

SCR180/SR136

Measure Title: REQUESTING THE PRESIDENT OF THE SENATE TO ESTABLISH A WORKING GROUP TO DISCUSS STRATEGIES FOR THE DEVELOPMENT AND EXPANSION OF GEOTHERMAL ENERGY AND TECHNOLOGY.

Report Title: Geothermal Energy and Technology Working Group

Description:

Companion:

Package: None

Current Referral: WTL/ENE/PSM, WAM

Introducer(s): SOLOMON, Dela Cruz

<u>Sort by</u> <u>Date</u>		Status Text
3/13/2013	S	Offered.
3/19/2013	S	Referred to WTL/ENE/PSM, WAM.
3/25/2013	S	The committee(s) on WTL/ENE/PSM has scheduled a public hearing on 03-28-13 2:30PM in conference room 225.

NEIL ABERCROMBIE
GOVERNOR OF HAWAII



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

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

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

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

**Thursday, March 28, 2013
2:30 P.M.
State Capitol, Conference Room 225**

**In consideration of
SENATE CONCURRENT RESOLUTION 180/SENATE RESOLUTION 136
REQUESTING THE PRESIDENT OF THE SENATE TO ESTABLISH A WORKING
GROUP TO DISCUSS STRATEGIES FOR THE DEVELOPMENT AND EXPANSION
OF GEOTHERMAL ENERGY AND TECHNOLOGY**

Senate Concurrent Resolution 180/Senate Resolution 136 request the Senate President to establish a working group to discuss strategies for the development and expansion of geothermal energy and technology development on the island of Hawaii and the development of a geothermal energy and technology park. **The Department of Land and Natural Resources (Department) appreciates the intent of these resolutions to work toward reducing the State's dependence on imported oil and offers the following comments.**

The Department's role relating to geothermal resources is regulatory. The proper management of the resource will ensure the protection of the environment, public health and safety, and the long term sustainability for future generations.

Representation from the Department of Business, Economic Development and Tourism's Energy Office and the University of Hawaii Center for the Study of Active Volcanoes should be included as part of the working group. Part of the Energy Office's mission is to act as a catalyst for renewable energy resources and the University is gathering exploration data that could assist in this effort.

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

ESTHER KIA'AINA
FIRST DEPUTY

WILLIAM M. TAM
DEPUTY DIRECTOR - WATER

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

The Department defers to the High Technology Development Corporation (HTDC) regarding the appropriateness of its participation in the proposed working group, as the purpose of the HTDC is to facilitate the growth and development of the commercial high technology industries such as electronics, biotechnology, software, computers, telecommunications, and other computer-related technologies.

The potential for geothermal resource development exists beyond the Island of Hawaii. As such, the inclusion of working group members representing other counties should also be considered.

Thank you for the opportunity to comment on these measures.



Indigenous Consultants, LLC

Mililani B. Trask, Principal

P.O.Box 6377 ❖ Hilo, HI 96720

Mililani.trask@gmail.com



March 26, 2013

SCR 180 – SCR 131

Hearing Date: Thursday, March 28, 2013

Time: 2:30 pm

Room: CR 225

Committee: Energy



IDG | INNOVATIONS
DEVELOPMENT
GROUP

Testimony in Support with Amendments

Aloha Legislators,

The Indigenous Consultants (IC) is a Hawaii based, indigenous LLC owned and operated by Native Hawaiians. It was created to assist indigenous peoples in developing their renewable energy resources in ways that are: Culturally appropriate, environmentally green and sustainable, socially responsible and economically equitable and affordable. For several years the IC has worked with Innovations Development Group in New Zealand and indigenous Maori developing geothermal resources, which are trust assets of Maori Land Trusts. In addition, the IC has acted as a consultant to other indigenous people in Hawaii and Asia who are addressing development of their trust renewable energy resources in ways that; directly benefit their people, bring in revenues, create small business opportunities and ensure fair & affordable rates to consumers, including themselves and their communities.

The Innovations Development Group (IDG) is a Hawaii based renewable energy Development Corporation owned by Native Hawaiians. It was created to facilitate the development of renewable energy resources of native people, and in summer 2011 presented its development model to legislators of the Energy & Land Committees.

Innovations Development Group & Indigenous Consultants strongly support this measure, but recommend changes to strengthen and clarify the bill and to avoid duplication.

RECOMMENDED AMENDMENTS:

1. AMENDMENTS TO THE PREAMBULAR SECTIONS (Whereas Clauses).
 - A. IDG/IC recommend that a new preamble section be added to the Bill that acknowledges that Geothermal Resources are minerals under Hawaii law and assets of the Public Trust, and that the State has a Trust obligation to ensure

that these resources are developed in a manner that brings a primary benefit, to the State & its beneficiaries (the Public & Native Hawaiians).

2. AMENDMENTS TO THE COMPOSITION OF THE & MEMBER WORKING GROUP

Problem: The Bill currently gives the County Mayor the power to appoint 4 out of 7 members to the Working Group. They are 1) a representative of the Mayors office, 2) a native Hawaiian cultural expert, 3) a "private sector business member" and 4) a "Community member of the County". This politicizes the membership of the Working Group & favors the office of the Mayor rather than providing a balance & badly needed expertise to the Working Group.

RECOMMENDED CHANGES:

1. Section (5) should be deleted and instead the Bill should provide for inclusion of the Hawaii Island representative to the Aha Moku Council. The Aha Moku, under law, already is advising the DLNR. In addition, the Aha Moku members are cultural experts WITH KNOWLEDGE RELATING TO THE LAND & MARINE AREAS OF OUR STATE. These are the expertise we need on this Working Group. We should utilize the mechanisms & processes we have rather than duplicating cultural review with new people & processes.
2. Section (6) should be deleted and instead the Bill should provide for a representative of the Hawaii Island Labor Alliance, appointed by the Alliance. This is needed to ensure that there is some continuity between the first & second Working Groups. Labor was on the first Working Group & labor's input is needed to ensure that the development problems that occurred in the past are not repeated. 25 Years ago, promises were made by "Business" to provide jobs to the community, the promises were not fulfilled. If safe jobs for our islands laborers are going to be considered & addresses, Hawaii Island Labor groups need to be participating to ensure this priority is considered & addressed.
3. Section (7) should be deleted and instead the Bill should provide for a representative & scientist from the he UH Center for the Study of Active Volcanoes. Everyone on the Working Group comes from some segment of the Hawaii Island "Community". What is missing is the science component & representative. GEOTHERMAL DEVELOPMENT MUST BE SCIENCE BASED. We are very fortunate to have in Hawaii The Center for Active Volcanoes. For several years, the scientists with the Center have been testing the geo resources on Hawaii Island, they are independent of business & they have significant data that should be available to this Working Group. They have the expertise to advise the Working Group on SAFE & APPROPRIATE TECHNOLOGY and PROCEDURES for geothermal development on Hawaii Island. We need science on this Working Group.

PLEASE MAKE THESE CRITICAL CHANGES IN THE MEASURE. THE INNOVATIONS DEVELOPMENT GROUP AND INDIGENOUS CONSULTANTS SUPPORT THIS MEASURE & LOOK FORWARD TO WORKING WITH THEM TO MOVE HAWAII ISLAND FORWARD ON ENERGY SELF-SUFFICIENCY.

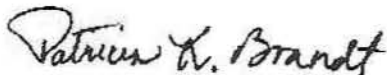
Please pass this badly needed measure with amendments.

Sincerely,



Mililani B. Trask – Indigenous Consultants LLC

Sincerely,



Patricia K. Brandt
CEO IDG Hawaii

The Pacific Resource
PARTNERSHIP



The Pacific Resource Partnership

Senate Committee on Water and Land
Senator Malama Solomon, Chair
Senator Maile S.L. Shimabukuro, Vice Chair

Senate Committee on Energy and Environment
Senator Mike Gabbard, Chair
Senator Russell E. Ruderman, Vice Chair

Senate Committee on Public Safety, Intergovernmental and Military Affairs
Senator Will Espero, Chair
Senator Rosalyn H. Baker, Vice Chair

SCR 180/SR 136 - Requesting the President of the Senate to Establish a Working Group to Discuss Strategies for the Development and Expansion of Geothermal Energy and Technology

Thursday, March 28, 2013
2:30 pm
Conference Room 225

Aloha Chairs Solomon, Gabbard and Espero, and Vice Chairs Shimabukuro, Ruderman and Baker, and members of the Committees:

The Pacific Resource Partnership (PRP) is a labor-management consortium representing over 240 signatory contractors and the Hawaii Regional Council of Carpenters.

PRP supports and requests an amendment to SCR 180/SR 136 Requesting the President of the Senate to Establish a Working Group to Discuss Strategies for the Development and Expansion of Geothermal Energy and Technology.

PRP believes that the State must explore and develop multiple sources of abundant renewable energy to keep Hawai'i on the path to achieving its clean energy goals by 2030. We believe that geothermal energy could have a major role to play in our State's quest for energy independence.

We request that the Committees consider amending these measures to include a representative from the labor community, specifically a representative of the Hawaii Construction Alliance (Alliance) or a member of one of the four basic crafts that make up this Alliance (Carpenters, Laborers, Operating

Engineers, Masons). Insight and input from the labor sector would bring a valuable perspective to the Working Group, as energy costs can greatly affect the affordability of construction and building in Hawaii. In addition, a Labor representative chaired the first Working Group and should be involved so there is continuity between the two efforts.

Thank you for the opportunity to present our views on these Resolutions.

Hawai'i Construction Alliance

P.O. Box 179441
Honolulu, HI 96817
(808) 348-8885

March 27, 2013

Senate Committee on Water and Land
Senator Malama Solomon, Chair
Senator Maile S.L. Shimabukuro, Vice Chair

Senate Committee on Energy and Environment
Senator Mike Gabbard, Chair
Senator Russell E. Ruderman, Vice Chair

Senate Committee on Public Safety, Intergovernmental and Military Affairs
Senator Will Espero, Chair
Senator Rosalyn H. Baker, Vice Chair

Testimony in **support** of SCR180/SR136, requesting the President of the Senate to establish a working group to discuss strategies for the development and expansion of geothermal energy and technology.

Dear Chairs Solomon, Gabbard and Espero, Vice Chairs Shimabukuro, Ruderman and Baker, and members of the Committees:

The Hawaii Construction Alliance supports SCR180/SR136, and requests an amendment to the composition of the proposed working group.

The Hawai'i Construction Alliance is comprised of the Hawai'i Regional Council of Carpenters; the Hawai'i Masons Union, Local 1 and Local 630; the Laborers' International Union of North America, Local 368; and the Operating Engineers, Local 3. Together, the four member unions of the Hawai'i Construction Alliance represent 15,000 working men and women in the four basic crafts of Hawai'i's construction industry.

We support the responsible development and expansion of geothermal energy in the State of Hawai'i. We believe that the creation of a working group to examine, discuss, and propose strategies for the development of geothermal energy and technology is an important step toward achieving a clean energy future for Hawai'i.

We would also request that the committees consider amending SCR180/SR136 to include a member from the labor community – particularly from the construction sector – as part of the working group. Construction is an energy-intensive activity, and the industry as a whole is sensitive to the high cost of energy. We believe the inclusion of a member from this important sector of the economy would add valuable insight to the working group.

Mahalo for the opportunity to provide this testimony in support of SCR180/SR136.

Aloha,



Tyler Dos Santos-Tam
Executive Director
Hawai'i Construction Alliance
execdir@hawaiiconstructionalliance.org

WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM

RE: SCR180/SR 136 REQUESTING THE PRESIDENT OF THE SENATE TO ESTABLISH A WORKING GROUP TO DISCUSS STRATEGIES FOR THE DEVELOPMENT AND EXPANSION OF GEOTHERMAL ENERGY AND TECHNOLOGY.

Position. Opposed

Nelson Ho, Senate President Appointed Member to the Legislature's Geothermal Energy Working Group mandated by Senate Concurrent Resolution 99-2010.

Representing: Sierra Club.

Aloha Legislative Committee Members. My name is Nelson Ho. I have been directly involved with Hawaii's stumbling attempts to develop alternative energy resources including geothermal energy since 1982.

I am the Sierra Club member appointed by the Senate President in 2010 to the Legislature's Geothermal Energy Working Group mandated by Senate Concurrent Resolution 99-2010, authored by Senator Russell Kokubun.

It has been often repeated that one definition of insanity is to keep doing the same thing, repeatedly, and expecting different results. Passage of SCR 180/SR 136 will produce NO DIFFERENT RESULTS from the passage of SCR 99-2010. It will further have the unintended consequence of focusing and hardening community opposition to any further geothermal development.

The proposed 2013 Working Group will produce no better strategies for the development and expansion of geothermal energy and technology in Hawaii than did my Geothermal Working Group, which submitted its Final Report to the 2012 session of the Legislature. Did any of you read it and understand what was stated?

What has happened since the report was submitted to the Legislature?

- Residents continue to want to be removed from the vicinity of Puna

Geothermal Venture's 30 MW facility. So many want out that the County is running out of funds to relocate additional residents.

- PGV was recently kicked off line by an unknown fault in the HELCO grid, causing alarm in hundreds of residents and exposing the fact that the Police, Fire, Civil Defense and state agencies are still not able to accurately assess the H₂S exposure and reassure the impacted people.
- The affected residents, Hawaii County Council, and Mayor Keno's administration asked for changes in geothermal regulation that FAILED to gain passage this 2013 session.

The answers to the dilemma of how to proceed with more geothermal energy is buried in the rubble of past state energy regulatory policies and governmental agency actions. The answer is in the submitted geothermal testimonies of Mayor Harry Kim and the affected residents this session. The answer is to listen to and work with the impacted communities, not treat them as obstacles to be feared, isolated from decision making, and marginalized.

For further background on me, in 1987, Governor John Waihee appointed me to his State Energy Advisory Committee. I also served on the Hawai'i Electric Light Company's (HELCO) Integrated Resource Planning Advisory Committee in 1994 and 1995. I am also the Chair of the Executive Committee of the Hawaii Island Group of the Sierra Club.

HARRY KIM
471 HO'OKINA PLACE
HILO, HAWAII 96720

March 27, 2013

Senator Malama Solomon, Chair and Members of the Committee on Water and Land
Senator Mike Gabbard, Chair, and Members of the Committee on Energy and Environment
Senator Will Espero, Chair and Members of the Committee on Public Safety, Intergovernmental
and Military Affairs

The Senate
State Capitol
Honolulu, Hawaii

Regarding: SCR 180 / SR 136

Position: Opposed

Dear Chairs Solomon, Gabbard, Espero, and Committee Members:

This testimony is submitted in strong opposition to Senate Concurrent Resolution 180 and Senate Resolution 136, which propose the establishment of a working group to "discuss strategies for the development and expansion of geothermal energy and technology."

There are several reasons for concern.

First, it is questioned why only the island of Hawaii is identified as involved in this proposed working group. Since geothermal resources are also being investigated on Oahu and Maui, it would seem reasonable and prudent to include other islands.

Second, statements made in the resolution.

"Whereas, geothermal energy in Hawaii has proven to be a reliable, inexhaustible energy source that is nearly emission free."

- **Reliable:** The June 28, 2012 Volcano Watch column written by staff of the Hawaiian Volcano Observatory (HVO, part of the USGS) discusses the risk to geothermal operations posed by volcanic eruptions. It assumes that geothermal development is most likely to occur on Kilauea, where HGP-A pilot project and PGV's current plant are located. In a 1994 USGS publication, HVO scientists estimated that the possibility of an eruption in the areas of Kilauea's geothermal resource or the likely cable pathway that could transmit electricity to Honolulu as between 60 and 90 percent within any 50-year period. "The effect of an eruption within a geothermal power development could be severe, and the site could be deeply buried by lava." The power generated by geothermal would be lost for weeks, months, or even years. Eruptions in lower Puna in 1840, 1955, and 1960 continued for weeks to months. The 1983 upper rift eruption which is still

continuing, buried Kalapana along with thousands of acres of land in the lower Puna area. Power generation and transmission would not be able to resume until after the eruption ends, and the facilities can be reestablished. This is even assuming enough lead time before any eruption for power generation equipment to be moved off site and "saved for future use." Given these facts, past reliability of geothermal electricity generation should not be assumed to guarantee future reliability. This is especially so if large power plants were developed and energy shipped off island, which could lead to severe statewide impact as well as disruption to Hawaii Island's power production in the case of a volcanic eruption. *And this does not address the great hazard and risk of earthquakes, as it is known this is one of the most seismically active areas on the island.*

- **Inexhaustible energy source:** While Kilauea's resource is large, it is not inexhaustible. It is estimated by HVO that "...the potential of the Kilauea resource, excluding areas within national parks and state reserves, could be between 250 and 600 MW." That is for the entire available area of Kilauea. While large, it is not unlimited in size or inexhaustible. It has also been stated that the heat source is not sustainable.
- **Nearly emission-free:** This is such a disputable statement, and it is not understood what is meant by it. Records kept by the Department of Health and PGV will indicate dozens of emissions incidents, many of which caused great discomfort to nearby residents. The most recent of these incidents occurred this month, and Hawaii County Civil Defense reports H2S levels of 1 to 3 parts per million were recorded in residential areas.

"Whereas, the State needs a sound, comprehensive strategy to ensure that geothermal energy is developed in an economically feasible manner that still protects public health, the environment, and cultural rights."

The makeup of the group should ensure that it is able to address this stated goal of protecting "public health, the environment, and cultural rights." The resolutions do not contain individuals who will be able to address this. For the proposed working group, membership should include:

- Residents of communities most affected by proposed development, and members should be selected by the communities.
- Representatives of emergency response agencies such as Civil Defense, Police, Fire Department, and the Department of Health.
- Expertise on public health related geothermal development.
- Experts on the environmental impact of geothermal activities; environment in its broadest sense, including air, water, and subsurface impact.

For these reasons, I ask that SCR 180 and SR 136 be deferred.

Aloha,

Harry Kim
933-9208

Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 26, 2013 8:25 AM
To: WTLTestimony
Cc: rfreitasjr@hotmail.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013
 Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Robert Freitas Jr.	Individual	Support	No

Comments: I support this bill!!!

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.

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- * [REDACTED]
- * [REDACTED]
- * [REDACTED]
- * [REDACTED]
- * [REDACTED]
- * [REDACTED]
- * [REDACTED]
- * [REDACTED]

Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 26, 2013 8:59 AM
To: WTLTestimony
Cc: hunbet@yahoo.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Larry Obermann	Individual	Support	No

Comments: This is a good first step in the right direction. Geothermal holds the promise of freeing us from our dependence on oil.

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 27, 2013 2:18 PM
To: WTLTestimony
Cc: tracy@permaculture-hawaii.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/27/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Tracy Matfin	La'akea Permaculture Education Programs	Oppose	No

Comments: I strongly Oppose this bill, and any more geothermal in my area. Tracy Matfin

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 27, 2013 2:17 PM
To: WTLTestimony
Cc: aloha@gaiayoga.org
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/27/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Courtney Matson	GaiaYoga Gardens	Oppose	No

Comments: RE: SR136 Position: Strong opposition thank you Courtney Matson

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 27, 2013 2:15 PM
To: WTLTestimony
Cc: mayadolena@gmail.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/27/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Maya Dolena	Individual	Oppose	No

Comments: RE: SR136 Position: Strong opposition Name: Aloha Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members I oppose SR136 The PGV plant just had another in a long list of incidents and vented to the community. I live in Puna where the current PGV plant is located. This power plant has created huge problems for the people who have to live with it. These problems need to be fixed before more problem plants are built. There is huge community opposition to geothermal in Puna because the plant is poorly regulated. Maya Dolena

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 27, 2013 2:14 PM
To: WTLTestimony
Cc: sustainablesolutions.hi@gmail.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/27/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Keri Dickie-Clark	Individual	Oppose	No

Comments: RE: SR136 Position: Strong opposition Name: Aloha Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members I oppose SR136 The PGV plant just had another in a long list of incidents and vented to the community. I live in Puna where the current PGV plant is located. This power plant has created huge problems for the people who have to live with it. These problems need to be fixed before more problem plants are built. There is huge community opposition to geothermal in Puna because the plant is poorly regulated. Keri Dickie-Clark

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 27, 2013 2:12 PM
To: WTLTestimony
Cc: monkeypodorganics@yahoo.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/27/2013
Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Richard Denholm	Individual	Oppose	No

Comments: WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM RE: SR136 Position: Strong opposition
Richard Denholm

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 27, 2013 2:10 PM
To: WLTTestimony
Cc: fredkoto1@yahoo.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/27/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Frederic Kotowitz	Individual	Oppose	No

Comments: WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM RE: SR136 Position: Strong opposition
Frederic Kotowitz

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 27, 2013 2:09 PM
To: WTLTestimony
Cc: prasadhamakua@gmail.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/27/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
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Ray Dittman	Individual	Oppose	No
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Comments: Strong opposition The PGV plant just had another in a long list of incidents and vented to the community. Many people live in Puna where the current PGV plant is located. This power plant has created huge problems for the people who have to live with it. These problems need to be fixed before more problem plants are built. There is huge community opposition to geothermal in Puna because the plant is poorly regulated. thank you Ray Dittman

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.

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 27, 2013 1:43 PM
To: WTLTestimony
Cc: katarina.culina@yahoo.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/27/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Katarina Culina	Individual	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.

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Piikea Tomczyk

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Sent: Wednesday, March 27, 2013 10:41 AM
To: WTLTestimony
Cc: wade.aaron@gmail.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/27/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Aaron Wade	Individual	Oppose	No

Comments: Statements in this resolution suggesting that geothermal energy is "nearly emissions free", is absolutely false propaganda by the pro-geothermal lobby. For those interested in truth and civic responsibility, such falsehoods are easily dispelled by the March 13, 2013 venting at PGV during which Civil Defense recorded 3000 ppb hydrogen sulfide. This is the most recent of saround 50 atmospheric releases over the last 20 years. Hawaii's geology is uniquely volatile and cannot be compare to other geothermal sources. "Emissions free" is an advertising campaign, nothing more. To allow state government to adopt such language amounts to an aggressive denial of Hawaii residents of their right to protect themselves from known health risks. Your recent agenda of fast tracking pro-geothermal legislation is bordering on civil rights abuse.

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 27, 2013 10:01 AM
To: WTLTestimony
Cc: sd3@hawaii.rr.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/27/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Susan Douglas	Individual	Oppose	No

Comments: I strongly oppose: 1) The PGV plant in Puna just had another in a long list of incidents and vented to the community. This power plant has created huge problems for the people who have to live with it. These problems need to be fixed before more problem plants are built. 2) There is huge community opposition to geothermal in Puna because the plant is poorly regulated. Don't let this happen on Maui. Mahalo!

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 26, 2013 7:27 PM
To: WTLTestimony
Cc: alohalways@gmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Tanja Miller	Individual	Oppose	No

Comments:

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To: WTLTestimony
Cc: davidsher@juno.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By Organization Testifier Position Present at Hearing

Sherry Pollack	Individual	Oppose	No
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Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 26, 2013 10:00 AM
To: WTLTestimony
Cc: claudiarice25@gmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
claudia rice	Individual	Oppose	No

Comments:

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To: WTLTestimony
Cc: inunybus@gmail.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Elaine D.	Individual	Oppose	No

Comments: This is wrong and again an abuse of the public trust. You do not use public trust money to further the advancement of private corporations. You can disguise it as 'energy, public good' but it will all come out as an abuse in court. By my submission of this statement/testimony, please keep in mind that these testimonies may be retrieved for future court actions and you will not be able to say you were not aware of the possibility.

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 26, 2013 9:05 AM
To: WTLTestimony
Cc: christidemuth@yahoo.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Christi Demuth	Individual	Oppose	No

Comments: This is the wrong direction to be going in. Wind and solar are the keys to Hawaii being sustainable and pono.

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Piikea Tomczyk

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Sent: Tuesday, March 26, 2013 9:03 AM
To: WTLTestimony
Cc: doran_vaughan@yahoo.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Doran Vaughan	Individual	Oppose	No

Comments: I strongly oppose SR136. The PGV plant just had another in a long list of incidents and vented to the community. I live in Puna where the current PGV plant is located. This power plant has created huge problems for the people who have to live with it. These problems need to be fixed before more problem plants are built. There is huge community opposition to geothermal in Puna because the plant is poorly regulated.

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 26, 2013 8:45 AM
To: WTLTestimony
Cc: paul@punapono.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Paul Kuykendall	Individual	Oppose	No

Comments: I am writing to express my strong opposition to SR 136. We don't need another study group written by pro-geothermal development supporters as a cover for the State of Hawaii to degrade the Aina and safety of the citizens of Hawaii for commercial interests. As a citizen of the Big Island who lives within one mile of the Puna Geothermal Plant, I have witnessed the results of poor regulation and oversight by the State of Hawaii over geothermal development. Just last week we had another release of geothermal steam from PGV. This is one of over 50 incidents of the plant since it's inception. They "mitigated" the steam with caustic soda and still released some unknown quantity of hydrogen sulfide and contaminants such as mercury, arsenic and lead into the air and onto the vegetables, fruits and catchment tanks of those that live near the plant. The incident showed once again that there is no effective notification or evacuation plan for residents. No calls or text messages were received by civil defense. We received only an email well after the incident occurred. We in Puna have experienced the results of Hawaii's push for geothermal development. We do not need a study group that is pre-ordained to determine we need more development without regulation. We will be paying close attention to those who support this resolution. We respectfully request that you oppose this resolution and support the will of the people so that we can support you in the next election.

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 26, 2013 8:44 AM
To: WTLTestimony
Cc: laurenelaine721@yahoo.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Lauren Ampolos	Individual	Oppose	No

Comments:

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 26, 2013 8:42 AM
To: WTLTestimony
Cc: suzanne@punapono.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Suzanne Wakelin, Ph.D.	Individual	Oppose	No

Comments: This testimony is in **STRONG OPPOSITION** to SR136 SR136 is an opportunistic move from special interest groups to push more geothermal development. There are other, far better ways to get off of oil. I live in Puna near to Puna Geothermal Venture. There are numerous problems associated with this plant and they need to be resolved before more plants are built. Noise and emissions of hydrogen sulfide and heavy metals are some of the problems people deal with nearby to geothermal activities in Hawaii. The regulatory system is ineffective. We cannot allow individuals with special business interests and their favorite politicians to push for geothermal industrialization and all the associated problems at the expense of the environment and residents of Hawaii. Mahalo.

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 26, 2013 8:34 AM
To: WTLTestimony
Cc: rfreitasjr@hotmail.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Robert Freitas Jr.	Individual	Oppose	No

Comments: My computer is not working properly and indicated on an earlier testimony that I supported this bill. I OPPOSE THIS BILL AND I WANT IT TO BE NOTED AS SUCH!!!

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To: WTLTestimony
Cc: katiehorgan@me.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Kathleen Horgan	Individual	Oppose	No

Comments:

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Piikea Tomczyk

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Sent: Tuesday, March 26, 2013 8:10 AM
To: WTLTestimony
Cc: haha@hawaii.rr.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013
Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
C. Kong	Individual	Oppose	No

Comments: Listen to the people. Please.

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Sent: Tuesday, March 26, 2013 7:51 AM
To: WTLTestimony
Cc: davinci5@mac.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
SCOTT STODDARD	Individual	Oppose	No

Comments:

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Sent: Tuesday, March 26, 2013 6:44 AM
To: WTLTestimony
Cc: 4wdtiki@gmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Bill Collins	Individual	Oppose	No

Comments:

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Sent: Tuesday, March 26, 2013 6:36 AM
To: WTLTestimony
Cc: hourandahalf@icloud.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Rosemarie Patronette	Individual	Oppose	No

Comments:

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Sent: Tuesday, March 26, 2013 6:36 AM
To: WTLTestimony
Cc: hourandahalf@icloud.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Rosemarie Patronette	Individual	Oppose	No

Comments:

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 26, 2013 6:05 AM
To: WTLTestimony
Cc: Akamaimom@gmail.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Felicia Cowden	Individual	Oppose	No

Comments: Malama Solomon and Donovan DeLaCruz are demonstrating that they are just about straight-up evil. There is no respect for the citizen or the well-being of anyone other than the corporations who feed at the public trough. It is a disgrace that ACT 97 has been upheld at the peril of the environment. Disheartening and disgusting are not strong enough words to describe the actions of the legislature when we are able to see the movement of such bills moving through state congress.

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Sent: Tuesday, March 26, 2013 3:52 AM
To: WTLTestimony
Cc: ttravis12@mac.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Thomas Travis	Individual	Oppose	No

Comments: This resolution exacerbates the serious and increasing breach of trust that exists between the State Government and the people of Puna, the site of the proposed industrial site. It is not time to streamline further expansion of geothermal and industrial activity in the County of Hawaii, but to instead study how to stop geothermal accidental releases of H2S and heavy metals, how to develop adequate motoring so that health effects can be determined, how to set up an effective regulatory scheme for geothermal production, and how to ensure a community voice in geothermal plant placement. I oppose this resolution until it addresses the above.

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Sent: Tuesday, March 26, 2013 12:53 AM
To: WTLTestimony
Cc: shannonkona@gmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/26/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Shannon Rudolph	Individual	Oppose	No

Comments:

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To: WTLTestimony
Cc: tr_qn@yahoo.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Tram Quen	Individual	Oppose	No

Comments:

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To: WTLTestimony
Cc: tammui@sbcglobal.net
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Tam Mui	Individual	Oppose	No

Comments:

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Sent: Monday, March 25, 2013 10:31 PM
To: WTLTestimony
Cc: taterocks@socket.net
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Tatiana Rocks	Individual	Oppose	No

Comments:

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To: WTLTestimony
Cc: ti_health@hotmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Tia Kent	Individual	Oppose	No

Comments:

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Sent: Monday, March 25, 2013 10:30 PM
To: WTLTestimony
Cc: tjsimms2000@hotmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013
Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
tj simms	Individual	Oppose	No

Comments:

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Sent: Monday, March 25, 2013 10:30 PM
To: WTLTestimony
Cc: pualehuafarm@hotmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Pua Kamaoa	Individual	Oppose	No

Comments:

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Sent: Monday, March 25, 2013 10:29 PM
To: WTLTestimony
Cc: mondiaux@msn.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Mondiau Simmons	Individual	Oppose	No

Comments:

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Piikea Tomczyk

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Sent: Monday, March 25, 2013 10:29 PM
To: WTLTestimony
Cc: missivonkouma1@live.fr
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
missy kouma	Individual	Oppose	No

Comments:

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 25, 2013 10:29 PM
To: WTLTestimony
Cc: michaelhawthorne1@me.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
michael hawthorne	Individual	Oppose	No

Comments:

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 25, 2013 10:28 PM
To: WTLTestimony
Cc: 09jjuju@hotmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013
Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Julian Jiman	Individual	Oppose	No

Comments:

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 25, 2013 10:03 PM
To: WLTTestimony
Cc: uhanepono@yahoo.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
caroline avery	Individual	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.

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 25, 2013 10:02 PM
To: WTLTestimony
Cc: foodsovereignty@gmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013
Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Mitsuko Hayakawa	Individual	Oppose	No

Comments:

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 25, 2013 9:19 PM
To: WTLTestimony
Cc: grumpyscosmos@gmail.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
steve scott	Individual	Oppose	No

Comments: not good stewardship

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 25, 2013 9:14 PM
To: WTLTestimony
Cc: Kumukahi77@gmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013
Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Dea Rackley	Individual	Oppose	No

Comments:

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 25, 2013 8:42 PM
To: WTLTestimony
Cc: ponosize@hotmail.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Pono Kealoha	Individual	Oppose	No

Comments:

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 25, 2013 8:41 PM
To: WTLTestimony
Cc: dcwww@yahoo.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/25/2013
Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Donna Worden	Individual	Oppose	No

Comments: Where is the committee to explore feasibility of expanding solar and wind generation of electricity? Why do more of what is making life miserable for people in Puna, near the existing geothermal drilling? We have SO MUCH sun and wind here. (Well, we would have more sun if there weren't so many chemicals in the air. Why not have a committee to see about clearing the air?)

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.

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 25, 2013 8:02 PM
To: WLTTestimony
Cc: jemray@hawaii.rr.com
Subject: Submitted testimony for SR136 on Mar 28, 2013 14:30PM

SR136

Submitted on: 3/25/2013
Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Janet Murray	Individual	Oppose	No

Comments: Oppose SR136

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.

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Piikea Tomczyk

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 25, 2013 7:46 PM
To: WTLTestimony
Cc: sherrianwitt@aol.com
Subject: *Submitted testimony for SR136 on Mar 28, 2013 14:30PM*

SR136

Submitted on: 3/25/2013

Testimony for WTL/ENE/PSM on Mar 28, 2013 14:30PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
sherrian witt	Individual	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.

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OPPOSE SR136

**Geothermal
Energy and
Technology
Working Group**

submit testimony by

Wed 3/27 2:30 p

<http://www.capitol.hawaii.gov>

Lorn Douglas

RR2 4544
12-7045 Kekainehe St.
Pahoa, Hawaii 96778
(808) 965-8421
lornd@yahoo.com

All Hawaii Representatives

Re: In Opposition of SR 136

Aloha,

As an engineer I appreciate the potential of safe geothermal energy as a renewable resource. However this is NOT what has been implemented and a smoke screen has been attempted to make it appear safe and economical. As recently as last month there was a leak and as the air was fouled with the smell of rotten eggs the safety officer was walking around with an apparent faulty meter trying to convince people that there was no problem. Its obvious to our community that this industry cannot be self regulating. Also if this is abundant and 'free' energy why are our power bills even higher than the other islands?

I urge you to oppose this legislation until the priority is safety and sustainability.

Mahalo for your consideration,



Lorn Douglas

Good day,

I'm writing regarding the hearing for the proposed bill, SR 136, which is meant to create a working group to discuss strategies for the development and expansion of geothermal technology. I strongly oppose the creation of such a working group and I strongly oppose the creation of geothermal expansion in any residential areas of this state.

Despite the good intentions of the words of this bill, I firmly believe that moves are being created to focus on rapid expansion of geothermal technology in Hawaii, the county of Hawaii, and that any concern for human health will be disregarded in the hopes of generating revenue.

So far, the government has shown that they support big business and not the people. Already the county of Hawaii has experienced massive health issues relating to blow outs and hydrogen sulfide emissions from the PGV plant located in Puna. Contrary to what is being reported, geothermal has NOT shown to be emission free in Puna and instead, has already created a very unhealthy environment in this residential area.

Geothermal is a technology that potentially could be utilized in a safe manner, but so far, in this state, this remains to be seen.

Until massive and exploratory steps are taken to acknowledge the dangers and harms that will be inflicted upon people's lives with geothermal expansion and until expansion starts to be talked about occurring in non-residential areas, I will be opposed to all geothermal expansion in this state.

Please oppose SR 136.

Thank you,

Tamara C. Dorman

WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM

RE: SR136

Position: Strong opposition

Gregory Paul

Aloha

Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members

Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members

Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members

I oppose the formation of a working group to study more geothermal development especially if there isn't an equally influential group that is studying the negative impacts. Hawaii has no business creating more geothermal plants until it can be proven safe and PGV is not safe.

Thank you for considering my view.

Sincerely
Gregory Paul

Piikea Tomczyk

From: Suzanne Wakelin [malamatree@gmail.com]
Sent: Tuesday, March 26, 2013 8:41 AM
To: ENETestimony; WTLTestimony; PSMTTestimony
Subject: Testimony SR136

Aloha,

Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members

Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members

Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members

This testimony is in **STRONG OPPOSITION** to SR136

SR136 is an opportunistic move from special interest groups to push more geothermal development. There are other, far better ways to get off of oil.

I live in Puna near to Puna Geothermal Venture. There are numerous problems associated with this plant and they need to be resolved before more plants are built. Noise and emissions of hydrogen sulfide and heavy metals are some of the problems people deal with nearby to geothermal activities in Hawaii. The regulatory system is ineffective. We cannot allow individuals with special business interests and their favorite politicians to push for geothermal industrialization and all the associated problems at the expense of the environment and residents of Hawaii.

Mahalo,
Suzanne Wakelin, Ph.D.

Piikea Tomczyk

From: Paul Kuykendall [bigislandpaul@gmail.com]
Sent: Tuesday, March 26, 2013 8:45 AM
To: ENETestimony; WTLTestimony; PSMTTestimony
Subject: Strong Opposition to SR 136

WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM

RE: SR136

Position: Strong opposition

Name: Paul Kuykendall

Aloha,

Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members

Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members

Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members

I am writing to express my strong opposition to SR 136.

We don't need another study group written by pro-geothermal development supporters as a cover for the State of Hawaii to degrade the Aina and safety of the citizens of Hawaii for commercial interests.

As a citizen of the Big Island who lives within one mile of the Puna Geothermal Plant, I have witnessed the results of poor regulation and oversight by the State of Hawaii over geothermal development. Just last week we had another release of geothermal steam from PGV. This is one of over 50 incidents of the plant since it's inception. They "mitigated" the steam with caustic soda and still released some unknown quantity of hydrogen sulfide and contaminants such as mercury, arsenic and lead into the air and onto the vegetables, fruits and catchment tanks of those that live near the plant. The incident showed once again that there is no effective notification or evacuation plan for residents. No calls or text messages were received by civil defense. We received only an email well after the incident occurred. We in Puna have experienced the results of Hawaii's push for geothermal development. We do not need a study group that is pre-ordained to determine we need more development without regulation.

We will be paying close attention to those who support this resolution. We respectfully request that you oppose this resolution and support the will of the people so that we can support you in the next election.

Sincerely,

Paul Kuykendall
Pahoa, Hawaii

Piikea Tomczyk

From: caridder2@netzero.net
Sent: Tuesday, March 26, 2013 8:38 AM
To: ENETestimony; WTLTestimony; PSMTTestimony
Subject: Oppose SR 136

WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM

RE: SR136

OPPOSE SR136

Measure Title: REQUESTING THE PRESIDENT OF THE SENATE TO ESTABLISH A WORKING GROUP TO DISCUSS STRATEGIES FOR THE DEVELOPMENT AND EXPANSION OF GEOTHERMAL ENERGY AND TECHNOLOGY.

Report Title: Geothermal Energy and Technology Working Group Current Referral: WTL/ENE/PSM, WAM

Introducer(s): SOLOMON, Dela Cruz

WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM

RE: SR136

Aloha

Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members

Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members

Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members

I oppose SR136.

The PGV plant just had another in a long list of incidents and vented to the community. I live in Puna where the current PGV plant is located. This power plant has created huge problems for the people who have to live with it. These problems need to be fixed before more problem plants are built.

There is huge community opposition to geothermal in Puna because the plant is poorly regulated.

Thank you for your consideration in this important matter.

Catherine Ridder, M.Div. MFT Owner Hokulea Retreat 13-382 Pohoiki rd Pahoa HI 96778

Piikea Tomczyk

From: Nicki Conti [nickiconti@gmail.com]
Sent: Tuesday, March 26, 2013 9:05 AM
To: WTLTestimony
Subject: Sr136

RE: SR136

Position: Strong opposition

Name: Nicki Conti, Sevyn Galambos

Aloha

Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members

Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members

Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members

We are writing in opposition Tom SR136 We live in Puna within 1 mile of the current PGV . We have real experience of the problems this plant has created for the people who have to live with it. These problems need to be fixed before more plants are built. There is huge community opposition to geothermal in puna and it is growing everyday especially as mistakes and events continue to happen like the one that occurred on 3/13/13. Thank you for your time
Nicki Conti and Sevyn Galambos

Pohoiki rd Pahoia hi

Sent from my iPad

Piikea Tomczyk

From: Sophia Bicoy [sophiabicoy@earthlink.net]
Sent: Tuesday, March 26, 2013 9:55 AM
To: WTLTestimony
Subject: HI

OPPOSE 136

Piikea Tomczyk

From: Steven Jacquier [stevenjacquier@gmail.com]
Sent: Tuesday, March 26, 2013 10:25 AM
To: ENETestimony; WTLTestimony; PSMTTestimony
Subject: WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM, RE: SR136, Position: Strong opposition

WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM

RE: SR136

Position: Strong opposition

Name: Steven Jacquier, individual

Aloha

Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members

Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members

Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members

Please oppose SR136, as do the vast majority of people you represent. The PGV plant just had another in a long list of incidents and vented to the community. I live in Puna where the current PGV plant is located. This power plant has created huge problems for the people who live here. There is huge community opposition to geothermal in Puna because the plant is poorly regulated and fraud is obvious when PVG reports one set of numbers from a venting incident but Civil Defense reports a very different, higher, set of readings. More economical and safer alternatives are available than the losing bet and hazardous risk epitomized by PVG.

The proposed drilling has serious potential to injure Hawaii's environment and tourist industry. It has already injured my property values and the property values of my neighbors. If drilling occurs then when a large problem arises Puna lacks the infrastructure to respond. Who foots the bill when health and property are harmed? Who pays for cleaning up the toxic mess and debt remaining long after the shell company goes bankrupt? Scientists from the USGS recommend against this, as do medical researchers. Hydraulic fracturing has been linked to seismic activity, Hawaii is already prone to seismic activity, and there is a potential to pollute the ground water as well as risk of toxic gas venting. There are two babies next door and several children under four years old along our lane who will be exposed when venting occurs. Their parents cannot afford to move elsewhere and are very worried. My guess is for every one person who write to you there are at least a dozen (frankly) less literate & economically secure citizens, unsophisticated in how testimony may be

sent and unequipped to do so, who are very upset about this. These are people you are representing. I know some of them are registered to vote and do vote because I registered them and drive them to the polls. Please oppose drilling; better alternatives exist in terms of energy technology & security, being sustainable, & far less hazardous.

Sincerely,
Steven Jacquier

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-----Tidbits du Jour-----

"Every gun that is made, every warship launched, every rocket fired signifies, in the final sense, a theft from those who hunger and are not fed, those who are cold and are not clothed. This world in arms is not spending money alone. It is spending the sweat of its laborers, the genius of its scientists, the hopes of its children." — Dwight D. Eisenhower

Piikea Tomczyk

From: Vicki Vierra [vickiv@hawaii.rr.com]
Sent: Tuesday, March 26, 2013 4:25 PM
To: ENETestimony; WTLTestimony; PSMTTestimony
Subject: RE: SR136

Aloha

Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members
Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members
Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members

I oppose SR136.

The PGV plant has a long history of poor management and worse community relations since its inception. The Puna community as a whole stands firmly opposed to any more geothermal development in our beautiful lands.

The solution to Oahu's energy problems lie on Oahu - and it is solar.

Sincerely,
Vicki Vierra

Piikea Tomczyk

From: Avery Freed [averymfreed@gmail.com]
Sent: Tuesday, March 26, 2013 7:21 PM
To: ENETestimony; WTLTestimony; PSMTTestimony
Subject: Re:SR136

I strongly oppose SR136 Geothermal has been an expensive, polluting, and dangerous health industry. Please oppose SR136 and stop the geothermal nightmare.

Thank You,
Dr. Avery Freed
Opihikao
Big Island
--
Avery Freed

Piikea Tomczyk

From: leo [andy@leosart.com]
Sent: Wednesday, March 27, 2013 9:18 AM
To: ENETestimony; WTLTestimony; PSMTTestimony
Subject: RE: SR136

WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM ----- RE: SR136 ----- Strong opposition
Aloha

Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members

Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members

Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members

I am in great opposition to SR136.

The PGV plant just had another in a long list of incidents and vented to the community. I live in Puna where the current PGV plant is located. This power plant has created huge problems for the people who have to live with it. These problems need to be fixed before more problem plants are built. There is huge community opposition to geothermal in Puna because the plant is poorly regulated.

Thank you, Andrew Leo
pres. Hawaiian Expressions

Piikea Tomczyk

From: Greg [punalife@gmail.com]
Sent: Wednesday, March 27, 2013 10:41 AM
To: ENETestimony
Cc: WTLTestimony; PSMTTestimony
Subject: SR136

WTL/ENE/PSM 225 Mar 28, 2013 2:30 PM

RE: SR136

Position: Strong opposition

Gregory Paul

Aloha

Senator Malama Solomon, Chair, WTL, Senator Maile S.L. Shimabukuro, Vice Chair, and committee members

Senator Mike Gabbard, Chair, ENE, Senator Russell E. Ruderman, Vice Chair, and committee members

Senator Will Espero, Chair, PSM, Senator Rosalyn H. Baker, Vice Chair, and committee members

I oppose the formation of a working group to study more geothermal development especially if there isn't an equally influential group that is studying the negative impacts. Hawaii has no business creating more geothermal plants until it can be proven safe and PGV is not safe.

Thank you for considering my view.

Sincerely

Gregory Paul

If we continue to treat our planet like it is a "thing" to use however we like without regard to the environmental impact, then man deserves a mass die off or extinction. It doesn't take a rocket scientist to combine exponential human population growth with finite natural resources to see we're on a dead end road. Literally.

Make decisions like you want everyone's children and grandchildren to have a future.

Protect our life sustaining environment first and foremost!