

SB 2271

NEIL ABERCROMBIE
GOVERNOR



Dean H. Seki
Acting Comptroller
Jan S. Gouveia
Deputy Comptroller

STATE OF HAWAII
DEPARTMENT OF ACCOUNTING
AND GENERAL SERVICES
P.O. BOX 119
HONOLULU, HAWAII 96810-0119

TESTIMONY
OF
DEAN H. SEKI, ACTING COMPTROLLER
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
TO THE
SENATE COMMITTEES
ON
ENERGY AND ENVIRONMENT; PUBLIC SAFETY, GOVERNMENT OPERATIONS, AND
MILITARY AFFAIRS; AND WATER, LAND, AND HOUSING
ON
February 7, 2012

S.B. 2271 (RELATING TO WATER EFFICIENCY)

Chairs Gabbard, Espero, Dela Cruz, and members of the Committees, thank you for the opportunity to testify on S.B. 2271.

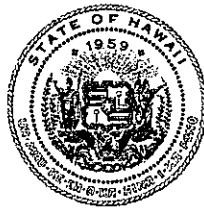
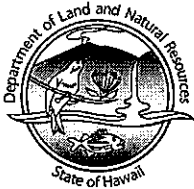
The Department of Accounting and General Services (DAGS) opposes this bill.

This bill is not necessary as Act 82, SLH 2007 already allows the State Building Code Council (the Council) to adopt building codes as "appropriate." As an example, the Council is not required pursuant to Act 82 to adopt an energy conservation code. In May 2010, through the Council, the State adopted the State Energy Conservation Code based on the International Code Council's 2006 International Energy Conservation Code as it was appropriate to address the energy conservation issues in new building codes to be adopted by the counties. The Council's membership also represents a diverse group of design professionals ranging from architects to

structural engineers as well as county officials representing the planning and permitting departments, all of whom are very aware of the environmental issues facing the State.

Thank you for the opportunity to testify on this bill.

NEIL ABERCROMBIE
GOVERNOR OF HAWAII



**STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES**

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

**Testimony of
WILLIAM J. AILA, JR.
Chairperson**

**Before the Senate Committees on
ENERGY AND ENVIRONMENT
and
PUBLIC SAFETY, GOVERNMENT OPERATIONS, AND MILITARY AFFAIRS
and
WATER, LAND, AND HOUSING**

**Tuesday, February 7, 2012
2:15 PM
State Capitol, Conference Room 225**

**In consideration of
SENATE BILL 2271
RELATING TO WATER EFFICIENCY**

Senate Bill 2271 amends the state building code requirements to include the latest edition of the International Green Construction Code Water Efficiency Provisions. The Department of Land and Natural Resources (Department) supports this measure and defers to the Hawaii State Building Code Council on any comments, concerns, or recommendations on the proposed requirements in this measure.

The Department encourages water use efficiency and water conservation wherever practicable and understands that policy changes should be carefully considered when affecting individuals or institutions. The State Building Code Council was established with representation from governmental bodies and the engineering and architectural community to explore factors related to State building code changes.

**WILLIAM J. AILA, JR.
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT**

**GUY H. KAULUKUKUI
FIRST DEPUTY**

**WILLIAM M. TAM
DEPUTY DIRECTOR - WATER**

**AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
CONSERVATION AND RESOURCES ENFORCEMENT
ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS**



International Code Council
Los Angeles District Office
5360 Workman Mill Road
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fax: 562.699.4522
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February 6, 2012

Senate Committee on Water, Land and Housing
State Capitol
Conference Room 225
415 South Beretania Street
Honolulu, HI 96813

Re: Testimony on SB2271 Relating to Water Efficiency

Chairman Dela Cruz and Members of the Committee:

Thank you for the opportunity to testify on Senate Bill 2271, which proposes to establish uniform statewide regulations governing water efficiency, reclamation and reuse in new construction. The bill proposes to base these regulations on the International Green Construction Code Water Efficiency Provisions. The International Code Council strongly supports this bill.

As the bill rightly points out, preservation of potable water supplies is of critical importance to Hawaii. Not only are ground water supplies challenged by current demand, but greater demand is anticipated as the population of the state grows. Statewide regulations are an effective means to provide for the efficient use of water and the safe implementation of alternative water sources. Implementing these regulations within the state building code not only ensures wider compliance, but also maximizes the efficiency of workforce training and inspection efforts. Uniformity is also economically important, given the expense of shipping materials to Hawaii.

Water efficiency regulations also provide a number of associated, ancillary benefits far beyond protection of water resources. Reduced water consumption and use of alternative sources also reduces the energy required for water pumping, transport, potable treatment, and heating. Additionally, it reduces the energy needed for sewage conveyance and treatment. Reduced water extraction and treated sewage effluent diminish the impact on ecosystems and habitats. This also lessens the need and size of future infrastructure upgrades for water treatment facilities and supply and sewer systems.

Greater use of decentralized, alternative water sources such as rainwater and reused graywater reduces the impact of natural disasters, such as earthquakes, volcanic activity, tsunamis, floods and wildfires by providing localized water sources. Stored, onsite water reservoirs, provides readily-available sources for fighting fires, especially important in locations where hydrants may not be available.

Application of provisions for landscape irrigation and carwashes substantially reduces runoff pollution. This is accomplished by proper sizing and design, elimination of excess water use, and reclamation and filtration. Doing so prevents contamination of soils with heavy metals, and coastal waters with fertilizers and chemicals which are so harmful to marine habitats.



International Code Council
Los Angeles District Office
5360 Workman Mill Road
Whittier, CA 90601
tel: 888.icc.safe (422.7233)
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While the IgCC covers all aspects of construction, the Water Efficiency Provisions focus exclusively on provisions covering water conservation for buildings and building sites - both indoors and outdoors. It correlates seamlessly with the International Building Code (IBC), which is used as the basis of Hawaii's statewide building code. It carries the IgCC's system of electives, which allows jurisdictions the ability to customize the code to meet the unique challenges and values of their locale. Perhaps most importantly, the IgCC WEP allows cutting-edge water efficiency technologies and practices to be implemented in a manner that protects life, health and safety in the built environment. It is designed to be enforced by existing building departments, and to provide a foundation for projects seeking even greater performance under voluntary rating systems like LEED.

We strongly believe that Hawaii's unique circumstances – remoteness, limited freshwater supplies, volcanic activity, and pristine natural environment, which is so important to local industry and tourism, make a concerted effort on water efficiency and conservation critically important. Regulations based on the International Green Construction Code Water Efficiency Provisions are best suited to meet that need.

Sincerely,

A handwritten signature in black ink, appearing to read "Jay Peters".

Jay Peters
Executive Director
Plumbing, Mechanical and Fuel Gas (PMG)
International Code Council



February 5, 2012

Senator Mike Gabbard, Chairman and Committee Members
Senate Committee on Energy & Environment
Senator Will Espero, Chairman and Committee Members
Senate Committee on Public Safety, Government Operations & Military Affairs
Senator Donovan Dela Cruz, Chairman and Committee Members
Senate Committee on Water, Land, & Housing
Hawaii State Capitol
Conference Room 225
415 So. Beretania St.
Honolulu, HI 96813

RE: SB 2271

Dear Chairmen and Committee Members:

The International Code Council (ICC) supports the passage of SB 2271: Adoption of IgCC *Water Efficiency Provisions* (WEP)

ICC is a membership association comprised of architects, engineers, construction professionals, home builders, code officials, energy efficiency and sustainable construction experts, fire service professionals and others all dedicated to building, plumbing, energy efficiency, fire prevention and sustainable construction. ICC provides the highest quality codes, standards, and services for all concerned with the safety and performance of the built environment. ICC model codes are used in all 50 states and by the federal government. The State of Hawaii and its four counties have a long history of adopting ICC national model codes and using them to meet their needs.

