

DAVID Y. IGE
Governor

JOSH GREEN
Lieutenant Governor

MIKE MCCARTNEY
Director



LATE

DANIEL ORODENKER
Executive Officer

Bert K. Saruwatari
Planner

COTT A.K. DERRICKSON AICP
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RILEY K. HAKODA
Chief Clerk/Planner

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FRED A. TALON
Drafting Technician

LAND USE COMMISSION
Department of Business, Economic Development & Tourism
State of Hawai'i

Statement of
Daniel E. Orodenker
Executive Officer
Land Use Commission
Before the
Senate Committee on Agriculture and Environment
Senate Committee on Government Operations
and
Senate Committee on Public Safety, Intergovernmental, and Military Affairs

Thursday February 7, 2019
2:45 PM
State Capitol, Conference Room 225

In consideration of
SB 434
RELATING TO CLIMATE CHANGE

Chairs Gabbard, Thielen, and Nishihara; Vice Chairs Ruderman, Inouye, and Wakai; and members of the Senate Committees Agriculture and Environment; Government Operations; Public Safety, Intergovernmental, and Military Affairs:

The Land Use Commission (LUC) supports the purpose and intent of this measure. The LUC is in the process of finalizing amendments to its administrative rules that requires applicants to provide information on climate change impacts and proposed mitigation measures.

The LUC recognizes that these long-term issues are important to consider during our proceedings. Decisions by the LUC today will have significant impacts on future greenhouse gas emissions, responses to climate change, and sustainability.

We would like to point out that the proposed measure uses the term “significant” with respect to greenhouse gas emissions but does not provide a definition of how this term is to be interpreted by agencies or applicants.

Thank you for the opportunity to testify on this matter.



**STATE OF HAWAII
DEPARTMENT OF HEALTH**

P. O. Box 3378
Honolulu, HI 96801-3378
doh.testimony@doh.hawaii.gov

**Testimony COMMENTING on SB 434
RELATING TO CLIMATE CHANGE**

SENATOR MIKE GABBARD, CHAIR
SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT
SENATOR LAURA H. THIELEN, CHAIR
SENATE COMMITTEE ON GOVERNMENT OPERATIONS
SENATOR CLARENCE K. NISHIHARA, CHAIR
SENATE COMMITTEE ON PUBLIC SAFETY, INTERGOVERNMENTAL AND
MILITARY AFFAIRS

Hearing Date: February 7, 2019

Room Number: 225

1 **Fiscal Implications:** State permitting agencies would require additional staff to review and
2 evaluate climate vulnerability assessments (CVA) and the time to process permit applications
3 would be lengthened. Permit applicants would incur additional costs to prepare and submit these
4 assessments.

5 **Department Testimony:** The bill requires the Department of Health (Department) to develop
6 rules for state agencies to require a CVA for all permit applications for any planned building,
7 transportation project, or land use change that may generate significant greenhouse gas (GHG)
8 emissions. The CVA is an analysis that includes a life cycle analysis of the net and gross GHG
9 emissions, the project's vulnerability to climate-related disasters, and possible mitigation and
10 alternatives.

11 While the Department supports the Paris Agreement and strengthening Hawaii's response
12 to the threat of climate change, we respectfully provide the following comments on this bill.

13 The requirement for the first element of the CVA, the life cycle analysis of GHG
14 emissions, may incur large costs to permit applicants, cause delays to a project, and require
15 added resources for permitting agencies. There is no clear indication of how a life cycle
16 analysis, which is supposed to demonstrate the carbon contribution of a process from cradle to

1 grave, is to be applied. In reviewing the topic, the Department could not find a generally
2 accepted model for life cycle analysis of projects. We did find that it adds costs to a project and
3 can be problematic in its application.

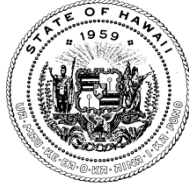
4 While a life cycle analysis of carbon emissions may contribute useful information, the
5 Department is not aware of established regulations or criteria that would utilize the results of this
6 analysis as a basis to approve or deny a permit application, or to require restrictions or
7 limitations on the construction or operation of a project. Existing rules require the department to
8 compare a proposed project to a set of limits or requirements that set an objective standard for
9 approving or denying the permit.

10 The regulatory permit may not be the most appropriate vehicle for a CVA because it is
11 often one of the final steps of any project approval process. If the intent is to use the elements of
12 the CVA as cause for denying a permit, the permit applicant may have obtained other approvals
13 and invested funds in the project by the time its permit is evaluated.

14 With regard to the other two components of the CVA, most permitting programs are not
15 the appropriate agency to determine a project's vulnerability to climate-related disasters or
16 evaluate mitigation strategies for global warming threats as they do not have the technical
17 expertise to make such assessments. Acceptable siting and project restrictions based on the
18 project's susceptibility to climate related disasters, such as sea-level rise or more frequent storm
19 surges, should be evaluated by the state or county agency responsible for regulating development
20 and managing resources at the very beginning of a proposed project, and not by each state office
21 that issues a permit.

22 **Offered Amendments:** None.

23 Thank you for the opportunity to testify on this measure.



TESTIMONY BY:

JADE T. BUTAY
DIRECTOR

Deputy Directors
LYNN A.S. ARAKI-REGAN
DEREK J. CHOW
ROSS M. HIGASHI
EDWIN H. SNIFFEN

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

February 7, 2019
2:55 pm
State Capitol, Room 225

S.B. 434
RELATING TO CLIMATE CHANGE

Senate Committee(s) on Agriculture and Environment, Government Operations
& Public Safety, Intergovernmental, and Military Affairs

The Department of Transportation (DOT) **opposes** this bill which proposes to require state agencies to require climate vulnerability assessments for all permit applications for projects that involve building, transportation, or land use changes that generate significant greenhouse gas emissions.

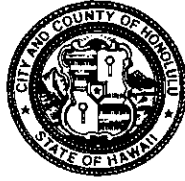
While the DOT supports the Paris Agreement and believes that Climate Change and associated effects such as Sea Level Rise are critical issues for our state, DOT finds that requiring a vulnerability assessment for **all** permit applications for projects that may generate "significant greenhouse gas emissions in the construction or operation of the project" to be overly broad and burdensome. It is unclear what expectation and/or authority permitting agencies have in reviewing, approving, and/or requiring any mitigation of such impacts. There is no clear methodology or standard identified to make the "significant greenhouse gas emissions" determination. Further, permitting agencies are unlikely to have the technical expertise to evaluate such assessments and determine the direct impact of such a proposal on climate vulnerability might be or what corrective actions such an applicant would have to undertake to address any such potential impacts.

Thank you for the opportunity to provide testimony.

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU

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HONOLULU, HAWAII 96813
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KIRK CALDWELL
MAYOR



ROBERT J. KRONING, P.E.
DIRECTOR

MARK YONAMINE, P.E.
DEPUTY DIRECTOR

February 6, 2019

The Honorable Mike Gabbard, Chair
The Honorable Russel E. Ruderman, Vice Chair
and Members of the Committee on Agriculture and Environment

The Honorable Laura H. Thielen, Chair
The Honorable Lorraine R. Inouye, Vice Chair
and Members of the Committee on Government Operations

The Honorable Clarence K. Nishihara, Chair
The Honorable Glenn Wakai, Vice Chair
and Members of the Committee on Public Safety, Intergovernmental,
and Military Affairs

The Senate
State Capitol, Room 225
415 South Beretania Street
Honolulu, Hawaii 96813

Dear Chairs Gabbard, Thielen, and Nishihara, Vice Chairs Ruderman, Inouye, and Wakai and Members:

SUBJECT: Senate Bill No. 434
Relating to Climate Change

The Department of Design and Construction (DDC) agrees that climate change poses serious threats to the State's economy, sustainability, security, and way of life, and that action needs to be taken now to address these threats. DDC is working cooperatively with the City's new Office of Climate Change, Sustainability, and Resiliency, which is preparing the City's climate adaption strategy and resiliency action plans. However, DDC respectfully **opposes** Senate Bill No. 434, the purpose of which is to "...require state agencies to conduct climate vulnerability assessments for projects involving building, transportation, or land use change."

The Honorable Mike Gabbard, Chair
and Members
The Honorable Laura H. Thielen, Chair
and Members
The Honorable Clarence K. Nishihara, Chair
and Members
February 6, 2019
Page 2

Section 1 of the bill indicates the following:

"'Climate vulnerability assessment' means a project analysis that includes a life cycle analysis of the project's gross and net carbon emissions, the vulnerability of the project to climate-related disasters, and possible mitigations and alternatives."

"Project" means any planned building, transportation, or land use change by any public or private entity that may generate significant greenhouse gas emissions in the construction or operation phase of the project.

Section 2 of the bill indicates that, "State agencies shall require a climate vulnerability assessment for all permit applications for projects filed after December 31, 2020."

The meaning of "significant greenhouse gas emissions" is undefined and would be critical for determining the potential effects of this bill on projects performed by DDC. State permits are needed for many of our projects, including small repair and reconstruction projects that would be unduly burdened with the proposed requirement to prepare a climate vulnerability assessment.

For new building projects, the City requires compliance with the Leadership in Energy and Environmental Design (LEED) Silver requirements, which is a much more practical method of addressing environmental impacts, such as carbon emissions (Revised Ordinances of the City and County of Honolulu 1990, Section 2-9.3). DDC is opposed to a new climate vulnerability assessment, which would overlap existing project analysis requirements and add both cost and time to capital improvement projects that are already burdened with a variety of costly and time-consuming regulatory requirements. The proposed new climate vulnerability assessment would exacerbate the existing hurdles experienced in providing capital improvements to public infrastructure without commensurate benefits.

For infrastructure projects not involving buildings, there are other existing systems in place that would be more efficient and practical to implement than creating a new project assessment system to address only life cycle carbon emissions and vulnerability to climate-related disasters. Examples include the Institute for Sustainable

The Honorable Mike Gabbard, Chair
and Members
The Honorable Laura H. Thielen, Chair
and Members
The Honorable Clarence K. Nishihara, Chair
and Members
February 6, 2019
Page 3

Infrastructure's Envision system, LEED for Neighborhood Development, LEED for Cities and Communities, etc.

Based on the above considerations, DDC respectfully **opposes** Senate Bill No. 434.

Thank you for the opportunity to express our opposition to this bill.

Very truly yours,



Robert J. Kroning, P.E.
Director

SB-434

Submitted on: 2/1/2019 6:43:28 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Karen Winslow	Testifying for Hawaii Farmers Union	Support	No

Comments:

SB-434

Submitted on: 2/3/2019 8:36:44 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Joseph Kohn MD	Testifying for We Are One, Inc. - www.WeAreOne.cc - WAO	Support	No

Comments:

Support with amendment: Require climate vulnerability assessments for permit applications for projects involving building, transportation, or land use change that may generate significant greenhouse gas emissions IMMEDIATELY.

www.WeAreOne.cc



**TESTIMONY TO THE SENATE COMMITTEES ON
AGRICULTURE AND ENVIRONMENT, GOVERNMENT OPERATIONS, AND PUBLIC SAFETY,
INTERGOVERNMENTAL, AND MILITARY AFFAIRS
State Capitol, Conference Room 225
415 South Beretania Street
2:55 PM**

February 7, 2019

RE: S.B. 434 - RELATING TO CLIMATE CHANGE

Chairs Gabbard, Thielen, and Nishihara, Vice Chairs Ruderman, Inouye, and Wakai & members of the committees:

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. Our members build the communities that people call home.

BIA-HAWAII is **opposed** to S.B. 434, which proposes to require the state department of health, to require climate vulnerability assessments for permit applications for projects involving building, transportation, or land use change that may generate significant greenhouse gas emissions.

The bill defines a "Project" as: "Any planned building, transportation, or land use change by any public or private entity that may generate significant greenhouse gas emissions in the construction or operation phase of the project."

There is no definition of what constitutes "generate significant greenhouse gas emissions in the construction or operation phase of the project."

Furthermore, any project that does generate significant greenhouse gas emissions in the construction or operation phase of the project will be required to prepare a "Climate Vulnerability Assessment" which is defined as "a project analysis that includes a life cycle analysis of the project's gross and net carbon emissions, the vulnerability of the project to climate-related disasters, and possible mitigations and alternatives". That would mean for a housing project or single house, information will be required regarding greenhouse gas emissions not only during construction, but while a family is living in the house (i.e. fuel for vehicles, electricity usage in the home, etc.).



We understand the need to address the impacts climate change will have on future projects in Hawaii; however, we believe that there should be more clarity on the quality of information required from a proposed project, as well as, the cost to obtain the required information.

As proposed, the bill would add substantial costs to our already high cost of new home construction in the State. For these reasons, we are opposed to S.B. 434, and appreciate the opportunity to express our views on this matter.

tel. 808-629-7501
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94-487 Akoki St., Ste 213
Waipahu, HI 96797

www.biahawaii.org
info@biahawaii.org



**Testimony to the Senate Committees on Agriculture and Environment,
Government Operations, and Public Safety, Intergovernmental,
and Military Affairs
Thursday, February 7, 2019 at 2:55 P.M.
Conference Room 225, State Capitol**

RE: SB 434 RELATING TO CLIMATE CHANGE

Chairs Gabbard, Thielen, and Nishihara, Vice Chairs Ruderman, Inouye, and Wakai & members of the committees:

The Chamber is opposed to SB 434 which proposes to require the state department of health, to require climate vulnerability assessments for permit applications for projects involving building, transportation, or land use change that may generate significant greenhouse gas emissions.

The Chamber is the largest business organization in Hawaii, representing more than 1,000 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 its members, which employ more than 200,000 individuals, to improve the state’s economic climate and to foster positive action on issues of common concern.

The bill defines a “Project” as: “Any planned building, transportation, or land use change by any public or private entity that may generate significant greenhouse gas emissions in the construction or operation phase of the project.”

There is no definition of what constitutes “generate significant greenhouse gas emissions in the construction or operation phase of the project.”

Furthermore, any project that does generate significant greenhouse gas emissions in the construction or operation phase of the project will be required to prepare a “Climate Vulnerability Assessment” which is defined as “A project analysis that includes a life cycle analysis of the project's gross and net carbon emissions, the vulnerability of the project to climate-related disasters, and possible mitigations and alternatives.” That would mean for a housing project or single house, information will be required greenhouse gas emissions not only during construction but while a family is living in the house (i.e. fuel for vehicles, electricity usage in the home, etc.).

We understand the need to address the impacts climate change will have on future projects in Hawaii; however, we believe that there should be more clarity on the quality of information required from a proposed project, as well as, the cost to obtain the required information.



Chamber *of* Commerce HAWAII

The Voice of Business

As proposed, the bill would add substantial costs to our already high cost of new home construction in the State. For these reasons, we are opposed to S.B. 434, and appreciate the opportunity to express our views on this matter.

SB-434

Submitted on: 2/6/2019 6:18:22 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Kimiko LaHaela Walter	Testifying for Hawai'i Reef and Ocean Coalition	Support	No

Comments:

SENATE JOINT COMMITTEE ON AGRICULTURE AND THE ENVIRONMENT,
GOVERNMENT OPERATIONS, AND PUBLIC SAFETY, INTERGOVERNMENTAL,
AND MILITARY AFFAIRS

February 7, 2019, 2:55 p.m., Room 225

In SUPPORT of SB 434: Relating to Climate Change

Aloha Chairs Gabbard, Thielen, and Nishihara, Vice Chairs Ruderman, Inouye, Wakai and members of the committees,

The HAWAI'I REEF AND OCEAN COALITION –HIROC– was formed in 2017 by coral reef scientists, educators, local Hawai'i environmental organizations, elected officials, and others to address a crisis facing Hawai'i's coral reefs and ocean, including those related to sea level rise. We support passage of SB434, Relating to Climate Change.

This bill helps promote the commitment of the state of Hawai'i, as set forth in Act 32 Session Laws 2017, to support the Paris Climate Agreement, which calls for ambitious efforts to combat climate change and adapt to its effects. It requires climate vulnerability assessments for permit applications for projects involving building, transportation, or land use change that may generate significant greenhouse gas emissions. These assessments include a project's gross and net carbon emissions, the vulnerability of the project to climate-related disasters, and possible mitigations and alternatives to be considered.

Mahalo for this opportunity to provide testimony in support of SB434.

Kimiko LaHaela Walter on behalf of the Hawai'i Reef and Ocean Coalition.



Environmental Caucus

The Democratic Party of Hawai'i

**SENATE JOINT COMMITTEE ON AGRICULTURE AND THE ENVIRONMENT,
GOVERNMENT OPERATIONS, AND PUBLIC SAFETY, INTERGOVERNMENTAL, AND
MILITARY AFFAIRS**

February 7, 2019 2:55 p.m. Room 225

In SUPPORT of SB 434: Relating to Climate Change

Aloha Chairs Gabbard, Thielen, and Nishihara, Vice Chairs Ruderman, Inouye, Wakai and Committee Members,

On behalf of the Environmental Caucus of the Democratic Party of Hawai'i (ECDPH), we **support passage of SB434**, relating to Climate Change.

Climate change and efforts to mitigate its effects is the single most pressing issue of our time. Any effort to 1) reduce the amount of carbon released into the atmosphere and 2) remove atmospheric carbon and sequester it back into the Earth is a crucial step in reaching Hawai'i's ambitious goal to be net zero by 2045.

This bill supports the commitment of the state of Hawai'i, as set forth in Act 32 Session Laws 2017, to support the Paris Climate Agreement. It requires climate vulnerability assessments for permit applications for projects involving building, transportation, or land use change that may generate significant greenhouse gas emissions. These assessments include a project's gross and net carbon emissions, the vulnerability of the project to climate-related disasters, and possible mitigations and alternatives to be considered.

Mahalo for this opportunity to provide testimony in **support of SB434**.

Lana Olson

Chair, Environmental Caucus of the Democratic Party of Hawai'i



**SENATE JOINT COMMITTEE ON AGRICULTURE AND THE ENVIRONMENT,
GOVERNMENT OPERATIONS, AND PUBLIC SAFETY, INTERGOVERNMENTAL, AND
MILITARY AFFAIRS**

February 7, 2019 2:55 p.m. Room 225

In SUPPORT of SB 434: Relating to Climate Change

Aloha Chairs Gabbard, Thielen, and Nishihara, Vice Chairs Ruderman, Inouye, Wakai and Committee Members,

On behalf of the Hawaii County Democratic Party (HCC), we **support passage of SB434**, relating to Climate Change

Climate change and efforts to mitigate its effects is the single most pressing issue of our time. Any effort to 1) reduce the amount of carbon released into the atmosphere and 2) remove atmospheric carbon and sequester it back into the Earth is a crucial step in reaching Hawai'i's ambitious goal to be net zero by 2045.

This bill supports the commitment of the state of Hawai'i, as set forth in Act 32 Session Laws 2017, to support the Paris Climate Agreement. It requires climate vulnerability assessments for permit applications for projects involving building, transportation, or land use change that may generate significant greenhouse gas emissions. These assessments include a project's gross and net carbon emissions, the vulnerability of the project to climate-related disasters, and possible mitigations and alternatives to be considered.

Mahalo for this opportunity to provide testimony in **support of SB434**.

Jeff McKnight

Chair, Legislation Committee Hawaii County Democrats

SB-434

Submitted on: 2/6/2019 2:53:16 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Melodie Aduja	Testifying for O`ahu County Committee on Legislative Priorities of the Democratic Party of Hawai`i	Support	No

Comments:



SIERRA CLUB OF HAWAI'I

MĀLAMA I KA HONUA. *Cherish the Earth.*

**SENATE JOINT COMMITTEE ON AGRICULTURE AND THE ENVIRONMENT,
GOVERNMENT OPERATIONS, AND PUBLIC SAFETY, INTERGOVERNMENTAL, AND
MILITARY AFFAIRS**

February 7, 2019 2:55 p.m. Room 225

In SUPPORT of SB 434: Relating to Climate Change

Aloha Co-Chairs Gabbard, Thielen, and Nishihara, Vice Co-Chairs Ruderman, Inouye, Wakai and members of the committees,

On behalf of our 20,000 members and supporters, the Sierra Club of Hawai'i supports passage of SB 434, Relating to Climate Change.

SB 434 requires state agencies to require climate vulnerability assessments for permit applications for projects involving building, transportation, or land use change that may generate significant greenhouse gas emissions. Such assessments include a project's gross and net carbon emissions, the vulnerability of the project to climate-related disasters, and possible mitigations and alternatives to be considered. This bill supports state of Hawaii efforts in support of the Paris Climate Agreement, calling for ambitious efforts to combat climate change and adapt to its effects.

Thank you very much for this opportunity to provide testimony in **support of SB 434.**

Mahalo,

Dave Raney
Senior Adviser, Sierra Club Marine Team

SB-434

Submitted on: 2/7/2019 10:03:22 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
John & Rita Shockley	Testifying for FREE ACCESS COALITION	Support	No

Comments:

Aloha!

Climate change cause by human activity is not "fake news." We need to plan ahead and require new activity that can cause damage to the environment to be implemented. If we're not pro-active, the results will be irreversable and devastating to our coastlines and air.

SB-434

Submitted on: 2/2/2019 5:48:48 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Caroline Kunitake	Individual	Support	No

Comments:

Please support SB434. We must do everything that we can to mitigate our emissions.

Mahalo,

Caroline Kunitake

SB-434

Submitted on: 2/2/2019 10:28:57 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Mio Chee	Individual	Support	No

Comments:

SB-434

Submitted on: 2/2/2019 2:57:00 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Louise Storm	Individual	Support	No

Comments:

Not only should they address whether their activity will result in the release of more greenhouse gases, they should also address whether or not the sea level rise and likelihood of more extreme weather and tide conditions will impact their structures and associated activities.

SB-434

Submitted on: 2/3/2019 6:36:33 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Noel Morin	Individual	Support	No

Comments:

Aloha,

Please support SB434. I believe that this will enable us to establish the proper due diligence that is required to avoid major unintended consequences that include contributing to climate degradation and barriers to our ability to curb emissions that are contributing to climate change.

This should lead to projects that not only support more visible business and personal needs but also mitigate the environmental insults that may not always be apparent to, or not be the concern to the project sponsors.

Please help us achieve our monumental task of making our future environment livable and enjoyable for our keiki and theirs. Help us be the inspiration for other states and nations.

Thank you for your consideration,

Noel Morin

SB-434

Submitted on: 2/3/2019 6:43:01 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
David Chee	Individual	Support	No

Comments:

SB-434

Submitted on: 2/3/2019 6:43:51 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Micah Chee	Individual	Support	No

Comments:

SB-434

Submitted on: 2/3/2019 10:06:35 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

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

Comments:

SB-434

Submitted on: 2/3/2019 12:29:12 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

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

Comments:

Aloha

All ways assess effects on climate for any projects likely to generate greenhouse gases!

SB-434

Submitted on: 2/3/2019 3:28:11 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
janice palma-glennie	Individual	Support	No

Comments:

aloha, please support this legislation to help protect our state from climate change vulnerability.

mahalo and sincerely,

janice palma-glennie

SB-434

Submitted on: 2/3/2019 7:52:26 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Carolynn Bell-Tuttle	Individual	Support	No

Comments:

SB-434

Submitted on: 2/3/2019 11:13:14 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Taurie Kinoshita	Individual	Support	No

Comments:

Please require climate vulnerability assessments for permit applications for projects that may generate significant greenhouse gas emissions, our future depends on a healthy environment... Thank you for your consideration.

SB-434

Submitted on: 2/4/2019 8:21:09 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

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

Comments:

We need to move away from the generation of greenhouse gases without delay and this bill will require review of projects to assess their impact in this area offering a mechanism to address impact and hopefully derail projects that contribute to such emissions. Please support.

Mahalo for your consideration.

SB-434

Submitted on: 2/4/2019 2:02:22 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Laura Gray	Individual	Support	No

Comments:

We need to get going with our commitment to slowing climate change/sea-level rise. Large developments and potentially polluting buissness need to demonstrate how they fit into our plan to be carbon neutral by 2045 or sooner if we are to survive.

SB-434

Submitted on: 2/4/2019 7:04:51 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Brian Santiago	Individual	Oppose	No

Comments:

Another big waste of money on climate change bullshit. No wonder everything costs so much in Hawaii.

SB-434

Submitted on: 2/5/2019 9:26:42 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Marjorie Ino	Individual	Support	No

Comments:

Support

SB-434

Submitted on: 2/5/2019 1:34:36 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
ChristopherMcCullough	Individual	Support	No

Comments:

SB-434

Submitted on: 2/5/2019 2:20:27 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Chezlani Casar	Individual	Support	No

Comments:

SB-434

Submitted on: 2/5/2019 3:35:14 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Pablo Beimler	Individual	Support	No

Comments:

SB-434

Submitted on: 2/5/2019 8:18:09 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Eric Micha'el Leventhal	Individual	Support	No

Comments:

SUPPORT - thank you!

SB-434

Submitted on: 2/6/2019 2:13:00 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Phaethon Keeney	Individual	Support	No

Comments:

Please support all climate change prevention and mitigation bills this session, we're counting on you folks, thanks!

SB-434

Submitted on: 2/6/2019 8:02:59 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
jennifer karaca	Individual	Support	No

Comments:

SB-434

Submitted on: 2/6/2019 8:14:24 PM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Nancy Davlantes	Individual	Support	No

Comments:

SB-434

Submitted on: 2/7/2019 9:15:17 AM

Testimony for AEN on 2/7/2019 2:55:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara Hershey	Individual	Support	No

Comments: