

DAVID Y. IGE
GOVERNOR



CRAIG K. HIRAI
EXECUTIVE DIRECTOR

STATE OF HAWAII

DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM
HAWAII HOUSING FINANCE AND DEVELOPMENT CORPORATION
677 QUEEN STREET, SUITE 300
Honolulu, Hawaii 96813
FAX: (808) 587-0600

IN REPLY REFER TO:

Statement of
Craig K. Hirai
Hawaii Housing Finance and Development Corporation
Before the

HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE

February 3, 2017 at 2:30 p.m.
State Capitol, Room 329

In consideration of
H.B. 1461
RELATING TO FIRE SPRINKLERS.

The HHFDC **supports the intent** of sections 1 and 2 of H.B. 1461, which would reduce the costs associated with the development and maintenance of HHFDC-assisted affordable housing projects by prohibiting counties from charging fees for the inspection of automatic fire sprinklers or automatic fire sprinkler systems in these projects. We defer to the counties on the remainder of this bill.

We note for the Committee's information that under the 201H expedited approvals process for affordable housing, the counties have waived the fee for Fire Department plan review. Annual inspections of fire systems in housing projects are conducted by independent fire services, not county fire departments.

Thank you for the opportunity to provide written comments on this bill.

DAVID Y. IGE
GOVERNOR

SHAN S. TSUTSUI
LIEUTENANT GOVERNOR



LINDA CHU TAKAYAMA
DIRECTOR

LEONARD HOSHIJO
DEPUTY DIRECTOR

STATE OF HAWAII
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HONOLULU, HAWAII 96813
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February 2, 2017

The Honorable Angus McKelvey, Chair
Committee on Consumer Protection
and Commerce
House of Representatives
State Capitol, Room 320
Honolulu, Hawaii 96813

Dear Chair McKelvey:

Subject: House Bill (HB) 1461 Relating to Fire Sprinklers

I am Manuel P. Neves, Chair of the Hawaii State Fire Council (SFC) and Fire Chief of the Honolulu Fire Department (HFD). The SFC and the HFD oppose HB 1461, which proposes to prevent charging for automatic fire sprinkler inspections in any housing project while also preventing the counties from requiring automatic fire sprinklers in one- and two-family dwellings.

This bill prevents the four counties from incorporating safe building codes particular to their counties. Studies have shown that automatic fire sprinklers are effective in reducing fire losses, injuries, and fire-related deaths. Contrary to some statements, there is no complementary system in place that is as effective in stopping fires as well as an automatic fire sprinkler.

Additional studies performed in California and Maryland demonstrated the cost of automatic fire sprinklers does not prevent or deter homeowners from purchasing a home. In fact, there was an increase in home sales in some areas.

The Honorable Angus McKelvey, Chair
Page 2
February 2, 2017

The proper forum for national, model building codes to be reviewed, vetted, and adopted at the State level is the State Building Code Council, which is represented by a broad spectrum of stakeholders, including the building industry, architects, structural engineers, building, and fire code officials.

Public safety and property protection are priorities for the SFC and the HFD, and automatic residential fire sprinkler are the best life insurance against fires. The SFC and the HFD urge your committee's deferral on the passage of HB 1461.

Should you have questions, please contact SFC Administrator Socrates Bratakos at 723-7105 or sbratakos@honolulu.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'M.P.N.', with a stylized flourish at the end.

MANUEL P. NEVES
Chair

MPN/LR:cic

Harry Kim
Mayor



Wil Okabe
Managing Director

Barbara J. Kossow
Deputy Managing Director

LATE

County of Hawai'i
Office of the Mayor

25 Aupuni Street, Suite 2603 • Hilo, Hawai'i 96720 • (808) 961-8211 • Fax (808) 961-6553
KONA: 74-5044 Ane Keohokalole Hwy., Bldg C • Kailua-Kona, Hawai'i 96740
(808) 323-4444 • Fax (808) 323-4440

Dear Chair McKelvey and members:

Thank you for this opportunity to comment on HB 1384 and HB 1461.

As we all know, the cost of housing in Hawaii is already so high that too many of our citizens are priced out of the market. Whether it is a question of creating housing stock for ownership or rental, we need to find ways to make it less expensive to build, rather than more expensive. For that reason, Hawaii County would not consider requiring sprinklers in residential dwellings, or agricultural or aquacultural buildings.

Respectfully submitted,

Wil Okabe
Managing Director
County of Hawaii

Hawai'i State Fire Council
c/o Honolulu Fire Department
636 South Street
Honolulu, HI 96813

LATE

February 1, 2017

The Honorable Angus L. K. McKelvey, Chair
Committee on Consumer Protection and Commerce
The State House of Representatives
State Capitol, Room 329
415 South Beretania St.
Honolulu, Hawaii 96813

Dear Chair McKelvey:

Subject: HB 1461 Relating to Fire Sprinklers

I am Robert F. Westerman, Vice-chair of the Hawaii State Fire Council (SFC). The SFC opposes HB 1461, which proposes to prevent charging for automatic fire sprinkler inspections in any housing project while also preventing the counties from requiring automatic fire sprinklers in one- and two-family dwellings.

This bill effectively prevents the counties from incorporating safe building codes particular to their island. Studies have shown automatic fire sprinklers are effective in reducing fire losses, injuries and fire related deaths. Contrary to some statements, there is no complementary system in place that is as effective in stopping fires as well as an automatic fire sprinkler.

Additional studies performed in California and Maryland demonstrated the cost of automatic fire sprinklers does not prevent nor deter homeowners from purchasing a home. In fact, in some areas, there was an increase in the purchase of homes.

The proper forum for national, model building codes to be reviewed, vetted, and adopted at the State level is the State Building Code Council, which is represented by a broad spectrum of stakeholders, including the building industry, architects, structural engineers, building and fire code officials. Instead of blocking this proven fire safety measure, the building industry should be cooperatively working together to make residential fire sprinklers affordable. Public safety and property protection are priorities for the SFC for which automatic residential fire sprinkler are the best life insurance against fires. The SFC urge your committee's deferral on the passage of HB 1461.

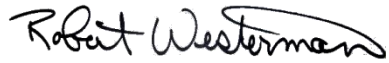
The Honorable Angus L. K. McKelvey, Chair

Page 2

February 1, 2017

Please contact me at (808) 241-4975 or rwesterman@kauai.gov should you have any questions or require additional information regarding this matter.



Sincerely,


A handwritten signature in black ink that reads "Robert Westerman". The signature is written in a cursive style with a prominent flourish at the end.

Robert Westerman
Vice Chair, Hawai'i State Fire Council

RFW/eld



 | 808-733-7060
 | 808-737-4977

 | 1259 A'ala Street, Suite 300
Honolulu, HI 96817

February 3, 2017

The Honorable Angus L.K. McKelvey, Chair
House Committee on Consumer Protection & Commerce
State Capitol, Room 329
Honolulu, Hawaii 96813

RE: H.B. 1461, Relating to Fire Sprinklers

HEARING: Friday, February 3, 2017, at 2:30 p.m.

Aloha Chair McKelvey, Vice Chair Ichiyama, and Members of the Committee.

I am Myoung Oh, Director of Government Affairs, here to testify on behalf of the Hawai'i Association of REALTORS® ("HAR"), the voice of real estate in Hawai'i, and its 9,000 members. HAR **supports** H.B. 1461 which prohibits counties from charging for automatic fire sprinkler or automatic fire sprinkler system inspections in any HHFDC housing projects; makes permanent the prohibition on counties from requiring installation or retrofitting of automatic fire sprinklers in new or existing one- or two-family dwelling units used only for residential purposes; repeals the prohibition on counties from requiring installation or retrofitting of automatic fire sprinklers in nonresidential agricultural and aquacultural buildings and structures located outside an urban area; and takes effect on June 29, 2017.

Building codes are important, as it has a broad community impact relating to health and safety for Hawaii's residents. When the financial cost of a more stringent building code outweighs the actual safety accomplished, HAR believes that a careful and detailed review be taken on these building code measures. For example, mandatory fire sprinklers, although well-intentioned, increase the baseline construction cost.


In multi-family dwellings and condominiums, there are usually on-staff professionals who are trained to maintain fire sprinkler systems. However, in a single-family home this is not the case. The average homeowner does not have the skills to be responsible for the ongoing maintenance necessary to keep a fire sprinkler system in operational condition. It would be difficult to create a regulation that increases the base cost of construction and then potentially creating a cottage industry of inspectors/maintenance professionals for maintaining these private sprinkler systems.


Moreover, most fire sprinkler systems call for an additional water meter and separate water line with a back flow prevention device. Because of the high volume of water required in fire





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sprinkler systems, the standard meter will not suffice. The Board of Water Supply (BWS) charges a high water development fee for water meters, plus the cost of installation, which all adds significant costs to any home. The BWS may determine that the water supply is insufficient for some areas to add fire sprinkler systems and move to deny the permit for those reasons.

In theory, building codes could adversely affect housing production and could increase housing costs through both substantive (technical) and administrative impediments. However, we would defer specific comments to qualified builders, architects and insurance professionals.

HAR notes that some subdivisions have additional private building standards that are required for housing built within its confines such as minimum square footage, garages vs. carports, etc. These types of design covenants are privately agreed upon and market driven. HAR supports the right of a developer and owners who knowingly purchase within a subdivision with these styles of covenants to continue.

Mahalo for the opportunity to testify in support of this measure.