For jurisdictions with the goal to enhance their water resource management capabilities to address the concerns they have with providing adequate water resources to sustain a healthy ecological system and to provide for future urban growth, ICC offers the *Water Efficiency Provisions of the International Green Construction Code* as a separate publication extracted from the IgCC. This allows jurisdictions the ability to adopt easily, nationally recognized model code water efficiency regulations to meet their increasing needs. The IgCC WEP contains design flexibility and choices so current commercially available cost-effective technologies can be implemented without delay to obtain efficiencies above current national standards upwards of 40 percent.

Adopting the *Water Efficiency Provisions* supports the goal of the IgCC to reduce the negative impact that constructing buildings have on the natural environment. The IgCC WEP establish baseline model regulations for commercial buildings related to water use efficiency, water reclamation, graywater reuse, rainwater collection, irrigation distribution systems and the reduction of potable water in consumption.



The scope of the IgCC WEP apply to commercial buildings and are not intended to apply to systems used for industrial or manufacturing processes or to residential one-and two-family dwellings and townhomes. Other nationally recognized standards and programs exist to address low-rise residential one-and two-family construction and development.

The IgCC and the WEP are the first comprehensive green construction requirements written in mandatory enforcement type language, complete with the flexibility to customize, select and tailor to fit their needs and address local and state environmental, cultural, and regulatory considerations.

The IgCC and the WEP was initiated by the ICC along with Cooperating Sponsors: the American Institute of Architects (AIA), the American Society of Testing and Materials (ASTM), the American Society of Heating Refrigeration Air-Conditioning Engineers (ASHRAE), the US Green Building Council (USGBC - LEED) and the Illuminating Engineering Society (IES). It is endorsed by the US Conference of Mayors and over 882 organizations have expressed their support of the IgCC.

The ICC has developed free training webinars which are offered online as well as other classroom training; certification-credentialing exams all to ensure there are the necessary tools to support adoption and administration of the IgCC and the *Water Efficiency Provisions*. All ICC codes and standards including the *Water Efficiency Provisions* can be accessed and viewed online at no cost.

Thank you for the opportunity to provide these comments regarding the adoption of the IgCC. If there are any questions, I can provide additional information,

Sincerely,

A handwritten signature in black ink, appearing to read "Craig Stevenson", with a long horizontal flourish extending to the right.

Kraig Stevenson, CBO
Senior Regional Manager
ICC Government Relations
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kstevenson@icc-safe.org

BIA-HAWAII

BUILDING INDUSTRY ASSOCIATION

"Building Better Communities"

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Castle & Cooke Homes Hawaii, Inc.

Testimony to the Senate Committees on Energy and Environment, Public Safety, Government Operations, and Military Affairs, and Water, Land, & Housing

Tuesday, February 7, 2012

2:15 p.m.

State Capitol, Room 225

RE: S.B. 2271, Relating to Water Efficiency

Good morning Chairs Gabbard, Espero, and Dela Cruz, Vice Chairs English, Kidani, and Solomon, and members of the committees:

My name is Karen Nakamura, Chief Executive Officer of the Building Industry Association of Hawaii (BIA-Hawaii). Chartered in 1955, BIA-Hawaii is a professional trade organization affiliated with the National Association of Home Builders, representing the building industry and its associates. BIA-Hawaii takes a leadership role in unifying and promoting the interests of the industry to enhance the quality of life for the people of Hawaii.

BIA-Hawaii is **opposed** to S.B. 2271, which requires the state building code to include code provisions based on the latest edition of the International Green Construction Code Water Efficiency Provisions as it will negatively impact the cost of construction and the price of homes. Since building green isn't for everyone, we need to make sure that green building programs remain **voluntary**, market driven, and based on sound technical information.

More importantly, the International Code Council has not yet released the 2012 IgCC. There is still ongoing discussion regarding its scope, as well as any exemptions that might be included. It would be extremely premature, and highly ill-advised, to adopt a code that has not yet been released and reviewed by the general public.

