND ADMINISTRATIVE COST RATES
FOR RESEARCH PERFORMED ON THE KAKA'AKO CAMPUS
FOR THE PERIOD JULY 1, 2008 THROUGH JUNE 30, 2012

EXHIBIT A
PAGE 3 OF 3

	KAKA'AKO RESEARCH		KAKA'AKO RESEARCH	
	JULY 1, 2008 - JUNE 30, 2009		JULY 1, 2009 - JUNE 30, 2012	
BUILDING & IMPROVEMENTS		3.9%		8.5%
INTEREST EXPENSE		14.1%		10.2%
EQUIPMENT USE ALLOWANCE		1.4%		1.3%
OPERATIONS & MAINTENANCE		12.6%		9.7%
LIBRARY		0.3%		0.1%
GENERAL ADMIN	5.2%		4.9%	
DEPT ADMIN	12.9%		12.3%	
SPON PROJ ADMIN	2.9%		2.8%	
STUDENT SERV ADMIN	0.2%		0.2%	
ADMIN COMPONENTS	21.2%	21.2%	20.2%	20.2%
TOTAL		53.5%		50.0%

CONCUR:

(SIGNATURE)

Vice President for Research
TITLE

MAY 12 2009

DATE