

EEPttestimony

From: Wade.Mukai@interfaceflor.com
Sent: Sunday, March 15, 2009 8:38 PM
To: EEPtestimony
Subject: In support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII
Importance: High

Bill No. 504
Support Y N
Date 3/19/09
Time 2038
Cat AF AS AX WI
Type 1 2 WI

Testimony of Wade T. Mukai

Account Executive- Hawaii / InterfaceFLOR LLC

96-210 Waiawa Road, Unit #112

Tel: 808-782-2214 / E-mail: wade.mukai@interfaceflor.com

In support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII

Before the

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, Chair

Rep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members,

My name is Wade T. Mukai. I am of Account Executive- Hawaii / IntefaceFLOR LLC.

Bill SB504 SD1 provides for an appropriation of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Hawai'i of Manoa (UHM).

InterfaceFLOR LLC **supports** enactment of Bill SB504 SD2.

The State's investment of \$207,000 for the program for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2million in energy savings at UHM as well as savings at DOE schools and the creation of a green workforce.

The goals of the sustainability internship program are to:

- create green jobs in Hawaii's fastest growing sectors of the economy
- save the University of Hawaii and the State millions of dollars in operating costs each year
- train DOE schools to substantially cut operating costs through energy efficiency

-create opportunities for students to gain empowering experience, supportive connections and access to green careers in Hawaii

The Sustainable Saunders program has:

- found \$146,000 in annual no-cost energy savings in Saunders Hall

- found \$700,000 in annual no-cost energy savings in the Hamilton Library

- shown the potential for similar campus wide savings in that **UHM** uses 3.2x the amount of energy/sqft as UCSanta Barbara

The proposed sustainability internship program would:

- energy audit UHM's campus with the goal of finding a minimum of \$2million in energy savings campus wide
- help DOE schools to find energy savings in response to requests such as these:

"I am wondering if your group that did an environmental impact study of a building at UH has a business doing this type of thing? My son's school is facing financial problems and they may have to let go of some teachers. If you have a business doing this I would like to refer his principal to you for a consultation."

- Create a much needed 'green' work force for Hawaii – the fastest growing sectors of Hawaii's economy is renewable energy: (8.4%, 4 times greater growth than Hawaii's average) as well as environmental consulting at 4.1% growth.
- UH could be the focus of the nation for sustainability which would gain it credibility, financial support as well as a higher student retention rate.

The proposed sustainability internship program would benefit:

Students and Youth

- Gain experience and be able to work in a field that they are interested instead of part-time jobs unrelated to professional pursuits or academic life.
- Training in sustainable practices/principles that can be used for green careers in Hawaii

The UHM Campus

- Gives national recognition for sustainability
- Attracts more students that are interested in sustainability
- The program is based on a proven business model that has been financially self-sustaining within two years at Harvard and UC Berkeley.

The State of Hawai'i

- Creates an experienced, educated workforce for growing economic sectors as well as affordable entry-level positions in sustainability.
- Gives employers opportunities to pilot positions and candidates
- Helps retain Hawaii's best and most dedicated students

Thank you for providing this opportunity to testify.

Wade T. Mukai
Account Executive

InterfaceFLOR
Pacific South - Hawaii / Guam

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Pearl City, HI 96782
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Need Samples? Log onto InterfaceFLOR website- <http://www.interfaceflor.com>

Need TAC TILES installation information / product specs - <http://www.interfaceflor.com/tactiles>

Need Sustainability Information? - <http://www.interfacesustainability.com>

i2 Collection Website - <http://www.interfaceflooring.com/entropy2>

EEPttestimony

From: roger dunn [rogerdunn@gmail.com]
Sent: Sunday, March 15, 2009 10:57 PM
To: EEPtestimony
Subject: Re: Sustainable Saunders Internship Bill! :D

Bill No. 504
Support Y N
Date 3/15/09
Time 2057
Cat AF AS AX BC
Type 1 2 WI

Testimony of Roger Y Dunn

Photonworks LLC

1188 Bishop St. Honolulu, HI 96813

Tel: 808-951-4100 E-mail:rogerdunn@gmail.com

In support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII

Before the

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, Chair

Rep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members,

My name is Roger Dunn. I am with Photon works LLC and I am a project manager / engineer.

Bill SB504 SD1 provides for an appropriation of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Hawai'i of Manoa (UHM).

Photonworks and Roger Dunn supports enactment of Bill SB504 SD2.

We are in the business of solar design, manufacturing, installation and consulting. We are always seeking highly-educated, passionate and motivated workers to expand our solar business. There is a high demand in the industry and our company to find individuals who have the ability to reduce costs for our customers through energy efficiency (lighting and air-conditioning) upgrades and solar design. Solar involves using daylight via skylights, light sensors, solar fans to reduce a/c use, and solar hot water to reduce dependency on gas or electric water heater tanks. Solar Photovoltaics enables our customers to sell excess energy production in the day to be used at night. We are currently seeking interns but need funding to justify bringing someone new to our company. If the intern is not paid, we are likely to lose a high-quality individual, let alone even attract a talented individual.

The State's investment of \$207,000 for the program for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2million in energy savings at UHM as well as savings at DOE schools and the creation of a green workforce.

The goals of the sustainability internship program are to:

- create green jobs in Hawaii's fastest growing sectors of the economy
- save the University of Hawaii and the State millions of dollars in operating costs each year
- train DOE schools to substantially cut operating costs through energy efficiency
- create opportunities for students to gain empowering experience, supportive connections and access to green careers in Hawaii

Creating green jobs will offer Hawaii an industry other than tourism, military or housing construction. It will be a way to decrease the amount of money leaving our state due to our energy needs for oil. Green jobs can not be outsourced. Installers of all solar products, lighting and air-conditioning are all on-site and local hires. Our schools, esp. UH needs to be more energy efficient. By setting a good example, students learn good energy-efficiency habits and spread this knowledge back home and to the office after graduation. It will also attract the smartest of minds around the world to make Hawaii independent from fossil fuel energy. All current players in the solar market learned from an existing solar company. Many of these companies don't like to be burdened by those who know nothing. All of these companies appreciate an engineer or an electrician or a plumber who already understands solar and it's applications.

The Sustainable Saunders program has:

- found \$146,000 in annual no-cost energy savings in Saunders Hall
- found \$700,000 in annual no-cost energy savings in the Hamilton Library
- shown the potential for similar campus wide savings in that **UHM** uses 3.2x the amount of energy/sqft as UCSanta Barbara

The proposed sustainability internship program would benefit:

Students and Youth

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- Training in sustainable practices/principles that can be used for green careers in Hawaii

The UHM Campus

- Gives national recognition for sustainability
- Attracts more students that are interested in sustainability
- The program is based on a proven business model that has been financially self-sustaining within two years at Harvard and UC Berkeley.

The State of Hawai'i

- Creates an experienced, educated workforce for growing economic sectors as well as affordable entry-level positions in sustainability.
- Gives employers opportunities to pilot positions and candidates
- Helps retain Hawaii's best and most dedicated students

Thank you for providing this opportunity to testify.

Full details of the Bill hearing can be found at:

http://www.capitol.hawaii.gov/session2009/hearingnotices/HEARING_EEP_03-17-09_.HTM

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Thomas Friedman's 'Hot, Flat, and Crowded' "

*Energy Efficiency Engineer

*LEED EB Accredited Professional

*Solar Consultant - Fans, Skylights, Hot Water, PV

*Real Estate Agent - ElitePacific.com

*Fitness Personal Trainer

Testimony of SHANAH TREVENNA
Student Sustainability Coordinator, UHM Sustainable Saunders
tel: 808-772-1874 e-mail: trevenna@hawaii.edu

In support of Bill SB504 SD2 RELATING TO THE UNIVERSITY OF HAWAII

Before the
COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, Chair Rep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members,

I am testifying in support of Bill SB504 SD2.

My name is Shanah Trevenna and I am the Student Sustainability Coordinator of Sustainable Saunders, an initiative at the University of Hawaii at Manoa to evolve Saunders Hall into a model of sustainability for the campus and beyond. Previous to this role I have worked as a mechanical engineer for various companies in Canada. In addition to my engineering work at IBM, I worked in their internship program, both as an intern for 16 months, and as a coordinator. I interviewed students throughout the country for intern positions and matched them with opportunities and served as mentor.

In my current role I often speak at high schools and when I ask which students will stay in Hawaii after they graduate, no one raises their hand. When asked why, they always state that there is no opportunity here. This program would provide accessible, meaningful, well paying career paths for students in Hawaii. All internships which will be piloted this year including with the Gas Company, the Board of Water Supply, the Coast Guard and Electricians Inc. did not exist before we created the positions with the sponsors. And many more employers have expressed interest. Employers are eager to participate because they can pilot positions and candidates in a low risk, low cost, short term manner as well as gain from our expertise in identifying significant savings. Our program is very unique because it builds on the successful culture of Sustainable Saunders which has proven successful in engaging, training and retaining generation Y students. While efforts are being made on UHM's campus for energy savings, none offer this engagement nor the creation and access to green careers. This program would complement all programs currently in place at UHM providing additional helping hands for the admirable energy goals of the administration.

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Support Y N

Date 3/14/09

Time 8:37

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Type 1 2 WI

In my role I also receive letters Statewide asking for help in finding energy savings, especially from the DOE. This excerpt is an example:

“I am wondering if your group that did an environmental impact study of a building at UH has a business doing this type of thing? My son's school is facing financial problems and they may have to let go of some teachers. If you have a business doing this I would like to refer his principal to you for a consultation.”

This program would train DOE students to do energy audits of their schools to find energy savings. We are piloting this portion of the program at Roosevelt High School with great success. We launched the program by presenting our culture and successes at UHM, which inspired them that they could do it too. Then during our visits we assist the students on sustainable policy and projects. They also write us often for guidance, as well as connections to professional advice and services from the community.

In June of 2008 I presented at Harvard University to Sustainability Coordinators from across the country. Our step-by-step explanation of our program received top honors and invitations to present around the country. UH could be the focus of the nation for sustainability which would gain us credibility and attract federal and private financial support. UH would also attract dedicated students since a recent survey shows U.S. students are twice as likely to choose a school based on sustainability compared to just three years ago.

This program is based on a proven business model that has been financially self-sustaining within two years at Harvard and UC Berkeley. With its guaranteed return on investment to the State of Hawaii, it is a sound economic investment that will enrich education and the work force and create a more secure energy and financial future for Hawaii.

The State's investment of \$207,000 for the Sustainable Saunders Internship Program(SSIP) SB504 for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2million in energy savings at UHM. It would also train DOE schools to substantially cut operating costs through energy efficiency and create a green work force for Hawaii's fastest growing economic sectors such as Energy and Environmental Consulting.

The SSIP program would mentor students to apply proven methods used by the Sustainable Saunders program which has:

- implemented \$146,000 in annual no-cost energy savings in Saunders Hall
- found \$700,000 in annual no-cost energy savings in the Hamilton Library
- shown the potential for similar campus wide savings in that UHM uses 3.2x the amount of energy/square foot as UCSanta Barbara

The program would also create a much needed 'green' work force for Hawaii – the fastest growing sectors of Hawaii's economy is renewable energy: (8.4%, 4 times greater

growth than Hawaii's average) as well as environmental consulting at 4.1% growth. The creation of affordable entry-level positions in sustainability would help retain Hawaii's best and most dedicated students.

I thank you for the opportunity to testify in support of Bill SB504 SD2.

Sincerely,
Shanah

Shanah Trevenna BSc.Mech.Eng.
Student Sustainability Coordinator
University of Hawaii at Manoa, Sustainable Saunders
<http://sustainablesaunders.hawaii.edu>
trevenna@hawaii.edu
808-772-1874

Testimony of Chloe Milligan
Sustainable Saunders/ UH Manoa
1043 B Nehoa St
Honolulu, HI 96822

Tel: (805)455-7400 E-mail: Chloejm@hawaii.edu

In support of SB 504 RELATING TO THE UNIVERSITY OF HAWAII

Before the
COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, ChairRep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members,

My name is Chloe Milligan. I am an intern for Sustainable Saunders a RIO from the University of Hawaii at Manoa.

SB 504 provides for an appropriate of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Hawai'i of Manoa (UHM). Chloe Milligan **supports** enactment of SB 504

The State's investment of \$207,000 for the program for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2million in energy savings at UHM as well as savings at DOE schools and the creation of a green workforce.

The goals of the sustainability internship program are to:

- create green jobs in Hawaii's fastest growing sectors of the economy
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Bill No. 504

Support N

Date 3/14/09

Time 12/9

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The proposed sustainability internship program would:

- energy audit UHM's campus with the goal of finding a minimum of \$2million in energy savings campus wide
- help DOE schools to find energy savings in response to requests such as these:
 "I am wondering if your group that did an environmental impact study of a building at UH has a business doing this type of thing? My son's school is facing financial problems and they may have to let go of some teachers. If you have a business doing this I would like to refer his principal to you for a consultation."
- Create a much needed 'green' work force for Hawaii – the fastest growing sectors of Hawaii's economy is renewable energy: (8.4%, 4 times greater growth than Hawaii's average) as well as environmental consulting at 4.1% growth.
- UH could be the focus of the nation for sustainability that would gain them credibility, financial support as well as a higher student retention rate.

The proposed sustainability internship program would benefit:

Students and Youth

- Gain experience and be able to work in a field that they are interested instead of part-time jobs unrelated to professional pursuits or academic life.
- Training in sustainable practices/principles that can be used on resume as well as makes connections and networks within the same field.

The UHM Campus

- Gives national recognition for sustainability
- Attracts more students that are interested in sustainability
- The program is based on a proven business model that has been financially self-sustaining within two years at Harvard and UC Berkeley.

The state of Hawai'i

- Creates an experienced, educated workforce for growing economic sectors as well as affordable entry-level positions in sustainability.
- Gives employers opportunities to pilot positions and candidates
- Helps retain Hawaii's best and most dedicated students

Thank you for providing this opportunity to testify.

Chloe Milligan
chloejm@hawaii.edu
(805)455-7400

EEPtestimony

From: t_smitty2@hotmail.com on behalf of trevor smith [tdsmith@hawaii.edu]
Sent: Saturday, March 14, 2009 2:05 PM
To: EEPtestimony

Trevor Smith
2585 dole st.
Honolulu, HI 96822

In support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII

Before the
COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, Chair

Rep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members,
My name is Trevor Smith.

Bill SB504 SD1 provides for an appropriation of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Hawai'i of Manoa (UHM).
Company/Name supports enactment of Bill SB504 SD2.

The State's investment of \$207,000 for the program for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2million in energy savings at UHM as well as savings at DOE schools and the creation of a green workforce.

The goals of the sustainability internship program are to:
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The Sustainable Saunders program has:
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- shown the potential for similar campus wide savings in that UHM uses 3.2x the amount of energy/sqft as UCSanta Barbara

The proposed sustainability internship program would:
energy audit UHM's campus with the goal of finding a minimum of \$2million in energy savings campus wide
help DOE schools to find energy savings in response to requests such as these:

"I am wondering if your group that did an environmental impact study of

Bill No. 504

Support Y N

Date 3/14/09

Time 1405

Cat AF AS AX B C

Type 1 2 WI

a building at UH has a business doing this type of thing? My son's school is facing financial problems and they may have to let go of some teachers. If you have a business doing this I would like to refer his principal to you for a consultation."

Create a much needed 'green' work force for Hawaii - the fastest growing sectors of Hawaii's economy is renewable energy: (8.4%, 4 times greater growth than Hawaii's average) as well as environmental consulting at 4.1% growth.

UH could be the focus of the nation for sustainability which would gain it credibility, financial support as well as a higher student retention rate.

The proposed sustainability internship program would benefit:

Students and Youth

Gain experience and be able to work in a field that they are interested instead of part-time jobs unrelated to professional pursuits or academic life.

Training in sustainable practices/principles that can be used for green careers in Hawaii

The UHM Campus

Gives national recognition for sustainability

Attracts more students that are interested in sustainability

The program is based on a proven business model that has been

financially self-sustaining within two years at Harvard and UC Berkeley.

The State of Hawai'i

Creates an experienced, educated workforce for growing economic sectors as well as affordable entry-level positions in sustainability.

Gives employers opportunities to pilot positions and candidates

Helps retain Hawaii's best and most dedicated students

Thank you for providing this opportunity to testify.

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Bill No. 504

Support Y N

Date 3/15/09

Time 849

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Type 1 2 WI

Testimony of Luciano Minerbi, AICP

University of Hawaii Professor of Urban and Regional Planning

2444 Hihiwai St. no. 2005 Honolulu, HI 96826

Tel: E-mail: luciano@hawaii.edu

In support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII

Before the

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, Chair

Rep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members,

My name is Luciano Minerbi. I am a Professor at UH Manoa, but I testify only as an individual, at my own time, and I do not represent UH.

Bill SB504 SD1 provides for an appropriation of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Hawai'i of Manoa (UHM).

I support enactment of Bill SB504 SD1.

As a faculty member teaching courses and modules on sustainability I am available to advise students on promoting sustainability in Hawaii and assisting some of the students who would work as sustainability interns.

I can do that informally or formally through Plan 752 Directed Project or Plan 399 Directed Readings in Planning. These courses (and others) provides opportunities for "service learning", thus linking education to meaningful employment as the proposed internships.

Sustainability will not become a reality in Hawaii until educated and trained labor force will be available locally for emerging sustainable businesses. Research and Development (R&D) for sustainability should be an overt effort in Hawaii as it can also become the best export industry for us in addition to meet local needs.

Partnerships between UH public and private sectors is needed for Hawaii to become really a sustainable state.

Mahalo for the opportunity to testify

Luciano Minerbi, Dr. Arch., MUP, AICP

Professor

University of Hawaii

Department of Urban and Regional Planning

Saunders Hall 107

Honolulu, HI, 96822, USA

<http://www.durp.hawaii.edu>

Phone: 808-956-6869

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EEPtestimony

Bill No. 504

From: leyla cabugos [cabugos@gmail.com]
Sent: Sunday, March 15, 2009 5:14 PM
To: EEPtestimony
Subject: Testimony in support of the Sustainable Saunders Internship Bill

Support Y N

Date 3/15/09

Time 1405

Cat AF AS AX B C

Type 1 2 WI

Testimony of Leyla Cabugos
MS Botany, UH Manoa 2008
2424 Waiomao Rd., Apartment A, Honolulu, HI 96816
Tel: 808.561.3754
E-mail: cabugos@gmail.com

In support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII

Before the

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, Chair

Rep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members,

My name is Leyla Cabugos. I am a recent graduate of the University of Hawai'i at Manoa.

Bill SB504 SD1 provides for an appropriation of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Hawai'i of Manoa (UHM).

Leyla Cabugos **supports** enactment of Bill SB504 SD2.

As a recent graduate of the University of Hawai'i at Manoa, where my work with native plant species for green roofs lead me to interface with Sustainable Saunders, I observed first hand how the program has strengthened the sense of community on our largely commuter campus, inspired students to get involved in community service, and empowered students to build job skills from their commitment to environmental stewardship. This last point is of critical importance as we enter the job market in a changing economy, where most employers expect new hires to have on the job experience and show leadership qualities. For students like myself, who go directly to graduate school, work to earn tuition, and participate in community service activities in our free time, an internship experience that provides all of these elements is an incredible boon. I only wish there had been an opportunity to participate in the Sustainable Saunders initiative as a paid intern while I was a student, as it would have helped me tremendously in my current search for meaningful employment.

The Sustainable Saunders Internship Program promises to be an effective means of decreasing the University of Hawaii's energy bill, providing necessary job skills training and experience and cultivating a sense of community and student engagement for a more sustainable Hawai'i.

I can think of no more positive and productive way in which the Legislature could support the empowerment and employment potential of Hawaii's students, increase our prospects for a sustainable future.

The State's investment of \$207,000 for the program for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2million in energy savings at UHM as well as savings at DOE schools and the creation of a green workforce.

The goals of the sustainability internship program are to:

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- shown the potential for similar campus wide savings in that **UHM** uses 3.2x the amount of energy/sqft as UCSanta Barbara

The proposed sustainability internship program would:

- energy audit UHM's campus with the goal of finding a minimum of \$2million in energy savings campus wide
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“I am wondering if your group that did an environmental impact study of a building at UH has a business doing this type of thing? My son's school is facing financial problems and they may have to let go of some teachers. If you have a business doing this I would like to refer his principal to you for a consultation.”

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Thank you for providing this opportunity to testify.

Full details of the Bill hearing can be found at:

http://www.capitol.hawaii.gov/session2009/hearingnotices/HEARING_EEP_03-17-09_.HTM

Testimony of ERIK KVAM
Chief Executive Officer of Zero Emissions Leasing LLC
2800 Woodlawn Drive, Suite 131, Honolulu, Hawaii 96822
tel: 808-371-1475 e-mail: ekvam@zeroemissions.us

Bill No. 504

Support Y N

Date 3/15/09

Time ~~10:28~~ 10:28

Cat AF AS AX B C

In support of SB 504 SD 2 RELATING TO THE UNIVERSITY OF HAWAII

Before the
HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

Type 1 2 WI

March 17, 2009, 8:30 a.m.

Good afternoon, Chair Morita, Vice-Chair Coffman and members of the Committee.

My name is Erik Kvam. I am the CEO of a Hawaii solar power developer called Zero Emissions Leasing LLC ("Zero Emissions").

SB 504 provided for an appropriation of \$207,000 for fiscal year 2009-2010, and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Manoa (UHM). Zero Emissions SUPPORTS enactment of SB 504.

The State's investment of \$207,000 for the program for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2 million in energy savings at UHM as well as savings at DOE schools and the creation of a green work force.

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 "I am wondering if your group that did an environmental impact study of a building at UH has a business doing this type of thing? My son's school is facing financial problems and they may have to let go of some teachers. If you have a business doing this I would like to refer his principal to you for a consultation."
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- Gives national recognition for sustainability
- Attracts more students that are interested in sustainability
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The State of Hawai'i

- Creates an experienced, educated workforce for growing economic sectors as well as affordable entry-level positions in sustainability.
- Gives employers opportunities to pilot positions and candidates
- Helps retain HI's best and most dedicated students

Thank you for providing this opportunity to testify.

EEPtestimony

From: Jeremy Kowalczyk [jeremymk@hawaii.edu]
Sent: Sunday, March 15, 2009 4:37 PM
To: EEPtestimony
Subject: Testimony in support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII

Testimony of _Jeremy M. D. Kowalczyk

_University of Hawaii

_2505 Correa Rd., Honolulu, HI 96822

Tel: 808-956-6252 E-mail: jeremymk@hawaii.edu

In support of Bill SB 504, SD2
<http://www.capitol.hawaii.gov/session2009/Bills/SB504_SD2_.pdf>
RELATING TO THE UNIVERSITY OF HAWAII

Bill No. 504

Support Y N

Date 3/15/09

Time 10:37

Cat AF AS AX B C

Type 1 2 WI

Before the

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, Chair

Rep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members,

My name is Jeremy Kowalczyk. I am the Energy Coordinator for the Sustainable Saunders Initiative at the University of Hawaii at Manoa._

Bill SB504 SD1 provides for an appropriation of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Hawai'i of Manoa (UHM). _ _

Jeremy Kowalczyk *supports* enactment of Bill SB504 SD2.

A sustainability internship program at University of Hawaii at Manoa (UHM) is an essential ingredient in making the university a leader in sustainability, reducing the universities operating budget, and increasing the sustainability of local businesses in Hawaii. In the past year, the Sustainable Saunders initiative at UHM has already managed to save ~\$100,000 annually through elimination of incandescent lights, removal of excess lighting, and night-time shutdowns of the air-conditioning system. Similar programs in Hamilton Library are projected to save ~\$700,000 annually. These are just two of over 50 buildings on campus, so you can see the potential is huge on campus and similar throughout Hawaii. The group has the knowledge and experience to mentor interns in the implementation of such projects both on and off campus.

Not only would the intership program save the University money, but it would also form a symbiotic relationship with the community. Interns would be trained in "green" jobs, readying them for the workforce. A good sustainability rating for the University would draw more students to it. The program will actually become self-sustaining after a couple of years while making the campus and local businesses (those hiring interns) more sustainable.

The State's investment of \$207,000 for the program for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2million in energy savings at UHM as well as savings at DOE schools and the creation of a green workforce.

The goals of the sustainability internship program are to:

- create green jobs in Hawaii's fastest growing sectors of the economy
- save the University of Hawaii and the State millions of dollars in operating costs each year
- train DOE schools to substantially cut operating costs through energy efficiency
- create opportunities for students to gain empowering experience, supportive connections and access to green careers in Hawaii

The Sustainable Saunders program has:

- found \$146,000 in annual no-cost energy savings in Saunders Hall
- found \$700,000 in annual no-cost energy savings in the Hamilton Library
- shown the potential for similar campus wide savings in that *UHM *uses 3.2x the amount of energy/sqft as UCSanta Barbara

The proposed sustainability internship program would:

*

energy audit UHM's campus with the goal of finding a minimum of \$2million in energy savings campus wide

*

help DOE schools to find energy savings in response to requests such as these:

"I am wondering if your group that did an environmental impact study of a building at UH has a business doing this type of thing? My son's school is facing financial problems and they may have to let go of some teachers. If you have a business doing this I would like to refer his principal to you for a consultation."

*

Create a much needed 'green' work force for Hawaii - the fastest growing sectors of Hawaii's economy is renewable energy: (8.4%, 4 times greater growth than Hawaii's average) as well as environmental consulting at 4.1% growth.

*

UH could be the focus of the nation for sustainability which would gain it credibility, financial support as well as a higher student retention rate.

The proposed sustainability internship program would benefit:

Students and Youth

o

Gain experience and be able to work in a field that they are interested instead of part-time jobs unrelated to professional pursuits or academic life.

o

Training in sustainable practices/principles that can be used for green careers in Hawaii

The UHM Campus

o

Gives national recognition for sustainability

o

Attracts more students that are interested in sustainability

o

The program is based on a proven business model that has been financially self-sustaining within two years at Harvard and UC Berkeley.

The State of Hawai'i

o

Creates an experienced, educated workforce for growing economic sectors as well as affordable entry-level positions

in sustainability.

o

Gives employers opportunities to pilot positions and candidates

o

Helps retain Hawaii's best and most dedicated students

Thank you for providing this opportunity to testify.

<http://www.capitol.hawaii.gov/session2009/hearingnotices/HEARING_WAM_02-27-09_.HTM>

Full details of the Bill hearing can be found at:

http://www.capitol.hawaii.gov/session2009/hearingnotices/HEARING_EEP_03-17-09_.HTM

--

Jeremy Kowalczyk

Energy Coordinator

University of Hawaii at Manoa, Sustainable Saunders

<http://groups.google.com/group/sustainable-saunders-energy>

jeremymk@hawaii.edu

808-227-8839

EEPtestimony

From: yankeelove@gmail.com on behalf of Mari Takemoto-Chock [maritc@hawaii.edu]
Sent: Sunday, March 15, 2009 10:31 PM
To: EEPtestimony
Subject: Testimony of Mari Takemoto-Chock

Testimony of Mari Takemoto-Chock
UH Manoa Undergraduate Student

38 S. Judd St., Tower 2, Apt. 23A
Honolulu, HI 96817

Tel: 808-936-6435
E-mail: maritc@hawaii.edu

In support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII

Before the COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, Chair

Rep. Denny Coffman, Vice Chair

Bill No. 504
Support Y N
Date 3/15/09
Time 2031
Cat AF AS AX B C
Type 1 2 WI

Aloha Representative Morita, Representative Coffman and committee members,

My name is Mari Takemoto-Chock, and I am an undergraduate student at the University of Hawai'i of Manoa (UHM).

Bill SB504 SD1 provides for an appropriation of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the UHM.

I support the enactment of Bill SB504 SD2.

As a full-time undergraduate student, I have struggled to find a part-time job even somewhat related to my field of interest. A sustainability internship would help me gain valuable work experience while making me a more competitive applicant for graduate programs and/or jobs in sustainability. Furthermore, the internship program would bolster the UHM's reputation for sustainability, attracting top students dedicated to the green movement. By putting students in a working environment, helping them network with local businesses and giving them access to future green jobs, there is a greater chance that those top students will stay in Hawaii and continue to contribute to a more sustainable local community.

Not to mention, the program more than pays for itself: it is the intern's job to find ways to save the university and the state money in energy bills. The long-term benefits of the program substantially outweigh its initial costs.

The Sustainable Saunders program has an excellent record in finding ways for the university to cut back on its energy use. The internship program will be in good hands under their watch.

Thank you for providing this opportunity to testify.

Testimony of David Aquino
Student at UH Manoa

Tel: 808-842-7901

E-mail: daquino@hawaii.edu

In support of SB 504 RELATING TO THE UNIVERSITY OF HAWAII

Before the
Committee of Energy and Environmental Protection

Tuesday March 17, 2009 8:30 am

Rep. Hermina M. Morita, Chair

Rep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members

My name is David Aquino. I am a student of the University of Hawaii Manoa

Bill SB504 SD1 provides for an appropriate of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Hawai'i of Manoa (UHM).

David Aquino **supports** enactment of Bill SB504 SD1.

I was born and raised on this island of Oahu. I graduated from Roosevelt High School in 2005 and was very interested in extending my education in the environmental policy field focusing on sustainable development, but at the time there were no opportunities in the islands for me to get involved in. I planned on attending UH Manoa for two years (just to do my required liberal courses) before moving away to San Francisco to pursue environmental policy there. But, just last year I came across an amazing group of students, faculty and community members working for the same sustainable vision that I wanted to pursue, and that group was Sustainable Saunders. I learned about the possibility of creating our very own Sustainability Internship Program and my eyes were suddenly opened to the endless possibilities for sustainable initiatives right here at home in the islands. We have the opportunity, the man power and the passion to put the University of Hawaii and the State of Hawaii on the leading progressive edge for sustainable initiatives in the nation. With the establishment of a sustainable internship program, I think it will give students like me the incentive and opportunity to stay here in the islands to contribute our knowledge and creativity to the sustainable movement here in Hawaii. For the cleaner, economically vibrant and socially solid future of our beautiful State of Hawaii, please pass Bill SB504 SD1.

The State's investment of \$207,000 for the program for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2million in energy savings at UHM as well as savings at DOE schools and the creation of a green workforce.

Bill No. 504

Support Y N

Date 3/15/09

Time 2055

Cat AF AS AX BC

Type 1 2 WI

The goals of the sustainability internship program are to:

- create green jobs in Hawaii's fastest growing sectors of the economy
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The Sustainable Saunders program has:

- found \$146,000 in annual no-cost energy savings in Saunders Hall
- found \$700,000 in annual no-cost energy savings in the Hamilton Library
- shown the potential for similar campus wide savings in that **UHM** uses 3.2x the amount of energy/sqft as UCSanta Barbara

The proposed sustainability internship program would:

- energy audit UHM's campus with the goal of finding a minimum of \$2million in energy savings campus wide
- help DOE schools to find energy savings in response to requests such as these:
"I am wondering if your group that did an environmental impact study of a building at UH has a business doing this type of thing? My son's school is facing financial problems and they may have to let go of some teachers. If you have a business doing this I would like to refer his principal to you for a consultation."
- Create a much needed 'green' work force for Hawaii – the fastest growing sectors of Hawaii's economy is renewable energy: (8.4%, 4 times greater growth than Hawaii's average) as well as environmental consulting at 4.1% growth.
- UH could be the focus of the nation for sustainability that would gain them credibility, financial support as well as a higher student retention rate.

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Students and Youth

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The UHM Campus

- Gives national recognition for sustainability
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The state of Hawai'i

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- Helps retain Hawaii's best and most dedicated students

Thank you for providing this opportunity to testify.

EEPtestimony

Bill No. 504

From: Ivory K McClintock [ivorym@hawaii.edu]
Sent: Monday, March 16, 2009 7:48 AM
To: EEPtestimony
Subject: Testimony of BILL SB 504 SD2

Support Y N

Date 3/16/09

Time 749

Cat AF AS AX B C

Type 1 2 WI

Testimony of Ivory Kealani McClintock
Student at University of Hawai'i at Manoa
P.O. Box 781
Anahola, HI 96703
(808) 652 9564 ivorym@hawaii.edu

In support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII

Before the

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, Chair

Rep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members,

My name is Ivory McClintock and I am a student at the University of Hawai'i at Manoa and a member of the Sustainable Saunders Group on campus.

Bill SB504 SD1 provides for an appropriation of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Hawai'i of Manoa (UHM).

I, Ivory McClintock support enactment of Bill SB504 SD2.

As a student at the university I would love to be a part of this internship program to better my education and be able to educate myself in a field that I would like to work in in the future. Not only will this program create better opportunities for those of us here at the university but will allow us to continue to work here in Hawai'i and not leave all of the upper paying jobs to those from mainland colleges We can be the workers here because we care about Hawai'i and through the skills and education that this program will teach we will be able to learn the skills required for doing this.

The State's investment of \$207,000 for the program for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2million in energy savings at UHM as well as savings at DOE schools and the creation of a green workforce.

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Thank you for providing this opportunity to testify.

EEPttestimony

From: Ellen-Rae Cachola [ellenraec@yahoo.com]
Sent: Monday, March 16, 2009 1:11 PM
To: EEPtestimony
Subject: In support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII

Testimony of Ellen-Rae Cachola
Cultural Anthropologist, M.A.
Working Group Member, Women for Genuine Security
206 Kaulani Dr.
Pukalani, HI 96768
Tel: 808 646 0844
E-mail: ellenraec@yahoo.com

Bill No. 504
Support Y N
Date 3/16/09
Time 1338
Cat AF AS AX C
Type 1 2 WI

In support of Bill SB 504, SD2 RELATING TO THE UNIVERSITY OF HAWAII

Before the

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 17, 2009 8:30 AM

Rep. Hermina M. Morita, Chair
Rep. Denny Coffman, Vice Chair

Aloha Representative Morita, Representative Coffman and committee members,

My name is Ellen-Rae Cachola. I am a Cultural Anthropologist, M.A. involved with Power Shift Hawaii, a collective of college level youth and graduates advocating for clean energy implementation in Hawaii.

Bill SB504 SD1 provides for an appropriation of \$207,000 for fiscal year 2009-2010 and the same amount for fiscal year 2010-2011, to establish a sustainability internship program at the University of Hawai'i of Manoa (UHM).

I, Ellen-Rae Cachola, support the enactment of Bill SB504 SD2.

This bill would develop curriculum and experiences for Hawaii's students to use their local knowledge as citizens in Hawaii to plan, develop, implement and evaluate sustainable development projects, such as technology and social service based initiatives, that would be relevant for Hawaii. As a member of Women for Genuine Security (www.genuinsecurity.org), a feminist research working group that is partnered with organizations across the Asia-Pacific, U.S. and Caribbean, we strategize and advocate for economic planning models that respects people across race, class, nation and gender boundaries, specifically women and children. I believe that Bill SB504 SD2 can be a step closer to training Hawaii's youth, students and young adults to realize the vision of Women for Genuine Security.

The State's investment of \$207,000 for the program for the first year 2009-2010 and the same for fiscal year 2010-2011 would be returned a minimum of four-fold with \$2million in energy savings at UHM as well as savings at DOE schools and the creation of a green workforce.

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- Gives employers opportunities to pilot positions and candidates
- Helps retain Hawaii's best and most dedicated students

Thank you for providing this opportunity to testify.

Sincerely,

Ellen-Rae Cachola

Cultural Anthropologist, M.A., 2008, California Institute of Integral Studies

Political Science, B.A., 2004, University of Hawaii at Manoa

Women for Genuine Security, Working Group Member, www.genuinesecurity.org

AmeriCorps CTC Vista, 2005-2006, Homeless Prenatal Program