Based on our experience with national model codes, we have observed that they are not "localized" to Hawaii's warmer climate. Situations have arisen here where families have experienced mold in their new military housing due to the tightness of the building envelope required by the I-Codes, prohibiting the home to "breathe." It is a good requirement for places like Minnesota, but not for Hawaii.

For the foregoing reasons, BIA-Hawaii is **opposed** to S.B. 2271.

Karen T. Nakamura

EVP/CEO
BIA-Hawaii

PLUMBING & MECHANICAL CONTRACTORS ASSOCIATION OF HAWAII



TELEPHONE: (808) 597-1216
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GREGG S. SERIKAKU
EXECUTIVE DIRECTOR

Via Email

February 2, 2012

Senator Mike Gabbard, Chair
Senator J. Kalani English, Vice-Chair
Committee on Energy and Environment
Senator Will Espero, Chair
Senator Michelle N. Kidani, Vice-Chair
Committee on Public Safety, Government Operations and Military Affairs
Senator Donovan M. Dela Cruz, Chair
Senator Malama Solomon, Vice-Chair
Committee on Water, Land, and Housing

Dear Chairs Gabbard, Espero and Dela Cruz, Vice Chairs English, Kidani and Solomon, and Members of the Committees:

SUBJECT: SB2271 Relating to Water Efficiency

My name is Gregg Serikaku. I am the Executive Director of the Plumbing and Mechanical Contractors Association of Hawaii. Our Association represents over 40 major plumbing and mechanical contractors who employ over 1,000 mechanics, technicians, managerial staff, and administrative personnel here in Hawaii.

The Association for which I speak is **strongly opposed** to SB2271.

SB2271 proposes that the water efficiency provisions of the International Green Construction Code (IGCC) be included in the uniform state building code, however, many of these provisions either changes or conflicts with the State's mandated model plumbing code, the Uniform Plumbing Code (UPC). The UPC is currently recognized as the sole plumbing code utilized throughout the state, and if the provisions of the IGCC are adopted there will be significant turmoil created in the plumbing industry. For one, the various State agencies and counties currently reference the UPC for checking compliance with permitting requirements. Will they now be required to check both codes?. Second, the UPC is the sole code that the State journeymen plumbers license exam and contractors licenses exam are based. Are the affected agencies, colleges and license programs going to change their standards to now include the IGCC provisions? Third, the State's largest registered apprenticeship program for plumbers utilizes the UPC as their sole code book for the installation of plumbing systems. Are the apprenticeship programs expected to change to accommodate a new code? Finally, the UPC already encompasses many of the water efficiency standards contained in the IGCC and will further expand on these in the 2012 edition of the UPC, therefore no duplication of codes is necessary.

Based on these factors, we respectfully urge the committee to hold this bill.

Respectfully yours,

Gregg S. Serikaku
Executive Director

Testimony of GP Russ Chaney
CEO, IAPMO Group
Tuesday, February 7, 2012, 2:15 p.m.
Committee on Energy and Environment
Committee on Public Safety, Government Operations and Military Affairs
Committee on Water, Land and Housing

Chairman Gabbard, Chairman Espero, Chairman Dela Cruz and members of the committees, it is an honor today to provide you testimony on **SB 2271** and SB 2290.

My name is Russ Chaney, Chief Executive Officer of the International Association of Plumbing and Mechanical Officials, better known as IAPMO. Founded in 1926, IAPMO remains the preeminent code development association for plumbing, mechanical and solar codes. With membership of approximately 6800 members, IAPMO remains the only trade association where plumbing and mechanical codes are developed employing an open consensus process fully accredited by the American National Standards Institute (ANSI), which is adopted in Hawaii and hereto referenced in both SB 2271 and SB 2290.

Moreover, the membership of IAPMO is comprised of plumbing and/or mechanical inspectors, engineers and code officials, plumbing and mechanical contractors, water and energy efficiency experts and manufacturers of plumbing, mechanical, and building products.

First, let me state IAPMO's number one priority---public health and safety. All the codes, standards, curriculum and testing created and provided by IAPMO is to ensure our publics' safety and health, and secondly to ensure our precious limited resources are used in the most responsible and efficient way possible.

To this end, I applaud you all for mandating the use of the most recent version of the Uniform Plumbing Code in SB 2271 and SB 2290. By doing so, Hawaii will continue to protect its citizens through the implementation of the UPC, and will reap incredible water savings as the most current edition includes provisions related to water efficiency.

Along the lines of water-efficiency, you will be interested to know that in 2010 IAPMO created the first-ever green construction code titled *the Green Plumbing and Mechanical Code Supplement*. This document is revolutionizing green building practices across America with many jurisdictions and states already implementing its provisio*The Green Plumbing and Mechanical Code Supplement* is the most comprehensive document available regarding residential and commercial sustainable plumbing and mechanical systems. This ground-breaking document spells out the best practices for a greener and more sustainable residential and commercial plumbing and mechanical systems in simple, straightforward code language. It is not a point rating system for determining "greenness," but rather an actual enforceable code from which any

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International Association of Plumbing and Mechanical Officials
5001 East Philadelphia Street • Ontario, California – USA 91761-2816



jurisdiction can work toward increased sustainability, and one can find a minimum of 35 percent in water savings compared to baseline plumbing code requirements by incorporating its provisions. It is important to note, it does not compete with rating systems but rather provides needed code guidance on the safe and proper installation of green plumbing and mechanical systems and products.

While we support SB 2271 and SB 2290, we do have grave concerns with your recommendation of adopting the International Green Construction Code (IGCC) in its entirety as referenced in these bills. We note that the State of Oregon has recently considered similar legislation and after careful deliberation, determined that the plumbing and water efficiency provisions contained in the Green Plumbing and Mechanical Code Supplement be adopted in lieu of those contained in the IgCC. This outcome allows for the adoption of the building code provisions in the IgCC, as deemed appropriate in Hawaii while accommodating the superior plumbing, mechanical and water efficiency provisions in the Supplement. As such, we encourage your consideration and support of the proposed revisions to these bills as detailed below.

As we previously mentioned, IAPMO's Green Plumbing and Mechanical Code Supplement is proven, supported and been in final form for nearly two years. Therefore, to find true water-savings, we respectfully encourage the committee to make the suggested changes as outlined below. By doing this, SB 2271 and SB 2290 will have the full support of the IAPMO Group.

Thank you for your time.

SUGGESTED CHANGES:

SB 2271

SECTION 2, Item 6- Plumbing Provisions based on the latest edition of the Green Plumbing and Mechanical Code Supplement, as published by the International Association of Plumbing and Mechanical Officials."

SB 2290

SECTION 2 Item 1- "The latest edition of the Uniform Plumbing Code, including appendices, and the plumbing provisions based on the latest edition of the Green Plumbing and Mechanical Code Supplement, as copyrighted and published by the International Association of Plumbing and Mechanical Officials;"

and

SECTION 2, Item 6- "Code provisions based on the latest edition of the International Green Construction Code, as published by the International Code Council, with the exception of any and all plumbing provisions found with the document."

(SUGGESTED CHANGES IN RED)

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International Association of Plumbing and Mechanical Officials
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Hawaii Farm Bureau
F E D E R A T I O N

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February 1, 2012

HEARING BEFORE THE
SENATE COMMITTEE ON ENERGY AND ENVIRONMENT
SENATE COMMITTEE ON PUBLIC SAFETY, GOVERNMENT OPERATIONS, AND
MILITARY AFFAIRS
SENATE COMMITTEE ON WATER, LAND, AND HOUSING

TESTIMONY ON SB 2271
RELATING TO WATER EFFICIENCY

Room 225
2:15 PM

Chair Gabbard, Chair Espero, Chair Dela Cruz and Members of the Committees:

I am Brian Miyamoto, Chief Operating Officer and Government Affairs Liaison for the Hawaii Farm Bureau Federation (HFBF). Organized since 1948, the HFBF is comprised of 1,800 farm family members statewide, and serves as Hawaii's voice of agriculture to protect, advocate and advance the social, economic and educational interest of our diverse agricultural community.

HFBF is **concerned** about SB 2271, which would add the provisions of the International Green Construction Code Water Efficiency Provisions, as published by the International Code Council, to the Hawaii state building code. While we strongly support the efficient use of Hawaii's limited water resources, we feel that it is not appropriate to apply these particular standards to all construction in Hawaii as would be required by SB 2271.

The Water Efficiency Provisions are intended for residential and commercial buildings. They are not designed for agricultural water uses such as irrigation, aquaculture, and aquaponics. Although agricultural uses are not covered by the Code's Water Efficiency Provisions, there is no specific statement that excludes agricultural structures; therefore under SB 2271, the Provisions would apply to **all** construction including non-residential farm buildings. Imposing these standards would exacerbate a major problem for Hawaii's agriculture: that state and county building codes are designed for homes and commercial structures in congested urban areas, but are applied unnecessarily to agricultural buildings and structures.

HFBF is supporting other bills introduced this session that would reduce the cost and construction time of low-risk, non-residential farm structures by exempting these structures from county building permit requirements. **This exemption is necessary to allow farmers to build, at reasonable cost, structures to protect their crops and equipment from thieves, vandals, and the weather, as well as to support the production of their crops and livestock.** A majority of U.S. states have such exemptions for farm structures. We therefore respectfully ask that, if SB 2271 is passed, it be amended to limit the requirement for the Water Efficiency Provisions to nonagricultural buildings and structures.

Thank you for the opportunity to present testimony. I can be reached at 848-2074 if there are any questions.

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Honolulu, HI 96819
Phone: 808-833-1681 FAX: 839-4167
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Website: www.gcahawaii.org



GCA of Hawaii

GENERAL CONTRACTORS ASSOCIATION OF HAWAII

Quality People. Quality Projects.

Uploaded via Capitol Website

February 7, 2012

TO: HONORABLE SENATORS MIKE GABBARD, CHAIR, J. KALANI ENGLISH, VICE CHAIR AND MEMBERS OF THE COMMITTEE ON ENERGY AND ENVIRONMENT

HONORABLE SENATORS WILL ESPERO, CHAIR, MICHELLE KIDANI, VICE CHAIR AND MEMBERS OF THE COMMITTEE ON PUBLIC SAFETY, GOVERNMENT OPERATIONS AND MILITARY AFFAIRS

HONORABLE SENATORS DONOVAN DELA CRUZ, CHAIR, MALAMA SOLOMAN, VICE CHAIR AND MEMBERS OF THE COMMITTEE ON WATER, LAND AND HOUSING

SUBJECT: **OPPOSITION TO S.B. 2290, RELATING TO THE STATE BUILDING CODE.** Requires the state building code to include code provisions based on the latest edition of the International Green Construction Code.

HEARING

DATE: Tuesday, February 7, 2012
TIME: 2:15 PM
PLACE: Conference Room 225

Dear Chairs Gabbard, Espero and Dela Cruz and Members of the Committee:

The General Contractors Association (GCA) is an organization comprised of over six hundred (600) general contractors, subcontractors, and construction related firms. The GCA was established in 1932 and is celebrating its 80th anniversary this year; it remains the largest construction association in the State of Hawaii. GCA **opposes** S.B. 2290, Relating to the State Building Code.

S.B. 2290 proposes to mandate the state building code to include code provisions based on the latest edition of the International Green Construction Code.

GCA understands the intent behind this bill, which is to promote green building and the sustainability of the environment; however GCA is opposed to mandates that would present a significant cost burden to homebuilders and homeowners alike. Instead, GCA prefers incentives that encourage homebuilders and homeowners to implement green building methods that would further benefit the environment and the economy alike.

GCA respectfully requests that this bill be held.

Thank you for the opportunity to testify.

Testimony of Glenn Ida
Representing,
The Plumbers and Fitters Union, Local 675
1109 Bethel St., Lower Level
Honolulu, Hi. 96813

Comments and Proposed Amendments to SB 2290

Before the Senate Committees on:
Energy and Environment,
Public Safety, Government Operations, and Military Affairs,
Water, Land, and Housing

Tuesday, Feb. 7, 2012
2:15 PM, Conference Room 225

Aloha Chairs Gabbard, Espero, Dela Cruz, Vice-Chairs English, Kidani, Solomon and Members of the Committees,

My name is Glenn Ida; I represent the 1300 plus active members and about 600 retirees of the Plumbers and Fitters Union, Local 675.

SB 2290 proposes the International Green Construction Code (IGCC) be included in the State Building Code. The proposed inclusions from the IGCC either changes or conflicts with the Uniform Plumbing Code (UPC), the State's mandated Plumbing Code.

State agencies and counties currently reference the UPC for checking compliance with permitting requirements. Second, The State journeymen plumbers' license exam and contractors' licenses exam are based on the contents within the UPC. Local 675's Plumbers' Apprenticeship Program utilizes the UPC as their base code book for the development of the curriculum and exams for their program.

The Green Plumbing and Mechanical Code Supplement to the UPC should be included so the standards and conditions would not be affected by the addition of the International Green Construction Code to the State Building Code.

Page 2: SB2290

See the attachment for proposed amendments to SB 2290.

Thank You for this opportunity to make comments and submit my amendments on SB2290.

Glenn Ida
808-295-1280

Testimony for ENE/PGM/WLH 2/7/2012 2:15:00 PM SB2290

Conference room: 225

Testifier position: Support

Testifier will be present: Yes

Submitted by: Al Lardizabal

Organization: Hawaii Laborers' Union

E-mail: Lardizabal@local368.org

Submitted on: 2/7/2012

Comments:

Testimony for ENE/PGM/WLH 2/7/2012 2:15:00 PM SB2271

Conference room: 225
Testifier position: Support
Testifier will be present: No
Submitted by: Jason Silverstein
Organization: Individual
E-mail: subgenius@hawaii.rr.com
Submitted on: 2/2/2012

Comments:

As a small farmer and resident of Kahaluu I see this bill as a good step in helping people manage their waste water safely and legally. It's about time we looked at ways to save water, reuse water, and manage waste water in a cost effective and safe way. I support this bill.

February 5, 2012

Senator Mike Gabbard, Chairman and Committee Members
Senate Committee on Energy and the Environment
Senator Will Espero, Chairman and Committee Members
Senate Committee on Public Safety, Government Operations and Military Affairs
Senator Donovan Dela Cruz, Chairman and Committee Members
Senate Committee on Water, Land, and Housing

RE: SB 2271

As a professional in the field of sustainable water infrastructure and a member of various professional organizations, including the USGBC, Hawaii Water Environment Association, Water Environment Federation and who served as Chair of the Water and Wastewater Subcommittee for the Honolulu City and County Sustainable Building Task force 2010-2011 and who presently serve as an advisor for the Water Commission's State Water Conservation Plan, I strongly support SB 2271. I have been actively involved with the US Green Building Council Hawaii Chapter Advocacy group, who has been in strong support of the implementation of IGCC Water Efficiency provisions for both commercial and residential facilities.

Importantly, these provisions will inherently promote water conservation and promote ecological sustainability of our island resources. Implementing the IGCC Water Efficiency provisions directly upholds the Hawaii State Constitution Article 9 & 11 referring to respect of Hawaii's natural environment through respectively conserving water resources for proper use and ensuring sustainability of these resources.

Implementing the IGCC Water Efficiency provisions will also support green jobs. I also support a 'green' plumbing education program to ensure a smooth transition for both private and union plumbing organizations to enable a smooth transition.

Sincerely,



Lauren C. Roth Venu
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