From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 2, 2017 8:36 AM
To: CPCtestimony
Cc: lecair@nfsa.org
Subject: *Submitted testimony for HB1461 on Feb 3, 2017 14:30PM*

HB1461

Submitted on: 2/2/2017

Testimony for CPC on Feb 3, 2017 14:30PM in Conference Room 329

Submitted By	Organization	Testifier Position	Present at Hearing
Bruce Lecair	National Fire Sprinkler Assoc.	Oppose	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

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**Testimony to the House Committee on Consumer Protection
Friday, February 3, 2017
2:30 pm
Conference Room 329**

LATE**RE: SB 255 & SB 581 – Relating to the Conveyance Tax**

Chair McKelvey, Vice-Chair Ichiyama, and members of the committee:

My name is Gladys Quinto Marrone, CEO 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. 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 in **strong support** of H.B. 1384, which makes permanent the prohibition on the counties from requiring fire sprinklers in specific family dwelling units and agricultural and aquacultural buildings, but allows counties to require sprinklers for any new home that requires a variance from access road or fire-fighting water supply requirements.

BIA-Hawaii is also in **strong support** of H.B. 1461, which would prohibit counties from charging for automatic fire sprinkler or automatic fire sprinkler system inspections in any HHFDC housing projects. It also makes permanent the prohibition on counties from requiring installation or retrofitting of automatic fire sprinklers in new or existing one- or two-family dwelling units used only for residential purposes.

Act 83, which the legislature passed in 2012, and prohibits the counties from mandating fire sprinklers in all new one- and two- family homes, sunsets on June 30, 2017. H.B. 1384 and H.B. 1461 are critical in helping to keep housing affordable for Hawaii's families.

BIA-Hawaii is not against fire sprinklers, just the mandating of them.

Cost prohibitive

The true cost of installing fire sprinklers in single family homes ranges, depending on where in the State you live. The largest cost is from an upgraded water meter, which is required to support a sprinkler system. For a typical 3 bedroom, 2 bath single-family dwelling upgraded to a 1" meter:

Oahu	\$10,007.82 (1" meter) + \$25,826.67 (installation costs) = \$35,834.19
Maui	\$33,356 (1" meter) + \$32,760.34 (installation costs) = \$66,116.34
Hawaii	\$13,750 (1" meter) + \$26,902.80 (installation costs) = \$40,652.80

These numbers are the minimum required. On Kauai, the cost of the meter alone is \$35,290. If a larger home is built, a larger meter is required at a much higher cost. For example, to upgrade to a 1 1/2" meter, it would cost \$71,948 on Maui and \$70,580 on Maui, just for the meter. Yearly sprinkler inspections add to the cost of maintenance.

With the median price of a new home on Oahu at approximately \$750,000.00, adding the cost of a fire sprinkler system and larger water meter will dramatically increase the price of a home. The National Association of Home Builders' 2016 data for Hawaii found that for every \$1,000 increase in home price, 548 households are priced out of our housing market.

Working smoke detectors save lives

National organizations such as the American Red Cross advocate for a working smoke detector and an escape plan to help keep your family safe during a fire. According to the National Fire Protection Association (NFPA), the fire survival rate in homes with working smoke detectors is 99.41% and only rises to 99.6% with a sprinkler. However, the cost difference between the two systems is quite significant.

New homes are safer and older homes burn

New homes are constructed with technology that offers safer, more durable building materials and products than ever before. Interconnected smoke alarms, and other improvements mean you and your family are safer than ever.

The age of the home is an important piece of information when discussing residential fires, because various aspects of older homes can make them more prone to fires and more dangerous in the case one occurs. The leading causes of unintentional home structure fires are 1) cooking equipment, 2) heating equipment and 3) electrical distribution and lighting equipment. A strong relationship between housing age and the rate of electrical fires has been observed, with housing over 40 years old having the strongest association with electrical distribution fires.

Based on data from the Honolulu Fire Department, 77% of fires occurring in residential structures between 2009 and 2015 involved homes built before 1980. Building codes have dramatically increased since 1980. The improvements to fire safety required by building codes do not evaporate with age, so it can be expected that homes built today will continue to outperform those built several generations ago.

BIA-Hawaii members would benefit

Many of BIA's members would benefit from a mandate, but they support keeping sprinklers optional because if no homes are built due to the increased cost, then there will be nowhere to install plumbing. Furthermore, pipes filled with water within your walls and ceilings run the risk of leakage, leading to water damage and mold.

Not a national trend

Twenty-four States defeated a sprinkler mandate through their code adoption process and 20 States defeated the mandate legislatively. Only California and Maryland have adopted a mandate.

Statewide concern

Sprinklers are of statewide concern because housing affordability is a statewide concern, as evidenced by the number of bills this session addressing affordable housing and homelessness. Furthermore, the State Building Code Council works on codes that impact all the Counties, so it is not a home rule issue.

We do not want to place homeowners or firefighters in unnecessary danger resulting from a one or two family structure fire. We believe that there are more cost effective means available that would provide the same level of protection at a fraction of the cost of a new fire sprinkler system and larger water meter.

Our main concern is the impact a sprinkler mandate would have on the affordability of housing in Hawaii.

We **strongly support** of both H.B. 1384 and H.B. 1461 to keep residential sprinklers optional.

Thank you for the opportunity to express our views on this matter.



**Testimony to the House Committee on Consumer Protection & Commerce
Friday, February 3, 2017 at 2:30 P.M.
Conference Room 329, State Capitol**

LATE

RE: HOUSE BILLS 1384 AND 1461 RELATING TO FIRE SPRINKLERS

Chair McKelvey, Vice Chair Ichiyama, and Members of the Committee:

The Chamber of Commerce Hawaii ("The Chamber") **strongly supports** HB 1384, which makes permanent the prohibition on the counties from requiring fire sprinklers in specific family dwelling units and agricultural and aquacultural buildings, but allows counties to require sprinklers for any new home that requires a variance from access road or fire fighting water supply requirements.

The Chamber also **strongly supports** HB 1461, which prohibits counties from charging for automatic fire sprinkler or automatic fire sprinkler system inspections in any HHFDC housing projects; makes permanent the prohibition on counties from requiring installation or retrofitting of automatic fire sprinklers in new or existing one- or two-family dwelling units used only for residential purposes; repeals the prohibition on counties from requiring installation or retrofitting of automatic fire sprinklers in nonresidential agricultural and aquacultural buildings and structures located outside an urban area; and takes effect on June 29, 2017.

The Chamber is Hawaii's leading statewide business advocacy organization, representing about 1,600+ businesses. Approximately 80% of our members are small businesses with less than 20 employees. As the "Voice of Business" in Hawaii, the organization works on behalf of members and the entire business community to improve the state's economic climate and to foster positive action on issues of common concern.

We understand that in 2012, the BIA-Hawaii was successful in passing legislation (Act 83, 2012) that prohibits any County from requiring the installation of automatic fire sprinklers in any new or existing one-or two-family dwelling. This prohibition on the mandate expires on June 30, 2017.

The Chamber is in support of the BIA-Hawaii's efforts in leading the fighting the fire sprinkler mandate by introducing legislation (2017) that would "Prohibit" any county from mandating the installation of automatic fire sprinkler systems in all one and two family dwellings. By law, we would remove the ability of the State Building Code Council and the individual Counties to adopt the 2012 IRC, which includes the mandate. Installation of automatic fire sprinkler systems will remain as an "option" to new home buyers.

With the median price of a new home on Oahu at approximately \$750,000.00, adding the cost of a fire sprinkler system and larger water meter could increase the price of a home by



\$36,000 to \$42,000 depending on the size of the dwelling. If fire sprinklers are “mandated,” the additional cost may put the cost of a new home out of the reach of many families in Hawaii.

If the concern is the protection of the occupants of the dwelling, according to the National Fire Protection Association (NFPA), the fire survival rate in homes with working smoke detectors is 99.41% and only rises to 99.6% with a sprinkler. However, the cost difference between the two systems is quite significant.

If the concern is the protection of the firefighters, according to a study prepared by the Underwriter’s Laboratory (2012), firefighters can still expect close to 30 minutes of structural integrity in newer homes with a wood I joist floor with a layer of gypsum wallboard on the underside of the joists.” The difference in cost between a new automatic fire sprinkler system with associated increases in water meter size versus the cost of additional gypsum board to cover any exposed lightweight structural materials in new home construction is several thousand dollars.

We do not want to place homeowners or firefighters in unnecessary danger resulting from a one or two family structure fire. We believe that there are more cost effective means available that would provide the same level of protection at a fraction of the cost of a new fire sprinkler system and larger water meter.

Our concern, primarily in Hawaii is the impact such a mandate would have on the affordability of housing in Hawaii. In 2014, the National Association of Home Builders (NAHB) prepared a state by state analysis of the number of home buyers impacted for every \$1,000 increases in price. In 2014, 594 households in Hawaii were priced out of the market by a \$1,000 increase in price.

We support both HB 1384 and HB 1461 to prohibit the mandating of new fire sprinkler systems in all new one and two family dwellings.

Thank you for the opportunity to testify.

LATE

Testimony of
Christopher Delaunay
Pacific Resource Partnership

House Committee on Consumer Protection & Commerce
Representative Angus L.K. McKelvey, Chair
Representative Linda Ichiyama, Vice Chair

HB 1384 and 1461 – Relating to Fire Sprinklers

Friday, February 3, 2017
2:30 P.M.
State Capitol – Room 329

Aloha Chair McKelvey, Vice Chair Ichiyama and members of the Committee:

We support HB 1384 Relating to Fire Sprinklers, which makes permanent the prohibition on the counties from requiring fire sprinklers in specific family dwelling units and agricultural and aqua cultural buildings, but allows counties to require sprinklers for any new home that requires a variance from access road or fire-fighting water supply requirements.

We also support HB 1461 Relating to Fire Sprinklers, which makes permanent the prohibition on counties from requiring installation or retrofitting of automatic fire sprinklers in new or existing one- or two-family dwelling units used only for residential purposes.

As we all know, we have a housing crisis across the State with the price of homes becoming further out of reach for Hawaii families. Mandating fire sprinklers will increase the cost of a home and outprice many homebuyers with an additional cost of \$35,000 to over \$100,000 depending on area of residence. We believe fire sprinklers should be done voluntarily or as an alternative to installing a fire department access road or water supply.

For the reasons mentioned above, we respectfully request your support on HB 1384 and 1461. Thank you for the opportunity to share our views with you.



(Continued From Page 1)

About PRP

Pacific Resource Partnership (PRP) is a not-for-profit organization that represents the Hawaii Regional Council of Carpenters, the largest construction union in the state, and more than 240 of Hawaii's top contractors. Through this unique partnership, PRP has become an influential voice for responsible construction and an advocate for creating a stronger, more sustainable Hawaii in a way that promotes a vibrant economy, creates jobs and enhances the quality of life for all residents.

CPCtestimony

From: Kulia Petzoldt <tkpetzoldt@me.com>
Sent: Thursday, February 2, 2017 9:15 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

I am a Hawaii born & raised adult who owns a home on Oahu. I have carefully outfitted my home with smoke alarms, and if I were required during a future rebuild to add sprinklers - it might push the project further out of our family's price range.

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

A working smoke alarm is proven to save lives. And technology used in today's new home construction offers safer, more durable building materials and products. Interconnected smoke alarms, radon mitigation systems and other improvements mean we are safer than ever in a new home.

I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Thank you,

Sincerely,

Kulia Petzoldt (96734)
1043 Apokula St
Kailua, HI 96734
tkpetzoldt@me.com

CPCtestimony

From: Victor Leonardi <victor@nekao.net>
Sent: Thursday, February 2, 2017 8:20 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Victor Leonardi
PO Box 10331
Hilo, HI 96721
victor@nekao.net

CPCtestimony

From: Karen Berry <karen@tradepublishing.com>
Sent: Wednesday, February 1, 2017 10:54 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

A working smoke alarm is proven to save lives. And technology used in today's new home construction offers safer, more durable building materials and products. Interconnected smoke alarms, radon mitigation systems and other improvements mean we are safer than ever in a new home.

I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Mahalo for all you do for Hawaii!

Sincerely,

Karen Berry
60 N Beretania St Apt 3502
Honolulu, HI 96817
karen@tradepublishing.com

ichiyama2 - Brandon

From: Calvin Mann <calvin.mann@howardhughes.com>
Sent: Wednesday, February 1, 2017 11:08 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

A working smoke alarm is proven to save lives. And technology used in today's new home construction offers safer, more durable building materials and products. Interconnected smoke alarms, radon mitigation systems and other improvements mean we are safer than ever in a new home.

I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Calvin Mann
6278 Kauhola Pl
Honolulu, HI 96825
calvin.mann@howardhughes.com

ichiyama2 - Brandon

From: Michael Lum <mlum@mlpacific.com>
Sent: Wednesday, February 1, 2017 11:45 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Michael Lum
1302 Kaeleku St
Honolulu, HI 96825
mlum@mlpacific.com

ichiyama2 - Brandon

From: Tiffany Britton <weebeastiesminis@gmail.com>
Sent: Thursday, February 2, 2017 4:06 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Tiffany Britton
99-435 FERNRIDGE PL
AIEA, HI 96701
weebeastiesminis@gmail.com

ichiyama2 - Brandon

From: Mr. & Mrs. Gary Okimoto <koapens@hawaii.rr.com>
Sent: Thursday, February 2, 2017 4:14 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Gary Okimoto
92-1328 Punawainui St
Kapolei, HI 96707
koapens@hawaii.rr.com

ichiyama2 - Brandon

From: Jessica Omoto <jesm1@hawaiiantel.net>
Sent: Thursday, February 2, 2017 5:59 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Jessica Omoto
98-402 KOAUKA LOOP APT 2215
AIEA, HI 96701
jesm1@hawaiiantel.net

ichiyama2 - Brandon

From: Kimo Pierce <Kimo@HawaiiPlumbingGroup.com>
Sent: Thursday, February 2, 2017 5:59 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Kimo Pierce
1177 Queen St
Honolulu, HI 96814
Kimo@HawaiiPlumbingGroup.com

ichiyama2 - Brandon

From: Audrey Hidano <audrey@hidanoconstruction.com>
Sent: Thursday, February 2, 2017 6:04 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Audrey Hidano
1620 Hau St
Honolulu, HI 96817
audrey@hidanoconstruction.com

ichiyama2 - Brandon

From: Nelson Higa <Nelson.Higa@hcentral.com>
Sent: Thursday, February 2, 2017 6:04 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Nelson Higa
3009 Ala Makahala Pl Apt 708
Honolulu, HI 96818
Nelson.Higa@hcentral.com

ichiyama2 - Brandon

From: Roy Nihei <royn@g70.design>
Sent: Thursday, February 2, 2017 6:40 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Roy Nihei
925 Bethel St Fl 5
Honolulu, HI 96813
royn@g70.design

ichiyama2 - Brandon

From: Greg Sakamoto <greg@scpacific.com>
Sent: Thursday, February 2, 2017 7:07 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Greg F Sakamoto
1248 Ala Mahamoe St
Honolulu, HI 96819
greg@scpacific.com

ichiyama2 - Brandon

From: Mr. & Mrs. Dennis Nishiguchi <dtnishiguchi@drhorton.com>
Sent: Thursday, February 2, 2017 7:09 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Dennis Nishiguchi
1816 Palolo Ave Apt C
Honolulu, HI 96816
dtnishiguchi@drhorton.com

ichiyama2 - Brandon

From: May Akamine <may.m.akamine@gmail.com>
Sent: Thursday, February 2, 2017 7:12 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Mahalo nui loa for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

May Akamine
45-537 LOIHI PL
KANEEOHE, HI 96744
may.m.akamine@gmail.com

ichiyama2 - Brandon

From: Dale White <dale_w@hotmail.com>
Sent: Thursday, February 2, 2017 7:26 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Dale White
1047 Lolena St
Honolulu, HI 96817
dale_w@hotmail.com

ichiyama2 - Brandon

From: Alan Arakawa <aarakawa@abprop.com>
Sent: Thursday, February 2, 2017 7:49 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Alan Arakawa
2194 Halakau St
Honolulu, HI 96821
aarakawa@abprop.com

ichiyama2 - Brandon

From: Gregory Thielen <greg@ccs-hawaii.com>
Sent: Thursday, February 2, 2017 7:56 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Gregory Thielen
63 Kalaka Pl
Kailua, HI 96734
greg@ccs-hawaii.com

ichiyama2 - Brandon

From: Shelley Tanner <shelley@johncookkitchens.com>
Sent: Thursday, February 2, 2017 8:15 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Shelley Tanner
6121 Pahukula Pl
Honolulu, HI 96821
shelley@johncookkitchens.com

ichiyama2 - Brandon

From: Mr. & Mrs. Steve Hile <histevjudy@hotmail.com>
Sent: Thursday, February 2, 2017 8:27 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

A working smoke alarm is proven to save lives. And technology used in today's new home construction offers safer, more durable building materials and products. Interconnected smoke alarms, radon mitigation systems and other improvements mean we are safer than ever in a new home.

I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Government in Hawaii has become to intrusive!

Sincerely,

Steve Hile
94-226 KANAWAO PL
WAIPAHU, HI 96797
histevjudy@hotmail.com

ichiyama2 - Brandon

From: Victor Leonardi <victor@nekao.net>
Sent: Thursday, February 2, 2017 8:20 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Victor Leonardi
PO Box 10331
Hilo, HI 96721
victor@nekao.net

ichiyama2 - Brandon

From: kevin kaneko <kaneko9@mac.com>
Sent: Thursday, February 2, 2017 8:37 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

kevin kaneko
41-019 MANANA ST
WAIMANALO, HI 96795
kaneko9@mac.com

ichiyama2 - Brandon

From: Judy Weinstein <judy@rweinstein.com>
Sent: Thursday, February 2, 2017 8:33 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Judy Weinstein
1253 S Beretania St Apt 2713
Honolulu, HI 96814
judy@rweinstein.com

ichiyama2 - Brandon

From: Darrell Tamaru <dtamaru@castlecooke.com>
Sent: Thursday, February 2, 2017 8:38 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Darrell Tamaru
680 Iwilei Rd
Honolulu, HI 96817
dtamaru@castlecooke.com

ichiyama2 - Brandon

From: Dwight Mitsunaga <dmitsunaga@pacarchitects.com>
Sent: Thursday, February 2, 2017 8:49 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Dwight Mitsunaga
817 Ikena Cir
Honolulu, HI 96821
dmitsunaga@pacarchitects.com

ichiyama2 - Brandon

From: Linda Markt <ldmarkt@gmail.com>
Sent: Thursday, February 2, 2017 8:55 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Linda Markt
420 N Kalaheo Ave
Kailua, HI 96734
ldmarkt@gmail.com

ichiyama2 - Brandon

From: Linda Alberto <lalberto@haseko.com>
Sent: Thursday, February 2, 2017 8:52 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Linda Alberto
92-535 AKAAWA ST
KAPOLEI, HI 96707
lalberto@haseko.com

ichiyama2 - Brandon

From: Naomi Choquette <naomi_choquette@whirlpool.com>
Sent: Thursday, February 2, 2017 9:14 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Naomi Choquette
95-1002 KANAE ST
MILILANI, HI 96789
naomi_choquette@whirlpool.com

ichiyama2 - Brandon

From: Craig Washofsky <craigw@servco.com>
Sent: Thursday, February 2, 2017 9:26 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Craig Washofsky
825 Alahaki St
Kailua, HI 96734
craigw@servco.com

ichiyama2 - Brandon

From: John hayama <John.Hayama@locationshawaii.com>
Sent: Thursday, February 2, 2017 9:44 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

John hayama
3148 E Manoa Rd Apt C
Honolulu, HI 96822
John.Hayama@locationshawaii.com

ichiyama2 - Brandon

From: Evan Fujimoto <evan@grahambuilders.com>
Sent: Thursday, February 2, 2017 10:28 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Evan Fujimoto
5616 Haleola St
Honolulu, HI 96821
evan@grahambuilders.com

ichiyama2 - Brandon

From: Jaime McKinney <mika@atlasconstruction808.com>
Sent: Thursday, February 2, 2017 10:29 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Jaime McKinney
3340 Halelani Dr
Honolulu, HI 96822
mika@atlasconstruction808.com

ichiyama2 - Brandon

From: Reyna Kim <reyna@atlasconstruction808.com>
Sent: Thursday, February 2, 2017 10:45 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Reyna Kim
PO Box 22842
Honolulu, HI 96823
reyna@atlasconstruction808.com

ichiyama2 - Brandon

From: Deanna Cordier <dcordier@drhorton.com>
Sent: Thursday, February 2, 2017 10:41 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Deanna Cordier
130 Merchant St Ste 110
Honolulu, HI 96813
dcordier@drhorton.com

From: Steven Gangwes <skgangwes@drhorton.com>
Sent: Thursday, February 2, 2017 11:47 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Aloha Chair McKelvey, I work for D.R. Horton and just want to reiterate the words expressed by the B.I.A. We are struggling to provide homes and keep the cost down. It is getting more difficult with every community we are developing. The cost for fire sprinkler systems in single-family and duplex homes will be overwhelmingly costly and eliminate many local families from being able to buy homes. Mahalo for reading this and for your consideration.

Sincerely,

Steven Gangwes
1519 Nuuanu Ave Unit 12
Honolulu, HI 96817
skgangwes@drhorton.com

From: Diane Koki <dk@roykokigc.com>
Sent: Thursday, February 2, 2017 12:23 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

Do the statistics show a great many deaths from house fires in Hawaii? While no death is unimportant in its effects to family and loss of property, the majority of homes in Hawaii never experience a fire incidence. There was a time when education was used as a fire preventative measure and the use of common sense and care goes a long way

I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Perhaps when the cost of living in Hawaii comes down considerably, our lawmakers can propose this kind of legislation. But raising the cost of living in Hawaii just doesn't make sense for those of us who love Hawaii and want to continue living here.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Diane Koki
94-1388 MOANIANI ST
WAIPAHU, HI 96797
dk@roykokigc.com

From: John F. Metzler <john@metzlercontracting.com>
Sent: Thursday, February 2, 2017 11:35 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Dear Members of Congress, Chair McKelvey and Committee members,

This letter is written to stress my strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. The Congress has no business mandating fire sprinkler installation on a private residence.

Families can barely afford a home without still more and more expense added by government bureaucrats.

Sincerely,

John F. Metzler
PO Box 617
Kapaau, HI 96755
john@metzlercontracting.com

From: Nancy Schnur <nancy.uillc@gmail.com>
Sent: Thursday, February 2, 2017 3:35 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

As a professional interior designer working with everyday people in this community I am very concerned about the additional costs mandatory sprinklers would incur.

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

A working smoke alarm is proven to save lives. And technology used in today's new home construction offers safer, more durable building materials and products. Interconnected smoke alarms, radon mitigation systems and other improvements mean we are safer than ever in a new home.

I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Please remember there are other methods of saving lives and preventing fires in homes.

Sincerely,

Nancy Schnur
1176 Lunaai St
Kailua, HI 96734
nancy.uillc@gmail.com

From: Cathy Tong <cathy@honoluluwc.com>
Sent: Thursday, February 2, 2017 12:05 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

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I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Cathy Tong
1124 Kohou St
Honolulu, HI 96817
cathy@honoluluwc.com

LATE

CPCtestimony

From: Vanessa Yanagawa <vkyanagawa@drhorton.com>
Sent: Thursday, February 2, 2017 12:00 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

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I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Vanessa Yanagawa
520 Lunalilo Home Rd Unit 336
Honolulu, HI 96825
vkyanagawa@drhorton.com

ichiyama2 - Brandon

LATE

From: Mary Flood <MKFlood@drhorton.com>
Sent: Thursday, February 2, 2017 1:05 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

A working smoke alarm is proven to save lives. And technology used in today's new home construction offers safer, more durable building materials and products. Interconnected smoke alarms, radon mitigation systems and other improvements mean we are safer than ever in a new home.

I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Mary Flood
1236 Kamehame Dr
Honolulu, HI 96825
MKFlood@drhorton.com

ichiyama2 - Brandon

LATE

From: Olivia Ucker <olivia@hkchawaii.com>
Sent: Thursday, February 2, 2017 1:58 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

A working smoke alarm is proven to save lives. And technology used in today's new home construction offers safer, more durable building materials and products. Interconnected smoke alarms, radon mitigation systems and other improvements mean we are safer than ever in a new home.

I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Olivia Ucker
98-1038 MOANALUA RD
AIEA, HI 96701
olivia@hkchawaii.com

From: Kelly Chandler <kchandler@castlecooke.com>
Sent: Thursday, February 2, 2017 2:02 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

A working smoke alarm is proven to save lives. And technology used in today's new home construction offers safer, more durable building materials and products. Interconnected smoke alarms, radon mitigation systems and other improvements mean we are safer than ever in a new home.

I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable.

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Kelly Chandler
92-311 KIWAINUI PL
KAPOLEI, HI 96707
kchandler@castlecooke.com

From: Mike Brant <mikeb@gentryhawaii.com>
Sent: Thursday, February 2, 2017 3:11 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Mike Brant
2101 Nuuanu Ave Apt 1304
Honolulu, HI 96817
mikeb@gentryhawaii.com

From: Jennifer Okino <jenniferh@lai-hawaii.com>
Sent: Thursday, February 2, 2017 2:23 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Jennifer Okino
1100 Alakea St Fl 3
Honolulu, HI 96813
jenniferh@lai-hawaii.com

From: Steve Allen <sallen@allensplumbinghi.com>
Sent: Thursday, February 2, 2017 4:47 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Steve Allen
335 Loha Pl
Makawao, HI 96768
sallen@allensplumbinghi.com

From: Craig Watase <cwatase@hawaii.rr.com>
Sent: Thursday, February 2, 2017 6:33 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

My name is Craig Watase, President of Mark Development. We are affordable housing developers and property managers for government assisted housing.

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

I support the safety of residents and fire fighters, but we have a housing crisis throughout the State. DBEDT reports that Hawaii needs over 66,000 new housing units over the next ten years to accommodate population growth. Our median home price is about \$730,000 on Oahu, and the median household income is \$87,900 for a family of four. Families can barely afford a home now, and many can't so are homeless or are hidden homeless. What more when \$35,000 to over \$100,000 (on Maui) is added for a fire sprinkler system?? And add the cost of yearly maintenance on top of that.

A working smoke alarm is proven to save lives. And technology used in today's new home construction offers safer, more durable building materials and products. Interconnected smoke alarms, radon mitigation systems and other improvements mean we are safer than ever in a new home.

I am not opposed to fire sprinklers; anyone who wants to install one is free to do so. But, I am strongly opposed to mandating fire sprinklers in all new one- and two-family homes because doing so is not cost-effective, new homes are built better and safer, and we have a housing crisis so we need to do all we can to keep homes affordable. Why would you require this of just new homes when it is the older homes that are more susceptible to fires?

Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Craig Watase
489 Anolani St
Honolulu, HI 96821
cwatase@hawaii.rr.com

From: Penny Sakamoto <user@voterveice.net>
Sent: Thursday, February 2, 2017 6:49 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Penny Sakamoto
1248 Ala Mahamoe St
Honolulu, HI 96819
sakamops@yahoo.com

From: Theo Fujiyoshi <theohecook@gmail.com>
Sent: Thursday, February 2, 2017 9:40 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Mahalo for your time.
Theo & Melvin Fujiyoshi

Sincerely,

Theo Fujiyoshi
444 Nahua St Apt 811
Honolulu, HI 96815
theohecook@gmail.com

From: Terri Yoshinaga <mztee22@hotmail.com>
Sent: Thursday, February 2, 2017 9:41 PM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Terri Yoshinaga
3506 Akaka Pl
Honolulu, HI 96822
mztee22@hotmail.com

From: Allen Giles <allen.scott.giles@gmail.com>
Sent: Friday, February 3, 2017 8:47 AM
To: CPCtestimony
Subject: Strong Support for H.B.s 1384 and 1461 to keep sprinklers OPTIONAL

Dear Chair McKelvey,

Aloha Chair McKelvey and members of the Committee,

I am in strong support of H.B.s 1384 and 1461, to keep residential fire sprinklers optional in all new one- and two-family homes. Act 83, SLH 2012, is scheduled to sunset on June 30, 2017, so these bills will remove this sunset date and keep sprinklers optional for the new homeowner.

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Thank you for this opportunity to testify in strong support of H.B.s 1384 and 1461.

Sincerely,

Allen Giles
1910 Ala Moana Blvd
Honolulu, HI 96815
allen.scott.giles@gmail.com