

UNIVERSITY OF HAWAI‘I SYSTEM LEGISLATIVE TESTIMONY



CAPITAL IMPROVEMENT PROGRAM

Testimony Presented Before the
Senate Committee on Ways & Means

January 14, 2008

by

Sam Callejo
Vice President for Administration
University of Hawai‘i System

**University of Hawai‘i
Capital Improvements Program**

**Fiscal Biennium 2007-2009
Supplemental Year 2008-2009**

Capital Improvements Program Budget Request

The Governor’s Recommended Executive Capital Improvements Program (CIP) Budget for Supplemental Year 2008-2009 includes seven projects for the University of Hawai‘i totaling \$100.588 million. The following is a breakdown of the request by campus and means of finance.

<u>Campus</u>	<u>Supplemental Year 2008-2009</u>
University of Hawai‘i at Mānoa	27,195,000
University of Hawai‘i at Hilo	23,393,000
<u>University of Hawai‘i – Systemwide</u>	<u>50,000,000</u>
Total	100,588,000
 <u>Means of Finance</u>	
General Obligation Bond Fund	86,971,000
Revenue Bonds	13,617,000

The seven projects included in the Governor’s Recommended Executive CIP Budget meet the goals and objectives of the University’s Strategic Plan by maintaining and improving campus structures to promote a nurturing learning and working environment. Details on the seven projects are attached (pages 2-8). Also included is a worksheet comparing the Board of Regents’ CIP Budget with the Governor’s Recommended Executive CIP Budget (pages 9-16). Additionally, details on the Board of Regents’ CIP Budget for Supplemental Year 2008-2009 is attached (pages 17-42). The Regents’ CIP Budget totals \$378.731 million for 26 high priority projects.

Proposed Lapse of CIP Projects

There are no proposed lapses of University CIP projects.

**UNIVERSITY OF HAWAII
CAPITAL IMPROVEMENTS PROGRAM
FISCAL BIENNIUM 2007-2009
SUPPLEMENTAL YEAR 2008-2009
(IN THOUSANDS)**

Priority	Project	Program ID	Amount Required	Justification
			2008-2009	
1	Health, Safety, and Code Requirements University of Hawaii System	UOH 900		<p>This project provides for correction of identified health, safety, and code deficiencies for University Programs, Systemwide. The current request includes improvements for programs at the University of Hawaii at Manoa and Honolulu Community College.</p> <p><u>University of Hawaii at Manoa</u> Projects to be undertaken at the University of Hawaii at Manoa include:</p> <ul style="list-style-type: none"> • Fire Safety Improvements • Institute for Astronomy, Waiakoa Laboratory, Cesspool Closure and Installation of Septic Tank System <p><u>Honolulu Community College</u> One projects will be undertaken at Honolulu Community College:</p> <ul style="list-style-type: none"> • New Elevators at the Library Building for Accessibility
	<p>Design and construction for modifications to existing facilities and/or construction of new facilities for health, safety, and code requirements.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p>		<p>– 389 C 1,100 C –</p>	
	<p>Senatorial District: Statewide Representative District: Statewide</p>		1,489	

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Priority	Project	Program ID	Amount Required	Justification
			2008-2009	
2	Capital Renewal and Deferred Maintenance University of Hawaii System	UOH 900		<p>The University of Hawaii's physical plant has accumulated a backlog of repairs and maintenance (R&M) due to the lack of general funds. This project includes reroofing, mechanical and electrical systems, renovations, resurfacing, repainting, and other improvements and project costs to upgrade facilities at all University campuses.</p> <p>Facilities provide the centerpiece around which all other educational activities exist at higher education institutions. The total replacement value of all University of Hawaii facilities is estimated at \$1.6 billion. Therefore, it is imperative to reinvest in the University's physical plant to ensure that the physical infrastructure facilitates the mission of the institution.</p> <p>The role of R&M is to maintain the physical infrastructure and facilities of our campuses so that they are functional, architecturally sound, aesthetically pleasing, and in compliance with building and safety codes to support quality instruction, research, student, and community services programs.</p>
	<p>Plans 500 C</p> <p>Design 4,800 C</p> <p>Construction 43,210 C</p> <p>Equipment 1 C</p>			
	Supplemental Request		48,511	
	<p>Senatorial District: Statewide</p> <p>Representative District: Statewide</p>			

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Priority	Project	Program ID	Amount Required	Justification
			2008-2009	
3	<p>Women's Locker Room Improvements for Title IX Compliance University of Hawaii at Manoa</p> <p>Design, construction, and equipment for renovations and improvements to the Women's Locker Room. Project to include ground and site improvements, equipment and appurtenances, and all related project costs.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p> <p>Senatorial District: 10 Representative District: 24</p>	UOH 100	-	<p>This project will provide for the renovation of the existing locker room and related areas in the Duke Kahanamoku Aquatic Complex. At present time, there is no team locker room for the Women's Water Polo program. Additionally, the women's swimming and diving locker rooms are too small for the number of student athletes. This project addresses gender equity by improving the conditions for women's athletics.</p> <p>The University of Hawaii is committed to provide comparable facilities for women's programs with the men's athletic programs. The project will address facility inequities that currently exist between the men's and women's athletic programs.</p>
			375 C 2,500 C 320 C 3,195	

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Priority	Project	Program ID	Amount Required	Justification
			2008-2009	
4	<p>Energy Conservation Modifications–Air Conditioning Retrofits University of Hawaii at Manoa</p> <p>Design and construction for modification of air conditioning systems. Project to include retrofit of existing air conditioning equipment for energy conservation measures.</p> <p>Plans Design Construction Equipment</p>	UOH 100	<p>–</p> <p>300 C</p> <p>2,200 C</p> <p>–</p>	<p>The University of Hawaii at Manoa is facing a major challenge in addressing the escalating electricity cost resulting from rising fuel/oil prices and mandatory price increases. The implementation of energy retrofits to reduce electrical consumption is essential in reducing the demand for energy. The project will provide more efficient air conditioning technologies which will improve the operational effectiveness of the system and result in a projected reduction of more than one million kilowatt hours of electrical consumption.</p> <p>This project will replace the existing air conditioning system at the Bilger Addition with more energy efficient technologies.</p>
	<p>Supplemental Request</p> <p>Senatorial District: 10 Representative District: 24</p>			

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			2008-2009	
5	Electrical Generator with Heat Recovery University of Hawaii at Hilo	UOH 210		<p>This project will develop a new electrical generator at the University of Hawaii at Hilo to provide a dedicated power source to the campus. The campus currently relies completely on the local electrical utility, and is subject to short-term power interruptions.</p> <p>The University of Hawaii at Hilo does not have emergency generators for individual buildings, which creates an unsafe condition for students in times of power outages. During power outages, critical areas of the campus are left without power, which includes student housing (which serves both University of Hawaii at Hilo and Hawaii Community College students), food services, research laboratories, computing center, and other high priority areas.</p>
	Plans 200 C Design 300 C Construction 2,999 C Equipment 1 C <hr/> Supplemental Request 3,500			
	Senatorial District: 1 Representative District: 2			<p>The project will also capture heat as a result of generating electricity. The heat will generate hot water, which will be used to heat the swimming pool at University of Hawaii at Hilo's Student Life Complex.</p>

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Priority	Project	Program ID	Amount Required	Justification
			2008-2009	
6	<p>Hawaiian Language Building University of Hawaii at Hilo</p> <p>Design, construction, and equipment for the Hawaiian Language Building. Project to include ground and site improvements, development of new facility, equipment and appurtenances, and all related project costs.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p> <p>Senatorial District: 1 Representative District: 2</p>	UOH 210	-	<p>The College of Hawaiian Language at the University of Hawaii at Hilo is a primary source of Hawaiian language support in the State of Hawaii and a national leader in indigenous language and cultural revitalization. The success of the College of Hawaiian Language has been recognized by academics and the media both nationally and internationally.</p> <p>Currently, the College of Hawaiian Language is dispersed in several buildings in cramped spaces. A new facility is required to consolidate the College for current and future program expansion, which is necessary to further develop the University of Hawaii at Hilo as a leader in cultural and language revitalization and a model for other indigenous people.</p> <p>This project will provide a state of the art facility that will increase the visibility of the College of Hawaiian Language and supply the physical resources to accommodate continued curriculum development, high-technology learning, distance education needs, and serve as the area to host the many indigenous peoples from across the globe who frequently visit the College of Hawaiian Language's model programs.</p>
			100 C 18,014 C 1,779 C	
			19,893	

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Priority	Project	Program ID	Amount Required	Justification
			2008-2009	
7	<p>Campus Center Renovation and Addition University of Hawaii at Manoa</p> <p>Design, construction, and equipment for renovations and an addition to the Campus Center Complex. Project to include ground and site improvements, development of new facility, renovation of existing facilities, equipment and appurtenances, and all related project costs.</p> <p>Plans Design Construction Construction Equipment Supplemental Request</p> <p>Senatorial District: 10 Representative District: 24</p>	UOH 100	-	<p>The project includes renovations at the Campus Center and Hemenway Hall, and the development of a new addition to the Campus Center.</p> <p>The Campus Center Complex consists of two buildings: Campus Center and Hemenway Hall. Campus Center was originally constructed in 1974, and Hemenway Hall was constructed in 1938. Due to the advanced age of the facilities, the buildings are in need of renovation, which includes infrastructure, technology, and accessibility improvements. The project also includes the development of an addition which will include a fitness center, gyms, and showers to enhance student activities on the Manoa Campus. The project is necessary for improved activities and opportunities for University of Hawaii at Manoa students.</p> <p>The project will include the renovation of existing Campus Center Complex facilities, providing more efficient facilities with suitable infrastructure. The project will enclose current open and underutilized spaces, which will provide more space for student activities as well as student related retail spaces. The addition will provide a fitness center, gyms, and other support infrastructure to improve student life at the University of Hawaii at Manoa.</p>
			1 C 7,881 C 13,617 E 1 C	
			21,500	

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Priority	Project	BOR Budget	Governor's Budget
		2008-2009	2008-2009
1	Health, Safety, and Code Requirements University of Hawaii System		
	Plans	-	-
	Design	389 C	389 C
	Construction	1,100 C	1,100 C
	Equipment	-	-
	Supplemental Request	1,489	1,489
2	Capital Renewal and Deferred Maintenance University of Hawaii System		
	Plans	1,500 C	500 C
	Design	11,512 C	4,800 C
	Construction	84,547 C	43,210 C
	Equipment	327 C	1 C
	Supplemental Request	97,886	48,511
3	Waianae Education Center Leeward Community College		
	Plans	-	-
	Land Acquisition	3,814 C	-
	Design	835 C	-
	Construction	5,747 C	-
	Equipment	314 C	-
	Supplemental Request	10,710	0

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		2008-2009	2008-2009
4	Native Hawaiian Success Centers University of Hawaii System		
	Plans	500 C	-
	Design	-	-
	Construction	-	-
	Equipment	-	-
	Supplemental Request	500	0
5	Infrastructure Improvements University of Hawaii System		
	Plans	202 C	-
	Design	2,154 C	-
	Construction	3,814 C	-
	Equipment	51 C	-
	Supplemental Request	6,221	0
6	Women's Locker Room Improvements for Title IX Compliance University of Hawaii at Manoa		
	Plans	-	-
	Design	375 C	375 C
	Construction	2,500 C	2,500 C
	Equipment	320 C	320 C
	Supplemental Request	3,195	3,195

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		2008-2009	2008-2009
7	Energy Conservation Modifications–Air Conditioning Retrofits University of Hawaii at Manoa		
	Plans	-	-
	Design	300 C	300 C
	Construction	2,200 C	2,200 C
	Equipment	-	-
	Supplemental Request	2,500	2,500
8	Information Technology Center University of Hawaii–Systemwide		
	Plans	-	-
	Design	3,792 C	-
	Construction	50,637 C	-
	Equipment	-	-
	Supplemental Request	54,429	0
9	New Gymnasium to Replace Klum Gym University of Hawaii at Manoa		
	Plans	238 C	-
	Design	-	-
	Construction	-	-
	Equipment	-	-
	Supplemental Request	238	0

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		2008-2009	2008-2009
10	Education and Innovation Instructional Facility Leeward Community College		
	Plans	-	-
	Design	1 C	-
	Construction	20,863 C	-
	Equipment	2,315 C	-
	Supplemental Request	23,179	0
11	Advanced Technology Training Center Honolulu Community College		
	Plans	-	-
	Design	1 C	-
	Construction	32,756 C	-
	Equipment	3,635 C	-
	Supplemental Request	36,392	0
12	New Classroom Building University of Hawaii at Manoa		
	Plans	1 C	-
	Design	7,517 C	-
	Construction	-	-
	Equipment	-	-
	Supplemental Request	7,518	0
13	Electrical Generator with Heat Recovery University of Hawaii at Hilo		
	Plans	200 C	200 C
	Design	300 C	300 C
	Construction	2,999 C	2,999 C
	Equipment	1 C	1 C
	Supplemental Request	3,500	3,500

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		2008-2009	2008-2009
14	Hawaiian Language Building University of Hawaii at Hilo		
	Plans	-	-
	Design	100 C	100 C
	Construction	18,014 C	18,014 C
	Equipment	1,779 C	1,779 C
	Supplemental Request	19,893	19,893
15	Major CIP Planning University of Hawaii-Systemwide		
	Plans	12,800 C	-
	Design	-	-
	Construction	-	-
	Equipment	-	-
	Supplemental Request	12,800	0
16	Science Building Maui Community College		
	Plans	-	-
	Design	1 C	-
	Construction	33,430 C	-
	Equipment	3,710 C	-
	Supplemental Request	37,141	0
17	College of Education, New Building University of Hawaii at Manoa		
	Plans	1 C	-
	Design	4,109 C	-
	Construction	-	-
	Equipment	-	-
	Supplemental Request	4,110	0

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		2008-2009	2008-2009
18	Emergency Operations Center University of Hawaii at Hilo		
	Plans	1 C	-
	Design	199 C	-
	Construction	1,700 C	-
	Equipment	300 C	-
	Supplemental Request	2,200	0
19	Campus Center Renovation and Addition University of Hawaii at Manoa		
	Plans	-	-
	Design	1 C	1 C
	Construction	7,881 C	7,881 C
	Construction	13,617 E	13,617 E
	Equipment	1 C	1 C
Supplemental Request	21,500	21,500	
20	Gartley Hall Renovation University of Hawaii at Manoa		
	Plans	-	-
	Design	1 C	-
	Construction	10,166 C	-
	Equipment	1 C	-
	Supplemental Request	10,168	0

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		2008-2009	2008-2009
21	Performing Arts Facility and Parking Structure University of Hawaii at Manoa		
	Plans	-	-
	Design	3,599 C	-
	Construction	-	-
	Equipment	-	-
	Supplemental Request	3,599	0
22	Law School Expansion and Renovation University of Hawaii at Manoa		
	Plans	-	-
	Design	7,241 C	-
	Construction	-	-
	Equipment	-	-
	Supplemental Request	7,241	0
23	Utility Grid, Phase IV-Telecommunications Infrastructure University of Hawaii at Hilo		
	Plans	-	-
	Design	1 C	-
	Construction	351 C	-
	Equipment	-	-
	Supplemental Request	352	0

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		2008-2009	2008-2009
24	Student Housing Dormitories University of Hawaii at Hilo		
	Plans	1 C	-
	Design	3,719 C	-
	Construction	-	-
	Equipment	-	-
	Supplemental Request	3,720	0
25	College of Pharmacy Building University of Hawaii at Hilo		
	Plans	-	-
	Design	5,500 C	-
	Construction	-	-
	Equipment	-	-
	Supplemental Request	5,500	0
26	Student Life Complex-Covered Basketball Court University of Hawaii at Hilo		
	Plans	-	-
	Design	1 C	-
	Construction	2,500 C	-
	Equipment	249 C	-
	Supplemental Request	2,750	0
	University of Hawaii - Totals	378,731	100,588
	<u>Means of Finance</u>		
	C General Obligation Bond Fund	365,114 C	86,971 C
	E Revenue Bonds	13,617 E	13,617 E

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			2008-2009	
1	Health, Safety, and Code Requirements University of Hawaii System	UOH 900		<p>This project provides for correction of identified health, safety, and code deficiencies for University Programs, Systemwide. The current request includes improvements for programs at the University of Hawaii at Manoa and Honolulu Community College.</p> <p><u>University of Hawaii at Manoa</u> Projects to be undertaken at the University of Hawaii at Manoa include:</p> <ul style="list-style-type: none"> • Fire Safety Improvements • Institute for Astronomy, Waiakoa Laboratory, Cesspool Closure and Installation of Septic Tank System <p><u>Honolulu Community College</u> One projects will be undertaken at Honolulu Community College:</p> <ul style="list-style-type: none"> • New Elevators at the Library Building for Accessibility
	<p>Design and construction for modifications to existing facilities and/or construction of new facilities for health, safety, and code requirements.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p>		<p>– 389 C 1,100 C –</p>	
	<p>Senatorial District: Statewide Representative District: Statewide</p>			

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			2008-2009	
2	Capital Renewal and Deferred Maintenance University of Hawaii System	UOH 900		<p>The University of Hawaii's physical plant has accumulated a backlog of repairs and maintenance (R&M) due to the lack of general funds. This project includes reroofing, mechanical and electrical systems, renovations, resurfacing, repainting, and other improvements and project costs to upgrade facilities at all University campuses.</p> <p>Facilities provide the centerpiece around which all other educational activities exist at higher education institutions. The total replacement value of all University of Hawaii facilities is estimated at \$1.6 billion. Therefore, it is imperative to reinvest in the University's physical plant to ensure that the physical infrastructure facilitates the mission of the institution.</p> <p>The role of R&M is to maintain the physical infrastructure and facilities of our campuses so that they are functional, architecturally sound, aesthetically pleasing, and in compliance with building and safety codes to support quality instruction, research, student, and community services programs.</p>
	<p>Plans 1,500 C</p> <p>Design 11,512 C</p> <p>Construction 84,547 C</p> <p>Equipment 327 C</p> <p>Supplemental Request 97,886</p>			
	<p>Senatorial District: Statewide</p> <p>Representative District: Statewide</p>			

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			2008-2009	
3	<p>Waianae Education Center Leeward Community College</p> <p>Land acquisition, design, construction, and equipment for the Waianae Education Center. Project to include the acquisition of property, building improvements, renovation, and all project related costs.</p> <p>Plans Land Acquisition Design Construction Equipment</p>	UOH 800	<p style="text-align: center;">-</p> <p style="text-align: right;">3,814 C 835 C 5,747 C 314 C</p>	<p>This project includes the acquisition and renovation of a facility to house Leeward Community College's Waianae Education Center.</p> <p>The project will enable Leeward Community College to address the underserved higher education and workforce development needs of the Waianae region by establishing a permanent education center. The Waianae region is at the top of the list of the State Needs Assessment and Second Decade analysis when it comes to the need for State/University investment in higher education. This project will secure the funding necessary to purchase a facility and provide funding for the design and renovation of the facility. Leeward Community College has occupied leased space in Waianae since the 1980s and as a result, has paid for a facility many times over. This is a prudent investment opportunity for the University of Hawaii System and also addresses a critical higher education and budgetary need. In addition, a permanent solution to the higher education needs of the region would be well served by a facility of this kind and would be an asset that Waianae residents can take ownership of and promote as a way to overcome educational and socioeconomic adversity and challenges.</p>
	<p>Supplemental Request</p> <p>Senatorial District: 21 Representative District: 45</p>		<p style="text-align: right;">10,710</p>	

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			2008-2009	
4	Native Hawaiian Success Centers University of Hawaii System	UOH 900		<p>This project will develop facility requirements for Native Hawaiian Success Centers at University campuses, Systemwide. The project also includes citing the Success Centers on campus Long Range Development Plans.</p> <p>Native Hawaiian Success Centers will house place-centered, collaborative, and experiential learning centers. Native Hawaiian student populations are of special concern to the University of Hawaii as they are an identified underserved population, and it is critical that academic and support services be provided with facility requirements and support needs to ensure student success.</p>
	Plans Design Construction Equipment <hr/> Supplemental Request		500 C – – –	
	Senatorial District: Statewide Representative District: Statewide			<p>It is envisioned that the fully developed facilities will provide a fully integrated and modern one-stop center for academic and student support services for Native Hawaiian students. The facility will also provide for expansion of new and existing student support services that are provided on a limited basis due to space and infrastructure constraints.</p>

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5	Infrastructure Improvements University of Hawaii System	UOH 900		<p>This project provides for infrastructure improvements to support University of Hawaii campuses, Systemwide. The project provides for utility (electrical, telecommunications, water) requirements, sewer, drainage, roadway, and erosion-prevention improvements. The current request includes improvements at the University of Hawaii at Manoa and the University of Hawaii at Hilo.</p> <p><u>University of Hawaii at Manoa</u> Projects to be undertaken at the University of Hawaii at Manoa include:</p> <ul style="list-style-type: none"> • Energy Conservation Modifications–Lighting Retrofits • Coconut Island, Shore Protection and Sea Wall Repair <p><u>University of Hawaii at Hilo</u> Projects to be undertaken at the University of Hawaii at Hilo include:</p> <ul style="list-style-type: none"> • Electrical Generator with Heat Recovery • Entrance Improvements, Theater and Kapiolani Entrances • Utility Grid, Phase IV–Telecommunications Infrastructure
	<p>Plans, design, construction, and equipment for infrastructure and related improvements at University campuses, Systemwide.</p> <p>Plans 202 C Design 2,154 C Construction 3,814 C Equipment 51 C <u>Supplemental Request 6,221</u></p> <p>Senatorial District: Statewide Representative District: Statewide</p>			

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6	Women's Locker Room Improvements for Title IX Compliance University of Hawaii at Manoa Design, construction, and equipment for renovations and improvements to the Women's Locker Room. Project to include ground and site improvements, equipment and appurtenances, and all related project costs. Plans Design Construction Equipment Supplemental Request Senatorial District: 10 Representative District: 24	UOH 100	-	This project will provide for the renovation of the existing locker room and related areas in the Duke Kahanamoku Aquatic Complex. At present time, there is no team locker room for the Women's Water Polo program. Additionally, the women's swimming and diving locker rooms are too small for the number of student athletes. This project addresses gender equity by improving the conditions for women's athletics. The University of Hawaii is committed to provide comparable facilities for women's programs with the men's athletic programs. The project will address facility inequities that currently exist between the men's and women's athletic programs.
			375 C 2,500 C 320 C 3,195	

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7	Energy Conservation Modifications–Air Conditioning Retrofits University of Hawaii at Manoa	UOH 100		The University of Hawaii at Manoa is facing a major challenge in addressing the escalating electricity cost resulting from rising fuel/oil prices and mandatory price increases. The implementation of energy retrofits to reduce electrical consumption is essential in reducing the demand for energy. The project will provide more efficient air conditioning technologies which will improve the operational effectiveness of the system and result in a projected reduction of more than one million kilowatt hours of electrical consumption. This project will replace the existing air conditioning system at the Bilger Addition with more energy efficient technologies.
	Plans Design Construction <u>Equipment</u> Supplemental Request		– 300 C 2,200 C – 2,500	
	Senatorial District: 10 Representative District: 24			

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Priority	Project	Program ID	Amount Required	Justification
			2008-2009	
8	Information Technology Center University of Hawaii-Systemwide	UOH 900		<p>Although information technologies are increasingly the core of knowledge-based institutions such as universities, the University of Hawaii has shoehorned its core technology infrastructure into any available space on a piecemeal basis for more than thirty years. As a result, the campus computing center, data communications hub, phone system, and video hub are dispersed throughout the University of Hawaii at Manoa campus. None of the current facilities have adequate backup power, air conditioning, or security, and the State Auditor cited the inadequacies of the facility in their audit of the University's financial information in 2005.</p> <p>The new Information Technology Services Center will provide the following benefits:</p> <ol style="list-style-type: none"> 1) Provide the first properly designed and supported "machine room" facilities for the University that will enable the provision of reliable 24x7 university-wide technology services. The new facilities will house central computing, data networking, telephone, and video resources with reliable power, air conditioning, and connectivity to facilitate disaster recovery planning. This will reduce overall energy consumption and reduce costs for personnel required to manage and support each current facility independently. 2) The University currently has no Emergency Operations Center (EOC) with environmental conditions and communications services essential in an emergency situation. Such an EOC has requirements very similar to those of a modern information technology data center, so the new facility will also serve as the EOC for the Manoa campus and University System. 3) Provide high-quality space for faculty to develop instructional and media content in support of their teaching and research; make available new spaces for students to work with information technologies; provide access to teleconferencing and collaboration environments for members of the university community to work with colleagues and peers around the country and the world; free up general purpose space for education and research on campus; and make available high-quality data center space for units that do not have adequate space to house program-specific servers and data storage.
	<p>Design and construction for an information technology and emergency operations center building to service the University of Hawaii System and Manoa campus. Project to be located at the University of Hawaii at Manoa campus. Project to include ground and site improvements, development of new facility, and all project related costs.</p> <p>Plans -</p> <p>Design 3,792 C</p> <p>Construction 50,637 C</p> <p>Equipment -</p> <p>Supplemental Request 54,429</p> <p>Senatorial District: 10</p> <p>Representative District: 24</p>			

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			2008-2009	
9	<p>New Gymnasium to Replace Klum Gym University of Hawaii at Manoa</p> <p>Plans for a new gymnasium to replace Klum Gym. Project to include development of program requirements, site location, and other related work.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p> <p>Senatorial District: 10 Representative District: 24</p>	UOH 100	238 C	<p>This project provides for the planning of a new 26,250 gross square foot facility to replace Klum Gym. This planning effort includes the demolition of Klum Gym and a portion of the intramural locker and shower rooms, and academic support rooms to accommodate the development of a new parking structure.</p> <p>Development on the University of Hawaii at Manoa campus is guided by the 1987 Long Range Development Plan (LRDP) and the 1989 Plan Review Use (PRU) Application as directed by the City and County of Honolulu. The planning documents call for the development of a new parking structure to be built to accommodate an increase of on-campus living, such as the new Frear Hall Dormitory, and the increase in classroom and research space, such as the new Agricultural Science Building and the Pacific Ocean Science and Technology Building. The LRDP and PRU call for Klum Gym to be demolished to provide space for an addition to the parking structure, as well as space for the new Klum Gym.</p> <p>Klum Gym is approximately 50 years old and is long overdue for replacement. The walls, windows, and roof allow moisture penetration, which creates a hazardous playing condition and destroys playing surfaces and equipment for the multi-sport facility.</p>
			– – –	
			238	

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			2008-2009	
10	Education and Innovation Instructional Facility Leeward Community College	UOH 800		<p>This project will provide a new Education and Innovation Instructional Facility.</p> <p>This project is part of the first phase of Leeward Community College's approved Long Range Development Plan for campus expansion. The Education and Innovation Instructional Facility will house the Teacher Education and Training program. This program addresses the critical teacher shortage in the State and especially in the Leeward Coast of Oahu.</p> <p>Current and anticipated enrollment pressures, coupled with the need for additional classroom space, make this project a critical need. The last facility of any kind constructed at Leeward Community College occurred in 1979, when the automotive complex was built. Classroom, faculty office space, meeting space, and general institutional storage space is treated as a valuable commodity. Several academic departments have assigned three faculty members to a single office space that was originally designed for one faculty member. This facility will serve to address the most pressing academic space needs that currently exist.</p>
	<p>Design, construction, and equipment for an Education and Innovation Instructional Facility. Project to include ground and site improvements, development of new facility, equipment and appurtenances, and all project related costs.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p>		<p style="text-align: center;">-</p> <p style="text-align: right;">1 C 20,863 C 2,315 C</p>	
	<p>Senatorial District: 18 Representative District: 36</p>		23,179	

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			2008-2009	
11	Advanced Technology Training Center Honolulu Community College	UOH 800		<p>This project will provide an Advanced Technology Training Center at Honolulu Community College. The new multi-story facility will include classrooms, offices, and laboratories for various science and technology related programs and training.</p> <p>To realize the State's goal of developing a dynamic technology industry, along with a workforce to support the industry, it is imperative for the State to develop an Advanced Technology Training Center (ATTC). The development of an ATTC has long been the goal of Honolulu Community College. The College has expertise in the areas of technical workforce development and is the optimal place to house such a facility.</p>
	<p>Plans Design Construction Equipment</p>		<p style="text-align: right;">- 1 C 32,756 C 3,635 C</p>	
	Supplemental Request		36,392	<p>Over the years, Honolulu Community College has established itself as the technological training center of the Pacific. It is no small task for a State supported institution to remain flexible and expedient enough to operate and train the workforce in a rapidly changing field. Nonetheless, Honolulu Community College has managed to keep pace. Honolulu Community College's ability to remain dynamic; however, is severely limited by the age and capacity of its facilities. In fact, the current building that houses the majority of the College's science and technology programs was built over thirty years ago, well before the first, second, and third generations of the technology boom.</p>
	<p>Senatorial District: 12 Representative District: 28</p>			

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			2008-2009	
12	<p>New Classroom Building University of Hawaii at Manoa</p> <p>Plans and design for a new classroom and office building. Project to include ground and site improvements, development of new facility, equipment and appurtenances, and all related project costs.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p> <p>Senatorial District: 10 Representative District: 24</p>	UOH 100	<p>1 C 7,517 C</p> <p>— —</p>	<p>This project will design a new classroom and office building on the Manoa campus. Many of the campus buildings are old, obsolete, and lack quality space. This project will address significant problems related to the deteriorating state of many of our classroom facilities, the general lack of larger classrooms and office space to support the undergraduate education program and growing number of campuswide programs. This project will enable the University of Hawaii at Manoa to expand the classroom selections to accommodate current and near term enrollment projections, provide greater efficiencies and utilization of space, and improve our educational effectiveness.</p> <p>The development of a new classroom and office complex will also provide the University an opportunity to use the space as a surge area for programs affected by major renovations that are planned in the near term.</p> <p>Upon completion of this project, the students and faculty will be provided with modern and adequate classrooms and offices to meet ongoing demands for adequate instructional facilities.</p>
			7,518	

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			2008-2009	
13	Electrical Generator with Heat Recovery University of Hawaii at Hilo	UOH 210		<p>This project will develop a new electrical generator at the University of Hawaii at Hilo to provide a dedicated power source to the campus. The campus currently relies completely on the local electrical utility, and is subject to short-term power interruptions.</p> <p>The University of Hawaii at Hilo does not have emergency generators for individual buildings, which creates an unsafe condition for students in times of power outages. During power outages, critical areas of the campus are left without power, which includes student housing (which serves both University of Hawaii at Hilo and Hawaii Community College students), food services, research laboratories, computing center, and other high priority areas.</p>
	Plans 200 C Design 300 C Construction 2,999 C Equipment 1 C <hr/> Supplemental Request 3,500			
	Senatorial District: 1 Representative District: 2			<p>The project will also capture heat as a result of generating electricity. The heat will generate hot water, which will be used to heat the swimming pool at University of Hawaii at Hilo's Student Life Complex.</p>

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			2008-2009	
14	<p>Hawaiian Language Building University of Hawaii at Hilo</p> <p>Design, construction, and equipment for the Hawaiian Language Building. Project to include ground and site improvements, development of new facility, equipment and appurtenances, and all related project costs.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p> <p>Senatorial District: 1 Representative District: 2</p>	UOH 210	-	<p>The College of Hawaiian Language at the University of Hawaii at Hilo is a primary source of Hawaiian language support in the State of Hawaii and a national leader in indigenous language and cultural revitalization. The success of the College of Hawaiian Language has been recognized by academics and the media both nationally and internationally.</p> <p>Currently, the College of Hawaiian Language is dispersed in several buildings in cramped spaces. A new facility is required to consolidate the College for current and future program expansion, which is necessary to further develop the University of Hawaii at Hilo as a leader in cultural and language revitalization and a model for other indigenous people.</p> <p>This project will provide a state of the art facility that will increase the visibility of the College of Hawaiian Language and supply the physical resources to accommodate continued curriculum development, high-technology learning, distance education needs, and serve as the area to host the many indigenous peoples from across the globe who frequently visit the College of Hawaiian Language's model programs.</p>
			<p>100 C 18,014 C 1,779 C</p>	
			19,893	

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			2008-2009	
15	Major CIP Planning University of Hawaii–Systemwide	UOH 900		<p>This project provides for major CIP planning for University of Hawaii Programs, Systemwide. The current request includes planning documents for the University of Hawaii at Manoa, University of Hawaii at Hilo, and Honolulu and Kapiolani Community Colleges.</p> <p><u>Long Range Development Plans</u> Long Range Development Plans (LRDP) are required for all University campuses as they provide the foundation for a comprehensive and cohesive campus design utilizing facilities to meet the educational goals and needs of the University. The University will update campus LRDPs to ensure the long range physical development plan conforms with academic strategic plans. LRDPs included in this request include: University of Hawaii at Hilo (main campus and Mohouli/Kapiolani Property); Honolulu Community College; and Kapiolani Community College.</p> <p><u>Project Development Reports</u> Advanced planning for new facilities and renovations of existing buildings have proven to be an integral part of the capital improvements program process. This request provides for the preparation of definitive program statements, cost estimates, and logistical timetables for project implementation. The following is a list of PDRs requested:</p> <ul style="list-style-type: none"> • <u>University of Hawaii at Manoa</u>: New Research Facilities; and Student Housing, Renovations and New Developments. • <u>University of Hawaii at Hilo</u>: Student Housing, Renovations and New Developments.
	<p>Plans for long range development plan updates, project development reports, and other University facility planning requirements.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p> <p>Senatorial District: Statewide Representative District: Statewide</p>			

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			2008-2009	
16	Science Building Maui Community College	UOH 800		<p>This project will provide a new science building at Maui Community College. The new facility will include classrooms, offices, and laboratories for various science related programs.</p> <p>The facilities that support Maui Community College science programs are completely inadequate. The overall lack of physical space and the poor condition of existing spaces have negatively impacted the program's ability to deliver instructional services and meet student needs. Programs with incompatible needs are often forced to share spaces, creating problems with experiments and other complex laboratory set ups. The lack of facilities also limits the number of classes/sections that can be offered at a time when the demand for science courses are growing. Other problems include: inadequate storage facilities (including spaces for hazardous materials); inadequate electrical, gas, and water for lab equipment and experiments; and a lack of integrated space where science faculty can interact.</p> <p>The new building will be designed to provide a uniquely integrated space for effective science instruction including dedicated laboratory and classroom spaces. With the new facility, the College will be able to meet existing needs as well as support emerging degree offerings that address student, community, and workforce needs.</p>
	<p>Design, construction, and equipment for a Science Building. Project to include ground and site improvements, development of new facility, equipment and appurtenances, and all related project costs.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p> <p>Senatorial District: 4 Representative District: 8</p>		<p>–</p> <p>1 C 33,430 C 3,710 C</p> <p>37,141</p>	

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			2008-2009	
17	College of Education, New Building University of Hawaii at Manoa	UOH 100		<p>This project will develop a new 60,000 gross square foot facility to replace an educational building lost in a fire on June 13, 2006. The project also includes the demolition of two existing old wooden structures that are inadequate and poses a safety hazard.</p> <p>The building destroyed in the fire was an old 20,000 gross square foot facility that housed the faculty and staff of the College of Education, the Center for Curriculum Research and Design Group (CRDG), and the Center for Disability Studies. The facility also housed a portion of the College of Education's Laboratory School, which serves as the "research laboratory" for the faculty of the CRDG, who have generated significant amounts of extramural funds. The new facility will allow all functions previously conducted in the burned building and old structures to be housed in modern, accessible, and safe facilities.</p>
	<p>Plans 1 C</p> <p>Design 4,109 C</p> <p>Construction -</p> <p>Equipment -</p> <p>Supplemental Request 4,110</p>			
	<p>Senatorial District: 10</p> <p>Representative District: 24</p>			<p>The University of Hawaii at Manoa has identified a 300,000 square foot classroom and office space deficit. The loss of the 20,000 square foot building exacerbated this space shortfall, and the new facility will help to meet the space needs of the campus.</p>

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			2008-2009	
18	Emergency Operations Center University of Hawaii at Hilo	UOH 210		<p>This project will provide for an emergency operations center that will be hurricane and earthquake resistant, and integrated with emergency communication and notification system.</p> <p>The campus currently uses a small 100 square foot security office in the Auxiliary Services Building as its emergency operations center. The facility, constructed in the 1960s, is constructed of a long-span corrugated metal roof and jalousie windows that can not withstand hurricane force winds or a moderate earthquake. The current facility is too small and lacks an emergency communication and notification system.</p> <p>The project will develop an improved emergency operations center which is adequate in space as well as structurally reliable.</p>
	<p>Plans 1 C</p> <p>Design 199 C</p> <p>Construction 1,700 C</p> <p>Equipment 300 C</p> <hr/> <p>Supplemental Request 2,200</p>			
	<p>Senatorial District: 1</p> <p>Representative District: 2</p>			

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			2008-2009	
19	<p>Campus Center Renovation and Addition University of Hawaii at Manoa</p> <p>Design, construction, and equipment for renovations and an addition to the Campus Center Complex. Project to include ground and site improvements, development of new facility, renovation of existing facilities, equipment and appurtenances, and all related project costs.</p> <p>Plans Design Construction Construction Equipment Supplemental Request</p> <p>Senatorial District: 10 Representative District: 24</p>	UOH 100	-	<p>The project includes renovations at the Campus Center and Hemenway Hall, and the development of a new addition to the Campus Center.</p> <p>The Campus Center Complex consists of two buildings: Campus Center and Hemenway Hall. Campus Center was originally constructed in 1974, and Hemenway Hall was constructed in 1938. Due to the advanced age of the facilities, the buildings are in need of renovation, which includes infrastructure, technology, and accessibility improvements. The project also includes the development of an addition which will include a fitness center, gyms, and showers to enhance student activities on the Manoa Campus. The project is necessary for improved activities and opportunities for University of Hawaii at Manoa students.</p> <p>The project will include the renovation of existing Campus Center Complex facilities, providing more efficient facilities with suitable infrastructure. The project will enclose current open and underutilized spaces, which will provide more space for student activities as well as student related retail spaces. The addition will provide a fitness center, gyms, and other support infrastructure to improve student life at the University of Hawaii at Manoa.</p>
			1 C 7,881 C 13,617 E 1 C	
			21,500	

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			2008-2009	
20	<p>Gartley Hall Renovation University of Hawaii at Manoa</p> <p>Design, construction, and equipment for the renovation of Gartley Hall. Project to include ground and site improvements, renovation of existing facility, equipment and appurtenances, and all related project costs.</p> <p>Plans Design Construction Equipment</p> <p>Supplemental Request</p> <p>Senatorial District: 10 Representative District: 24</p>	UOH 100	-	<p>Gartley Hall was originally constructed in 1921 and is one of the oldest buildings on the Manoa Campus in use today. It is one of five buildings in the "Old Quadrangle" listed in the State and National Registers of Historic Places.</p> <p>A project development report is currently being produced which will address the current and future occupant and program requirements in the building. This report will propose alternatives in modifying the spaces for more efficient and effective instruction and research.</p> <p>Other than routine repairs and maintenance, Gartley Hall has not undergone a major renovation. This project will renovate the facility to: maximize the use of space; correct health, safety, and other code deficiencies; and make the facility accessible to people with disabilities.</p> <p>Upon completion of the project, the academic programs will be provided with modern and adequate offices, seminar rooms, and conference rooms to meet instructional and research needs.</p>
			1 C 10,166 C 1 C	
			10,168	

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			2008-2009	
21	Performing Arts Facility and Parking Structure University of Hawaii at Manoa	UOH 100		<p>The Performing Arts Facility will consolidate the Department of Theatre and Dance classes and faculty offices which are presently scattered in six different locations around the University of Hawaii at Manoa campus. The new facility will provide much needed space for faculty offices, classrooms, seminar rooms, dance studios, audio-visual rooms, performance spaces, rehearsal spaces, film and video classes, storage rooms, workshops, and locker/restroom facilities. By consolidating the teaching, rehearsal, and performance studios, students and faculty will be brought into closer proximity with one another and teaching, learning, and performing will be much more effective.</p> <p>Kennedy Theatre was built for performances, not a teaching venue. As a result, classes take place in bathrooms, on the lanai, and in the foyer of the theatre. Rehearsals are conducted in the College of Education Laboratory School across campus. Sound from the mainstage makes it impossible to use the Ernst Laboratory, which is adjacent to the mainstage, at the same time the mainstage is in use. The department is seriously hampered in its ability to provide educational and performance opportunities for students and is unable to expand its offerings to meet student demand because of the lack of appropriate facilities.</p> <p>The Department of Theatre and Dance has a world class Asian Theatre program, a children's theatre that gives performances to over 6,000 school children annually, and a full Western, traditional, modern and avant garde performance schedule.</p> <p>The project also includes the development of a new 480 stall parking structure to replace the surface parking lot which will be displaced by the development of the Performing Arts Facility.</p>
	<p>Design for a performing arts facility at the University of Hawaii at Manoa. Project to include ground and site improvements, development of new facilities and parking, equipment and appurtenances, and all related project costs.</p> <p>Plans -</p> <p>Design 3,599 C</p> <p>Construction -</p> <p>Equipment -</p> <p>Supplemental Request 3,599</p> <p>Senatorial District: 10</p> <p>Representative District: 24</p>			

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			2008-2009	
22	<p>Law School Expansion and Renovation University of Hawaii at Manoa</p> <p>Design for the expansion and renovation of the William S. Richardson School of Law. Project to include ground and site improvements, development of new facility, renovation of existing facility, equipment and appurtenances, and all related project costs.</p> <p>Plans Design Construction <u>Equipment</u></p>	UOH 100	<p>–</p> <p>7,241 C</p> <p>–</p> <p>–</p>	<p>This project includes a 25,000 square foot addition to the Law School Library, and a 22,000 square foot addition, including a concourse to link the two buildings. Plans for this addition include a campus cafe and bookstore, informal seminar spaces, and an appropriate new entrance addition to the west, which will also provide room for the School's special community-focused programs. The project also includes measures to buffer the noise from Dole Street and to upgrade the air conditioning system.</p> <p>The Law School Library is at capacity and unable to make its full collection accessible or to store valuable archival material. Technology and computer training spaces are inadequate, as are rooms for special programs and staff. At the main Law School building, additional classroom space is needed, particularly for seminars and teaching with technology. In addition, new space is necessary to accommodate the Law School's existing and future specialty programs, such as the recently established Excellence in Native Hawaiian Law. Moreover, there is no clear, easily accessible entrance to the Law School or suitable access for the public to the Law School's programs and clinics. Social space, especially informal seminar space, and food service space that would facilitate a more cohesive intellectual atmosphere, is lacking. In addition, two chronic functional complaints are of Dole Street noise and uncontrollable frigid air conditioning.</p>
	<p>Supplemental Request</p> <p>Senatorial District: 10 Representative District: 24</p>		7,241	

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			2008-2009	
23	Utility Grid, Phase IV-Telecommunications Infrastructure University of Hawaii at Hilo Design and construction for telecommunications infrastructure for the University of Hawaii at Hilo. Project to include ground and site improvements, development of new facility, equipment and appurtenances, and all related project costs.	UOH 210	-	This project will develop a data communications building in the University of Hawaii at Hilo's University Park. The building will serve as a hub for facilities in the University Park and the data connecting point to the University of Hawaii at Hilo's main campus. As the University of Hawaii at Hilo further develops its programs into the University Park, along with other governmental and private science related tenants (including the Smithsonian, USDA, and telescope and astronomy facilities), a need for a consolidated telecommunications system has arisen. Developing the data communications building will enable the University of Hawaii at Hilo to meet the demand for data communication for educational and research purposes, and to link the University Park facilities to the main campus.
	Plans Design Construction <u>Equipment</u> Supplemental Request		- 1 C 351 C - 352	
	Senatorial District: 1 Representative District: 2			

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			2008-2009	
24	Student Housing Dormitories University of Hawaii at Hilo	UOH 210		This project will initiate a plan to develop additional student housing units at the University of Hawaii at Hilo. The University of Hawaii at Hilo's enrollment has grown thirty percent in the past five years. As the enrollment grows, so too does the wait list for on-campus housing. During Fall 2007, there were over 350 students on the housing wait list, despite the University executing housing agreements with four off-campus apartment complexes and hotel operators. The need for on-campus student housing is exacerbated by the lack of a public transportation system in Hilo, making commuting to the campus difficult.
	Plans Design Construction Equipment <u>Supplemental Request</u>		1 C 3,719 C - - 3,720	
	Senatorial District: 1 Representative District: 2			The project will investigate the logistics, costs, and implementation schedule for the development of on-campus student housing and/or the acquisition of nearby properties to be converted into student housing.

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			2008-2009	
25	College of Pharmacy Building University of Hawaii at Hilo	UOH 210		<p>This project will develop a new facility to house the College of Pharmacy. The building will include classrooms, teaching laboratories, offices, and other related spaces in accordance with the Accreditation Council of Pharmacy Education standards and guidelines.</p> <p>Hawaii is one of only a few states in the nation that does not provide pharmacology education. Health professional workforce shortages in pharmacy is expected to increase. Proactive education of a new generation of pharmacy health professionals will ensure quality health care and anchor the workforce needs of the State. Hawaii students pursuing a degree in pharmacy are forced to leave Hawaii to receive necessary education and credentials. The development of the College of Pharmacy building will enable local students to study in Hawaii, thereby meeting their educational needs as well as the State's need for professionals in this field.</p> <p>This project provides the physical infrastructure needed for the pharmacy degree program at the University of Hawaii at Hilo. The pharmacy degree program has the potential of becoming the largest graduate program at the University of Hawaii at Hilo, and will bring the Campus the expertise in quality academic science curriculum that will benefit the University at large.</p>
	<p>Design for the College of Pharmacy Building. Project to include ground and site improvements, development of new facility, equipment and appurtenances, and all related project costs.</p> <p>Plans Design Construction Equipment</p> <hr/> <p>Supplemental Request</p> <p>Senatorial District: 1 Representative District: 2</p>		<p>– 5,500 C – –</p> <hr/> <p>5,500</p>	

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Priority	Project	Program ID	Amount Required	Justification
			2008-2009	
26	Student Life Complex–Covered Basketball Court University of Hawaii at Hilo Design, construction, and equipment for a covered basketball court at the University of Hawaii at Hilo's Student Life Complex. Plans Design Construction Equipment Supplemental Request Senatorial District: 1 Representative District: 2	UOH 210	-	This project continue the development of the Student Life Complex, which is necessary to support student activities at the University of Hawaii at Hilo. The Covered Basketball Court was included in the original project scope of the Student Life Complex, which includes a swimming pool and support spaces; however, it was not developed due to the lack of funds. The project will develop a new covered basketball court, which is necessary due to the inclement weather in Hilo. The provision of student activity facilities, such as the covered basketball court, will assist the University of Hawaii at Hilo to recruit and retain its students.
			1 C 2,500 C 249 C 2,750	