

DAVID Y. IGE
GOVERNOR

JOSH GREEN
LIEUTENANT GOVERNOR



SCOTT T. MURAKAMI
DIRECTOR

LEONARD HOSHIJO
DEPUTY DIRECTOR

STATE OF HAWAII
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS
830 PUNCHBOWL STREET, ROOM 321
HONOLULU, HAWAII 96813
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Phone: (808) 586-8844 / Fax: (808) 586-9099
Email: dlir.director@hawaii.gov

April 1, 2019

The Honorable Donovan Dela Cruz, Chair
Committee on Ways and Means
The State Senate
State Capitol, Room 208
Honolulu, Hawaii 96813

Dear Chair Kim:

Subject: House Bill (HB) 560, House Draft (HD) 1 Relating to Energy Training

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 support HB 560 HD 1, which seeks to establish energy systems and technology training courses for county officers and employees, who are responsible for permitting, inspecting, licensing, and approving construction projects, and an advisory committee of industry stakeholders and submit a report to the legislature.

The SFC and the HFD recognize that the alternative/renewable energy industry in Hawaii is experiencing rapid growth and technological innovation. Therefore, appropriate first responder training to properly manage emergency incidents involving these potentially high-voltage systems are a significant life safety priority. Furthermore, county officials and personnel must acquire and maintain the knowledge, skills, and abilities to properly inspect, approve, and license projects containing these systems.

The SFC and the HFD believes in a comprehensive approach to statewide training for first responders, county officers, and other employees and urges your committee's support on the passage of HB 560, HD 1.

Should you have questions, please contact SFC Administrative Specialist Lloyd Rogers at 723-7176 or lrogers@honolulu.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "M. Neves".

MANUEL P. NEVES
Chair

MPN/LR:clc



DAVID Y. IGE
GOVERNOR

MIKE MCCARTNEY
DIRECTOR

DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

No. 1 Capitol District Building, 250 South Hotel Street, 5th Floor, Honolulu, Hawaii 96813
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Statement of
MIKE MCCARTNEY
Director

Department of Business, Economic Development, and Tourism
before the
SENATE COMMITTEE ON HIGHER EDUCATION

Wednesday, April 3, 2019
10:20 AM
State Capitol, Conference Room 211

In consideration of
HB 560, HD1
RELATING TO ENERGY TRAINING.

Chair Deal Cruz, Vice Chair Keith-Agaran, and members of the Committee. The Department of Business, Economic Development, and Tourism (DBEDT) **supports** HB 560, HD1, which requires University of Hawaii (UH) community colleges to establish energy systems and technology training courses for County officers and employees. UH is required to establish an advisory committee, including industry and County representatives, to provide input to UH community colleges on the energy systems and technology training courses and assist with outreach.

DBEDT is committed to achieving Hawaii's statutory goal of 100% Renewable Portfolio Standards (RPS) by 2045 as a means of decarbonizing our economy from fossil fuels, amongst other environmental and economic benefits. Training for County officers and employees responsible for permitting, inspecting, licensing, and approving energy systems and technology construction projects would support Hawaii's ambitious RPS goal as education on industry standards and new innovations for County workers involved in energy construction projects can inform and expedite the permitting process.

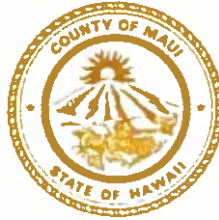
DBEDT defers to UH community colleges on the level of funding required to develop and implement the energy systems and technology training program. We support this bill provided that its passage does not replace or adversely impact priorities indicated in our Executive Budget.

Thank you for the opportunity to testify.

MICHAEL P. VICTORINO
Mayor

DAVID C. THYNE
Fire Chief

BRADFORD K. VENTURA
Deputy Fire Chief



DEPARTMENT OF FIRE & PUBLIC SAFETY
COUNTY OF MAUI
200 DAIRY ROAD
KAHULUI, HI 96732

April 1, 2019

The Honorable Donovan Dela Cruz, Chair
Committee on Ways and Means
The State Senate
State Capitol, Room 208
Honolulu, Hawaii 96813

Dear Chair Kim:

Subject: House Bill (HB) 560, House Draft (HD) 1 Relating to Energy Training

I am David C. Thyne, member of the Hawaii State Fire Council (SFC) and Fire Chief of the Maui Fire Department (MFD). The SFC and the MFD support HB 560 HD 1, which seeks to establish energy systems and technology training courses for county officers and employees, who are responsible for permitting, inspecting, licensing, and approving construction projects, and an advisory committee of industry stakeholders and submit a report to the legislature.

The SFC and the MFD recognize that the alternative/renewable energy industry in Hawaii is experiencing rapid growth and technological innovation. Therefore, appropriate first responder training to properly manage emergency incidents involving these potentially high-voltage systems are a significant life safety priority. Furthermore, county officials and personnel must acquire and maintain the knowledge, skills, and abilities to properly inspect, approve, and license projects containing these systems.

The SFC and the MFD believes in a comprehensive approach to statewide training for first responders, county officers, and other employees and urges your committee's support on the passage of HB 560, HD 1.

Should you have questions, please contact SFC Administrative Specialist Lloyd Rogers at (808) 723-7176 or lrogers@honolulu.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Thyne", written over a horizontal line.

DAVID C. THYNE
Fire Chief

DCT/LR:clc



KAUA'I FIRE DEPARTMENT
THE COUNTY OF KAUA'I
DEREK S. K. KAWAKAMI, MAYOR
MICHAEL A. DAHLIG, MANAGING DIRECTOR

KILIPAKI VAUGHAN
DEPUTY FIRE CHIEF

The Honorable Donovan Dela Cruz, Chair
The Honorable Gilbert S. C. Keith-Agaran, Vice Chair
Senate Committee on Ways and Means

April 3, 2019; 10:20 am
Conference Room 211

In consideration of HB 560 HD 1
Relating to Energy Training

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran and Members of the Committee:

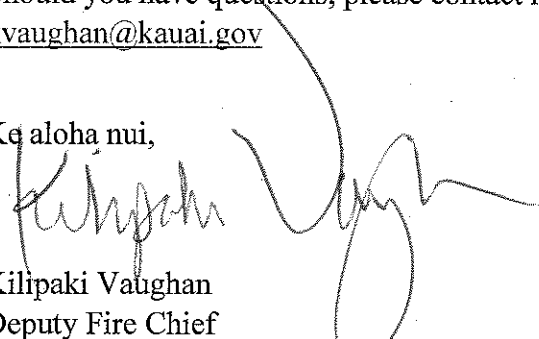
I am Kilipaki Vaughan, Deputy Fire Chief of the Kauai Fire Department (KFD). The KFD **supports** HB 560 HD 1, which seeks to establish energy systems and technology training courses for county officers and employees, who are responsible for permitting, inspecting, licensing, and approving construction projects, and an advisory committee of industry stakeholders and submit a report to the legislature.

The KFD recognizes that the alternative/renewable energy industry in Hawaii is experiencing rapid growth and technological innovation. Therefore, appropriate first responder training to properly manage emergency incidents involving these potentially high-voltage systems are a significant life safety priority. Furthermore, county officials and personnel must acquire and maintain the knowledge, skills, and abilities to properly inspect, approve, and license projects containing these systems.

The KFD believes in a comprehensive approach to statewide training for first responders, county officers, and other employees and urges your committee's support on the passage of HB 560 HD 1.

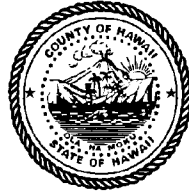
Should you have questions, please contact me at (808) 241-4980 or via email at kvaughan@kauai.gov

Ke aloha nui,


Kilipaki Vaughan
Deputy Fire Chief
Kauai Fire Department, County of Kauai



Harry Kim
Mayor



Darren J. Rosario
Fire Chief

Lance S. Uchida
Deputy Fire Chief

County of Hawai'i
HAWAI'I FIRE DEPARTMENT
25 Aupuni Street • Suite 2501 • Hilo, Hawai'i 96720
(808) 932-2900 • Fax (808) 932-2928

April 1, 2019

The Honorable Donovan Dela Cruz, Chair
Committee on Ways and Means
The State Senate
State Capitol, Room 208
Honolulu, Hawai'i 96813

Dear Chair Dela Cruz:

Subject: H.B. 560, HD 1, RELATING TO ENERGY TRAINING
Hearing Date: Wednesday, April 3, 2019
Time/Place of Hearing: 10:20 a.m., Conference Room 211

I am Darren J. Rosario, Member of the Hawai'i State Fire Council (SFC) and Fire Chief of the Hawai'i Fire Department of the County of Hawai'i (HCFD). The SFC and the HCFD supports HB 560, HD 1, which will establish energy systems and technology training courses for county officers and employees, who are responsible for permitting, inspecting, licensing, and approving construction projects, and an advisory committee of industry stakeholders and to submit a report to the legislature.

The SFC and the HCFD supports appropriate critical training for emergency responders regarding prompt response and mitigation of incidents involving alternative/renewable energy high voltage systems. Training will also enhance safety for those responsible to inspect and approve said systems.

Please do not hesitate to call me at 932-2901 or darren.rosario@hawaiicounty.gov should you have any questions. Thank you for the opportunity to provide testimony in support of HB 560, HD1.

Respectfully,

A handwritten signature in black ink, appearing to read "Darren J. Rosario".

DARREN J. ROSARIO
Fire Chief





To: The Senate Committee on Ways and Means
From: Sherry Pollack, 350Hawaii.org
Date: Wednesday, 4/3/19

In support of HB 560 HD1

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and members of the WAM committee,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. On behalf of our 6,000 members and supporters, 350Hawaii.org **supports HB560 HD1.**

To reach our clean energy goals, we need enough people trained to inspect and approve distributed energy systems and the newer clean energy technology that is continually emerging.

These systems must be safe and reliable. More PV and battery storage, for example, will require inspectors qualified to approve the latest technologies.

No one wants accidents or expensive mistakes in our clean energy equipment. HB560 HD1 will ensure that we avoid them.

Thank you for the opportunity to testify in **support** of this important bill.

Sherry Pollack
Co-Founder, 350Hawaii.org

HB-560-HD-1

Submitted on: 4/1/2019 9:50:26 PM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
David Mulinix	Testifying for Our Revolution Hawaii	Support	No

Comments:



Hawai'i Energy

YOUR CONSERVATION & EFFICIENCY PROGRAM

1132 Bishop Street, Suite 1800 • Honolulu, Hawai'i 96813 • HawaiiEnergy.com • P: (808) 839-8880 • F: (808) 441-6068

Before the Senate Committee on Ways and Means
Wednesday, April 3, 2019, 10:20 AM, Conference Room 211
HB560 HD1: Relating to Energy Training

Chair Dela Cruz, Vice-Chair Keith-Agaran, and members of the committee:

The Hawai'i Energy program would like to testify in **support** for HB560 HD1.

Hawai'i Energy works to empower island families and businesses on behalf of the Hawai'i Public Utilities Commission (PUC) to make smart energy choices to reduce energy consumption, save money, and pursue a 100% clean energy future.

Hawai'i Energy finds professional development in the forms of trainings an effective way to raise the workforce and industry knowledge baseline. Hawai'i Energy sponsors trainings for a variety of energy-related subjects such as building operations, energy management, lighting, lighting controls, HVAC, etc. to name a few. Said trainings are attended by facility managers, equipment installation contractors, energy sales professionals and others whom have responded well in feedback surveys.

Establishing energy systems and technology training courses for officers and employees of the counties would likewise empower said employees to make the best decision making and analysis when regarding energy projects. Needless to say that due to the lifetime of certain equipment, making the right choice can go a long ways toward helping the state reach its clean energy goals.

Thank you for the opportunity to provide comments on HB560 HD1.

Karen Shishido
Transformational Program Manager
Hawai'i Energy

HB-560-HD-1

Submitted on: 3/31/2019 5:18:07 AM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Jonathan Boyne	Individual	Support	No

Comments:

Training on renewable energy systems is a key and necessary component for the success of Hawaii's zero-emissions future. A lack of trained officers and employees could lead to unnecessary delays and hamper us from achieving our renewable portfolio goals.

HB-560-HD-1

Submitted on: 3/31/2019 7:43:44 AM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
donald erway	Individual	Support	No

Comments:

HB-560-HD-1

Submitted on: 3/31/2019 9:21:36 AM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Kanani Kai	Individual	Support	No

Comments:

HB-560-HD-1

Submitted on: 3/31/2019 12:08:25 PM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
John NAYLOR	Individual	Support	No

Comments:

Aloha,

Of course we must train those who are responsible for the transformation to 100% renewables!

HB-560-HD-1

Submitted on: 3/31/2019 2:13:10 PM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
christine trecker	Individual	Support	No

Comments:

Please support HB560 HD1. Education is key as Hawaii transitions to a clean energy future. Without knowledgeable, trained staff to help implement and sustain renewable energy systems, Hawaii's clean energy goals will be stymied. Vote yes to HB560 HD1!

Thank you for your consideration.

HB-560-HD-1

Submitted on: 3/31/2019 4:15:32 PM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Andrea Nandoskar	Individual	Support	No

Comments:

Training on renewable energy systems is a key and necessary component for the success of Hawaii's zero-emissions future. A lack of trained officers and employees could lead to unnecessary delays and hamper us from achieving our renewable portfolio goals.

HB-560-HD-1

Submitted on: 4/1/2019 2:41:08 PM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
pamela burrell	Individual	Support	No

Comments:

This is about local job training for the future of Hawaii !

Training on renewable energy systems is a key and necessary component for the success of Hawaii's zero-emissions future. A lack of trained officers and employees could lead to unnecessary delays and hamper us from achieving our renewable portfolio goals.

Mahalo,

Pamela Burrell, Kalihiwai, Kaua'i

HB-560-HD-1

Submitted on: 4/1/2019 6:41:56 PM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Michele Nihipali	Individual	Support	No

Comments:

Training on renewable energy systems is a key and necessary component for the success of Hawaii's zero-emissions future. A lack of trained officers and employees could lead to unnecessary delays and hamper us from achieving our renewable portfolio goals.

Mahalo for your consideration,

Michele Nihipali

54-074 A Kam Hwy.

Hauula, HI 96717

HB-560-HD-1

Submitted on: 4/1/2019 9:42:16 PM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Sylvia Ching	Individual	Support	No

Comments:

HB-560-HD-1

Submitted on: 4/1/2019 9:59:35 PM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Dale Jensen	Individual	Support	No

Comments:

Dear Ways and Means Committee Members,

Training on renewable energy systems is a key and necessary component for the success of Hawaii's zero-emissions future. A lack of trained officers and employees could lead to unnecessary delays and hamper us from achieving our renewable portfolio goals. I urge you to support this bill to require UH community colleges to establish these appropriate energy systems and technology training courses. We must establish the infrastructure needed to move toward a fossil free economy.

Thank you,

Dale Jensen, Professional Engineer, Kailua, Oahu.

HB-560-HD-1

Submitted on: 4/2/2019 8:23:07 AM

Testimony for WAM on 4/3/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Cecilia Reid	Individual	Support	No

Comments: