

SB 2290

NEIL ABERCROMBIE
GOVERNOR



Dean H. Seki
Acting Comptroller

Jan S. Gouvela
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. 2290 (RELATING TO THE STATE BUILDING CODE)

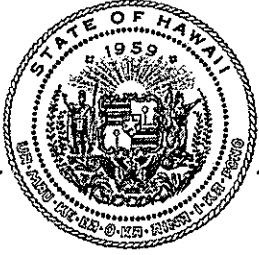
Chairs Gabbard, Espero, Dela Cruz, and members of the Committees, thank you for the opportunity to testify on S.B. 2290.

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.



**DEPARTMENT OF BUSINESS,
ECONOMIC DEVELOPMENT & TOURISM**

NEIL ABERCROMBIE
GOVERNOR

RICHARD C. LIM
DIRECTOR

MARY ALICE EVANS
DEPUTY DIRECTOR

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Statement of
RICHARD C. LIM
Director
Department of Business, Economic Development, and Tourism
before the
SENATE COMMITTEES
on
ENERGY & ENVIRONMENT
and
PUBLIC SAFETY, GOVERNMENT OPERATIONS, & MILITARY AFFAIRS
and
WATER, LAND, & HOUSING
Tuesday, February 7, 2012
2:15 p.m.
State Capitol, Conference Room 225
in consideration of
SB2290
RELATING TO STATE BUILDING CODE.

Chairs Gabbard, Espero and Dela Cruz and Vice Chairs English, Kidani, and Solomon,
and members of the committees.

The Department of Business, Economic Development, and Tourism (DBEDT) supports
SB2290 which requires the state building code to include provisions based on the latest edition of
the International Green Construction Code (IGCC).

IGCC is an "overlay" code, meaning that the State and counties may select sections of the
IGCC and insert them into their existing codes. The IGCC is published by the International Code
Council (ICC) which is a non-profit organization dedicated to developing the building codes used
to construct residential and commercial buildings. At present the State as well as the counties

use the ICC as the basis for developing their building codes. The IGCC was developed in consultation with the American Society of Heating, Refrigerating and Air Conditioning Engineers; the American Society for Testing and Materials; the U.S Green Building Council; and the Illuminating Engineering Society. In addition, input was received from over 100 Work Group Participants. So far, five states have adopted portions of the IGCC.

The IGCC covers site development, material resource conservation, energy conservation, water conservation and indoor air quality measures for new and existing buildings.

Including provisions of the IGCC into Hawaii's existing codes represents an opportunity to strengthen the codes with cost-effective measures. Hawaii Revised Statutes 107-28 allows the counties to "amend the state building code...without approval of the (building code) council," meaning the counties may independently adopt IGCC provisions. Passage of this bill would indicate the Legislature's support for adopting such provisions.

Thank you for the opportunity to testify on this bill.



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 2290

Dear Chairmen and Committee Members:

The International Code Council (ICC) supports the passage of SB 2290

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.

The vision of the International Green Construction Code (IgCC) provides adopting jurisdictions a comprehensive set of regulations intended to reduce the negative impact that constructing buildings have on the natural environment. The IgCC establishes baseline regulations for commercial buildings related to water use efficiency, water reclamation, graywater reuse, energy efficiency, material resource conservation, indoor environment quality & comfort, construction waste management, site construction waste management and other measures to support sustainable construction. The scope of the IgCC applies to commercial buildings and is 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 in existence address low-rise residential one-and two-family construction and development.

IgCC was developed by a broad-based, 29 member Sustainable Building Technology Committee, with input from more than 100 Work Group members composed of experts in business, construction, academia, government, and environmental experts - who contributed 10,000 hours of development time and attended several hundred



meetings over a multi-year process. The 2012 IgCC publication finished its national vetting in the ICC Code Development process, a process that is open to the public; it was finalized in the Fall of 2011.

The IgCC is the first comprehensive green construction document written in mandatory enforcement type language, complete with electives for jurisdictions to flexibly-customize, select and tailor to fit their needs and address local and state environmental, cultural, and regulatory considerations.

The IgCC 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. All ICC codes and standards including the IgCC 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 "Kraig Stevenson", written over a horizontal line.

Kraig Stevenson, CBO
Senior Regional Manager
ICC Government Relations
888-422-7233 ext 7603
kstevenson@iccsafe.org

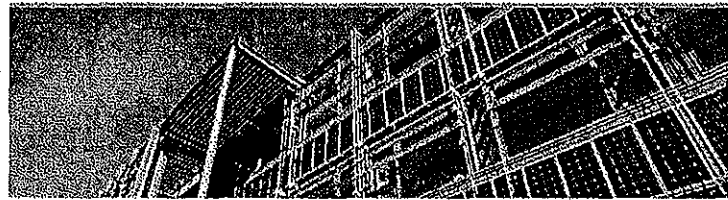


SAFE & SUSTAINABLE BY THE BOOK



IGCC: A NEW APPROACH FOR SAFE & SUSTAINABLE CONSTRUCTION

THE INTERNATIONAL CODE COUNCIL (ICC), along with its Cooperating Sponsors, is pleased to introduce the *International Green Construction Code (IGCC)*. The Cooperating Sponsors are: the American Institute of Architects (AIA), ASTM International, the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), the U.S. Green Building Council (USGBC), and the Illuminating Engineering Society (IES). The IGCC includes ANSI/ASHRAE/USGBC/IES Standard 189.1 as a *Jurisdictional Requirement Option*. This resource document can be used to immediately incorporate "green" components into existing or developing building codes. Application of the IGCC components will ensure integration with other International Code provisions and provide criteria that have been reviewed by experts in sustainable building science, safety, and building performance.



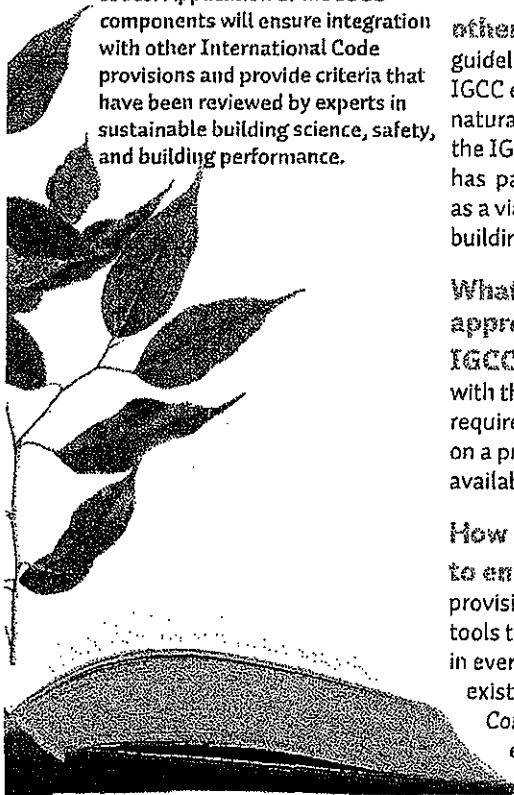
What does the IGCC do? The IGCC provides model code language to establish baseline regulations for new and existing buildings related to energy conservation, water efficiency, building owner responsibilities, site impacts, building waste, and materials and other considerations.

How does the IGCC become law? The model code language becomes law when it is adopted by the appropriate state or local authority charged with governing construction. The adopting jurisdiction is charged with determining the final content of the code, and has the ability to calibrate the application of the code on a project-by-project basis.

How does this complement existing rating systems or other guidelines? Rating systems such as LEED are voluntary guidelines for cutting-edge applications of green building design. The IGCC establishes minimum requirements for all buildings, providing a natural complement for voluntary rating systems which extend beyond the IGCC's baseline. The U.S. Green Building Council, creators of LEED, has participated in the development of the IGCC and endorses its usage as a viable option for communities that wish to regulate minimum green building provisions.

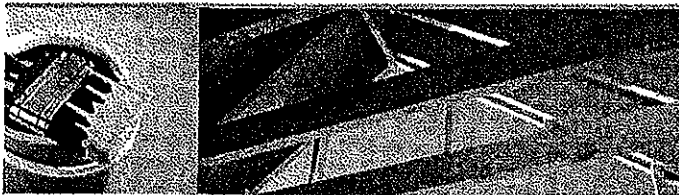
What if my state or local jurisdiction seeks a different approach than others considering the adoption of the IGCC? The IGCC establishes several levels of compliance, starting with the basic provisions of the code, and then offering "jurisdictional requirement" options. Further, the jurisdiction can add more guidance on a project-by-project basis through establishing the specific number of available IGCC "project electives."

How extensive is the IGCC and how difficult will it be to enforce? The IGCC has 11 chapters, plus two appendices. Many provisions in the IGCC are modeled after familiar tables and application tools that are found in other International Codes that have been adopted in every state in the United States. The IGCC acts as an overlay on other existing codes, including using the provisions of the *International Energy Conservation Code (IECC)* as a baseline. To make sure the IGCC is enforceable, it was reviewed by the same experts that develop the building codes that officials enforce daily.



Will there be professional development for those helping implement the IGCC? Training, certification exams, and contractor testing on the key elements of the IGCC currently are being offered by the International Code Council, with additional professional development and technical support materials under development. Representatives from IGCC sponsoring organizations also are available to speak about the code at local, state, and national events.

How was the code developed? The initial public version of IGCC was developed over an eight month period by a broad-based, 29-member Sustainable Building Technology Committee, with input from more than 100 Work Group members composed of experts in government, business and academia, code development and enforcement, architecture, materials science, engineering, and environmental advocacy. Subsequently, the code was updated and refined based on over 1,500 public comments and a public hearing conducted in mid-2010. The IGCC will be integrated fully into the existing I-Code family in early 2012 after hearings in 2011.



KEY COMPONENTS OF IGCC PUBLIC VERSION 2.0

IGCC Public Version 2.0 is now available as a resource for jurisdictions that are ready to adopt a useable and enforceable framework that links together issues of green design, building performance, and building safety.

Key changes in Public Version 2.0 include:

- A Zero Energy Performance Index (zEPI), requiring buildings to use no more than 51 percent of the energy allowable in the 2000 *International Energy Conservation Code*;
- The jurisdictional project electives formula now requires jurisdictions to enforce at least one and up to 14 electives;
- The addition of appliance information, radon mitigation, and documentation requirements to the commissioning provisions to ensure the health and safety of building occupants;
- A 20 percent water savings beyond U.S. federal standards for water closets in residential settings;
- New requirements for identification and removal of materials containing asbestos;
- Land use regulations including new provisions addressing flood risk, development limitations related to "greenfields," use of turf grass, and minimum landfill diversion requirements;
- Movement of many responsibilities from the registered design professional to the owner to prevent potential conflicts with state and local requirements; and
- Consistency with industry standards for air handling systems.

Visit www.iccsafe.org/igcc for updates and to download IGCC Public Version 2.0 today.

THE IGCC IS:

COMPREHENSIVE: The IGCC applies to the construction of traditional and high-performance buildings, structures, and systems, including alterations, and additions.

INTEGRATED: The IGCC has been designed to coordinate and integrate with the health and safety features of existing I-Codes and existing rating systems such as LEED.

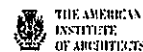
CONSENSUS BASED: ICC's open, governmental consensus code development process ensures that key stakeholder voices have been heard throughout the process.

ADAPTABLE: The IGCC is a "model" code, requiring adoption by a governing jurisdiction before it becomes law. In this way, the model language can, if necessary, be adapted to address local conditions.

ENFORCEABLE: The IGCC creates a regulatory framework for new and existing buildings, advancing and complementing the momentum in "green" building created by popular rating systems.

International Code Council
Corporate Headquarters
500 New Jersey Avenue, NW
Sixth Floor
Washington, DC 20001

www.iccsafe.org/igcc



BIA-HAWAII

BUILDING INDUSTRY ASSOCIATION

"Building Better Communities"

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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. 2290, Relating to Building Codes

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. 2290, which requires the state building code to include code provisions based on the latest edition of the International Green Construction Code (IgCC). While we encourage and practice green building, BIA-Hawaii is concerned about the mandating of green building practices in the State Building Code 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 experienced mold in their new military housing. The I-Codes require a tight building envelope, which prohibits the home from "breathing." It may work in places like Minnesota, but not in Hawaii.

For the foregoing reasons, BIA-Hawaii is **opposed** to S.B. 2290.

Karen T. Nakamura

EVP/CEO
BIA-Hawaii

Mailing address: P.O. Box 970967, Waipahu, HI 96797 Street address: 94-487 Akoki St., Waipahu, HI 96797-0967;
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PLUMBING & MECHANICAL CONTRACTORS ASSOCIATION OF HAWAII



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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: SB2290 Relating to the State Building Codes

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 SB2290.

SB2290 proposes that the International Green Construction Code (IGCC) be included in the uniform state building code, however, many of the provisions in the IGCC 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



Hawaii Farm Bureau
F E D E R A T I O N

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Fax: (808) 848-1921 • Email: info@hfbf.org
www.hfbf.org

FEBRUARY 2, 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 2290
RELATING TO THE STATE BUILDING CODE

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 has **concerns** about SB 2290, which would add provisions based on the International Green Construction Code, as published by the International Code Council, to the Hawaii state building code.

Imposing additional 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. According to the ICC's website, the final Green Construction Code will not be published until March 2012. The "second public draft" of the document does **allow** exemption of agricultural buildings and structures from the code, but **does not appear to require** such an exemption.

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

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

Conference room: 225

Testifier position: Support

Testifier will be present: No

Submitted by: Matthew Lynch

Organization: The Asia-Pacific Center for Regenerative Design

E-mail: matthewklynch@gmail.com

Submitted on: 2/3/2012

Comments:

The Asia-Pacific Center for Regenerative Design supports any initiative which allows households to re-use greywater safely. Introducing guidelines for safe re-use of greywater in households is a vital & important step towards conserving our valuable and endangered water resources.

**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 provision. *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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February 05, 2012

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. 2290, Relating to Building Codes

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

My name Anthony B. Borge, General Manager of RMA Sales, a locally owned and operated kamaiana business since 1961. We are also a member of the Building Industry Association of Hawaii (BIA-Hawaii). Chartered in 1955, the Building Industry Association of Hawaii is a professional trade organization affiliated with the National Association of Home Builders, representing the building industry and its associates.

We are **opposed** to S.B. 2290, which requires the state building code to include code provisions based on the latest edition of the International Green Construction Code (IGCC). While we encourage and practice green building, we are concerned about the mandating of green building practices in the State Building Code 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 "adapted" to Hawaii's unique tropical climate where we are blessed to experience 11 out of 13 climate zones in the world. Recently, situations have arisen here in Hawaii, whereby new housing that was built to provide "sealed envelopes" to be energy efficient, are plagued with mold and mildew. The I-Codes require a tightly sealed building envelope, which prohibits the home from "breathing." It may work in places like Las Vegas, but not in Hawaii.

For these reasons, we are **opposed** to **S.B. 2290**.

Thank you.

Respectfully submitted,

Anthony B. Borge

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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. 2271, RELATING TO WATER EFFICIENCY.**
Requires the state building code to include code provisions based on the latest edition of the International Green Construction Code Water Efficiency Provisions.

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. 2271, Relating to Water Efficiency.

S.B. 2271 proposes to mandate the state building code to include code provisions based on the latest edition of the International Green Construction Code Water Efficiency Provisions.

GCA understands the intent behind this bill, which is to ensure that adequate water resources are available to support Hawaii's natural beauty, a healthy ecology, and urban growth for the benefit of Hawaii's present and future generations; 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 address water efficiency in new construction.

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 2271

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 2271 is an attempt to set statewide regulations governing water efficiency,
reclamation, and reuse applicable to new construction using new technologies
and design methodologies that are currently available.

The plumbing provisions in the Green Plumbing and Mechanical Code Supplement
published by the International Association of Plumbing and Mechanical Officials
to the State Building Codes will accomplish the State's goal of water efficiency.

I have proposed an amendment to SB 2271.

Thank You for this opportunity to comment on SB 2271.

Glenn Ida
808-295-1280

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

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:

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

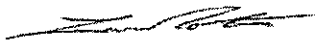
Senate Committee on Water, Land, and Housing

RE: SB 2290

As a professional in the field of sustainable water infrastructure and a member of various professional organizations, including the USGBC, Hawaii Water Environment Association, Construction Specifications Institute 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 serves as an advisor for the State's Water Conservation Plan, I strongly support SB 2290. 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 for both commercial and residential facilities.

Importantly, the IGCC green building codes will inherently promote sustainability and support the "New Day Plan." In addition, the IGCC upholds the Hawaii State Constitution Article 9 & 11 referring to respect of Hawaii's natural environment promoting conserving water, clean air and reducing our ecological footprint. These green building codes will provide the tools needed to (green) pave our way towards Hawaii's sustainable future, while also boosting our economy through the growth of a green collar workforce.

Sincerely,



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