

**Presentation – Mānoa Chancellor Virginia S. Hinshaw
University of Hawai'i Board of Regents
January 10, 2008**

Aloha! I'm delighted to have the opportunity to share exciting developments at UH Manoa – and believe me it is never boring.

This last month has been a rollercoaster for everyone but I believe these events have emphasized that the “Manoa Moment” is here and now.

Many of you joined us in New Orleans for the experience of a lifetime watching our very own Warriors compete in the Sugar Bowl. It was thrilling, and I am so proud of our entire institution, particularly our athletics program, for being able to accomplish that experience and to our community for their unbelievable support – mahalo to all. This experience generated great pride in being affiliated with UH – it was palpable and visible in New Orleans. Such experiences are refreshing and good for the soul and definitely should happen more than once every 100 years. Through athletics, folks learned a lot about UH Manoa.

June's departure and the focus on inadequate facilities and unmet promises to address those underlined the need and the opportunity for change.

The state of facilities on the Mānoa campus did not get this way overnight, it took decades to accumulate this backlog, and it will take a tremendous effort by all of our supporters to have facilities that can support our mission.

The Sugar Bowl experience underlined our capacity to achieve greatness – but, without a major effort and change in how we do business, we will continue to have brilliant moments of greatness that dim quickly. We must feel a sense of urgency and use creative solutions for our facilities issues – public/private partnerships, restoration of our state procurement exemption, assuming appropriate debt, and the list goes on.

Those are resource related but there is another aspect. I was asked when I first arrived, What makes a great institution? My answer then and now is nimbleness and flexibility.

We need to bring everything possible to bear on the facilities issues for UHM. In essence, we must build a new campus here at UH Manoa – a beautiful, intellectually stimulating center of activity for the university and our community – that is my vision.

We have made progress in these areas, which I will share with you today.

A destination of choice for students, faculty and staff, the citizens of Hawai'i and beyond

This is my top priority and the biggest challenge – to attract world class students, faculty, staff, community members, coaches, and athletes to join our campus ohana and form a

community. Facilities are key to that. I'm excited to have David Hafner, our new Asst. VC for Facilities on board - his new analysis has been methodical and has some chilling assessments:

The current replacement value for our infrastructure is approximately \$3 Billion. Our deferred maintenance backlog has been chronically underestimated, our new estimate using business standard analyses indicate upwards of \$400,000,000. Our current facilities workforce is only able to react to breakdowns on campus, about 950 work orders a month, with a backlog of 4,607 work orders.

Less than 5% of our efforts are expended on preventive maintenance, making the future full of more of the same experiences. This map has indications of where we currently have major building systems failures and that's not surprising since most buildings here are reaching the end of their useful lives. And 37 of them have leak issues.

Costs are increasing – sewage up 82% in 6 months; construction costs 10% inflation rate, any delays are vastly expensive.

I also want to report some of the progress Dave and his crew have been making. I am appreciative of their efforts and especially for their dedication to our campus and our students.

Our electricity usage is down by 6 and ½ % from last year due to R&M upgrades, which saves us \$1.3 million annually at current rates.

Facilities is participating for the first time in a process which serves as a nation-wide benchmark for campus facilities performance and allows comparison with peer institutions.

Facilities is changing its mode of operation to meet our needs.

Initiated a Design Review to determine the future of Edmondson and Snyder Halls

I do have some other good news to present on how we attract people to our campus: The Frear Hall project is on time and on budget as of this week. We expect to come to you this spring for approvals of contracts to move forward with the renovation of the four residential towers, to result in more dorm rooms that present an attractive experience for our students.

Plans are moving forward for the renovation of the Campus Center. We will be working to convince the Legislature to provide additional funds for that project to provide facilities for all students to study, relax, and exercise as a part of their student experience. Vice Chancellor Hernandez is taking a lead role in expanding mental health urgent-care services to all UH campuses. Our counseling center will be providing direct mental health services focusing on training and emergency intervention services for all UH campuses. Also, our student health services has established a partnership with Leeward Community

College whereby we will operate their student health services using a nurse practitioner based on their campus.

UH Mānoa was listed among the “Best Western Schools” in Princeton Review’s 2008 “Best Colleges” guidebook, and was also named one of the best overall values on the book’s “America’s Best Value Colleges” list. (8/23)

Entering MBA students have raised the bar at the Shidler College of Business by breaking school records for the highest average score on the Graduate Management Admissions Test (GMAT: 632 out of 800), highest Grade Point Average (GPA: 3.4 out of 4.0) and the highest average years of professional work experience (5 years).

With its newly established Master’s Entry Program in Nursing (MEPN), UH Mānoa has joined 60 leading national nursing programs in providing fast track entry to a nursing career. The MEPN was designed for adult learners with no prior nursing experience/education, who have a baccalaureate degree or beyond in another field, and are leadership-bound with a focus on advanced practice nursing.

UH Mānoa has seen an increase of 16% in the number of international students who attend our University since 2002, we host 1/3 of all the international students who study in Hawai‘i.

We also are home to 528 International faculty, staff, and scholars, which is a 34% increase since 2002.

We have increased participation of our students in Study Abroad and Exchange Programs by 30% since 2002.

I have commissioned students to begin a signage project to give an identity of University of Hawaii at Manoa as an international place of learning, guide the visitors, students and faculty members to their destinations in the campus and develop consistent, uniform and harmonious signs while furthering a sense of Hawaiian place.

A leading, global research university performing at the highest levels and solving society’s problems

We are becoming the first university in the world with the capability to design, build, launch, and control our own satellites. The Hawai‘i Space Flight Laboratory combines researchers from the College of Engineering and the School of Ocean and Earth Sciences and Technology with the goal of launching its first space mission by Fall 2009.

The John A. Burns School of Medicine will be involved in the largest study of child and human health ever conducted in the United States. The National Children’s Study will track children and sample the air and chemicals around them for over two decades, from before birth until they turn 21. One thousand O’ahu families will take part.

Researchers at Manoa’s plant and environmental protection sciences department are producing and distributing tissue-cultured banana plants to help Hawai‘i banana growers

fight banana bunchy top virus. Plants infected early with BBTV do not bare fruit, and fruits of later infected plants are typically stunted, unattractive and not saleable. The disease is transmitted by a small soft-bodied insect known as the banana aphid. BBTV was first reported in Hawai'i in 1989 and has since spread progressively.

The John A. Burns School of Medicine has been recognized as one of the country's leading medical centers in diabetes research.

Technology developed by a UH Mānoa researcher to produce charcoal from green waste is generating revenue for UH and holds promise for wide commercial use. Not only does the charcoal carry potential use as a fuel, it also has applications in improving soil fertility.

A UH Mānoa professor has been part of a team whose 'ultrasound' of the Earth's crust reveals inner workings of a 'tsunami factory' and may help explain why part of the seafloor near the southwest coast of Japan is particularly good at generating devastating tsunamis.

UH Mānoa has been awarded a grant to assess the potential risk to human health and the environment of an historic chemical warfare material disposal site about 5 miles south of the entrance to Pearl Harbor in waters greater than 1,000 feet deep. A full array of state-of-the-art technologies owned and operated by the School of Ocean Earth Science and Technology (SOEST) will be employed to assess the location and condition of the disposal site.

A School of Ocean and Earth Science and Technology professor is the lead author of a paper that reveals that Helium in lavas from ocean islands, such as Hawai'i, may be derived from a part of the Earth's mantle that has retained most of the gases originally incorporated into the Earth during its accretion, 4.5 billion years ago.

During a 4-week expedition to the Northern Hawaiian Islands aboard the UH research ship Kilo Moana, an international team of research scientists mapped a large area of the seafloor around the northern Hawaiian Islands and located and sampled numerous previously unknown volcanoes using the Jason2 robotic submarine.

A collaborative effort among the Curriculum Research and Development Group (CRDG) in the College of Education, the Hawai'i Department of Education, and Texas Instruments, will investigate the use of formative assessment in a networked classroom as it affects middle school students' learning of algebra concepts and will involve middle school teachers throughout Hawai'i.

A University of Hawai'i Sea Grant College Program funded researcher has been looking into ways to forecast tsunami impacts during the early stage of the event.

A senior professor of meteorology co-authored a study that introduces a new way of detecting lightning outbreaks within a hurricane over the ocean in real time from thousands of miles away, giving forecasters new insight into just how powerful an oncoming storm may be.

Researchers at the University of Hawai‘i and the Hawai‘i Agriculture Research Center have been working with a range of crops to determine the best-suited options and production methods for biodiesel crops for Hawai‘i farmers.

Two UH astronomers using the Hubble Space Telescope believe they have identified what makes at least some quasars shine: the black hole at the center of a massive galaxy with little gas of its own is gobbling up material from a colliding gas-rich galaxy. UH researchers and geology students traveled to New Zealand to observe a unique volcanic mudflow event and document the effects when a volcanic mudflow broke through the banks of a volcanic lake.

A team of researchers in the College of Tropical Agriculture and Human Resources conducted research on fountain grass (*Pennisetum setaceum*), which is highly invasive in Hawai‘i and variably invasive in other parts of the world, and addressed whether genetic variation in the species allow it to adapt to new environments globally. The findings show that the species is pre-adapted to thrive under a broad range of ecological conditions and suggest important implications for management of fountain grass where it is invasive.

The William S. Richardson School of Law’s ‘Ahahui o Hawai‘i conducts outreach and efforts to increase the number of Native Hawaiians admitted to law school. The Center for Disability Studies (CDS) received the 2007 Multicultural Council Award for Leadership in Diversity from the Association of University Centers on Disabilities (AUCD). The award specifically honors CDS as the sponsor of the Pacific Rim Conference, an event that furthers cultural diversity.

The Na‘au Pono Initiative at the William S. Richardson School of Law Center for Excellence in Native Hawaiian Law promotes education, scholarships, community outreach, and collaboration on issues of law, culture, and justice for Native Hawaiians and other Pacific and Indigenous peoples.

The Ka‘imi‘ike Program is engaged in an initiative to increase the number of Native Hawaiian and Pacific Islander undergraduate students in geoscience degree programs and careers.

The Osher Reentry Scholars program funds adult students aged 25-50 who are either starting their college education or returning after more than 5 years to complete their college studies.

UH Mānoa recently hosted a world conference on Filipino language. Of the 952 students at UH Mānoa’s College of Engineering, females now represent nearly 20 percent of the undergraduates, and 23 percent of graduate students. In 1975 it was 7 percent of undergraduates and 4 percent of graduate students.

According to Dr. Lynnae Sauvage of JABSOM's OB-GYN & Women's Health department, women have begun to play a much more significant leadership role at the JABSOM over the past 15 years, and JABSOM may "have the most women chairs, department chair level of any medical school in the United States."

The John A. Burns School of Medicine will begin training primary-care physicians on islands other than Oahu. Its new three-year Neighbor Island residency program, scheduled to launch next year, is based on the theory that doctors trained in a certain community will tend to remain there.

This fiscal year, over \$15 million in charitable gifts have been designated by donors – alumni, friends, parents, corporations and foundations – to programs at UHM and I thank them for their support.

Enhancing revenues we receive from the State of Hawaii, tuition and other sources, private gifts and public/private partnerships will propel this University towards greatness in its second century. I am working closely with the UH Foundation to build a development department for UH Manoa that will multiply our effectiveness in the alumni and fundraising arena.

Over the last six months, the Shidler College of Business, with the help of matching funds provided by Jay Shidler's \$25 million gift, has been able to establish 7 new endowments including 2 distinguished professorships.

Other gifts of note include a \$500,000 investment from the Henry Luce Foundation's Initiative on East and Southeast Asian Archeology and Early History to the Department of Anthropology. The goal of the training program is to equip Asian archeologists for greater involvement in the international world of archaeology.

BAE Systems, Hawai'i's largest defense contractor, recently presented a check for \$107,000 for six scholarships at the College of Engineering.

An alumna celebrating her 'golden anniversary' of graduating from the College of Tropical Agriculture and Human Resources just made a first-time gift of \$10,000 to thank the College.

The Gordon and Betty Moore Foundation granted \$1.995 million to fund some equipment for the C-More facility (Center for Microbial Oceanography: Research and Education), an initiative lead by Professor David Karl. Professor Karl's work reflects the potential I know we have throughout UH Manoa, and the support he receives from the Moore Foundation is critical to his success.

Now is the time to transform this campus and mutually beneficial partnerships are the key to our future in my view – with our community of alumni and supporters, our legislature, our global colleagues. We live on this wonderful group of islands with an impressive host culture – your university at UH Manoa does and will serve this state in the best of ways,

but we growing and sustaining that service will require new investments and new strategies. We must become more comfortable with appropriate risk – and we must be able to communicate successes widely.

The Athletics experience has generated great waves of pride and, to be honest, despair during a short period of time – we must maintain our momentum and “Ride the Pride” into this new year and second century – it truly has every potential to be a century of greatness and, with the help and investment of our many partners, certainly including you, we will make that happen. Mahalo!