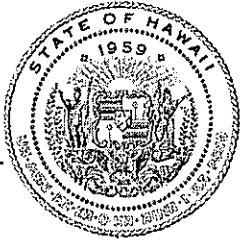


# SCR 69/ SR 34

Measure Title: ENDORSING AND SUPPORTING THE ALOHA+ CHALLENGE.  
Report Title: Aloha+ Challenge



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

NEIL ABERCROMBIE  
GOVERNOR

RICHARD C. LIM  
DIRECTOR

MARY ALICE EVANS  
DEPUTY DIRECTOR

No. 1 Capitol District Building, 250 South Hotel Street, 5th Floor, Honolulu, Hawaii 96813  
Mailing Address: P.O. Box 2359, Honolulu, Hawaii 96804  
Web site: [www.hawaii.gov/dbedt](http://www.hawaii.gov/dbedt)

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Statement of  
**RICHARD C. LIM**  
Director  
Department of Business, Economic Development, and Tourism  
Before the  
**SENATE COMMITTEES ON ENERGY AND ENVIRONMENT**  
And  
**WATER AND LAND**  
Tuesday, April 1, 2014  
2:50 p.m.  
State Capitol, Conference Room 225  
in consideration of  
**SCR 69/SR 34**  
**ENDORISING AND SUPPORTING THE ALOHA CHALLENGE.**

Chairs Gabbard and Solomon, Vice Chairs Ruderman and Galuteria, and Members of the Committees.

The Department of Business, Economic Development, and Tourism respectfully supports SCR 69/SR 34, which endorses and supports the Aloha+ Challenge.

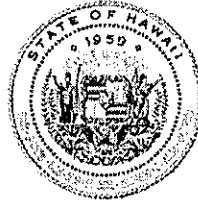
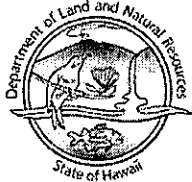
Under Governor Abercrombie's leadership, the Aloha+ Challenge will show a global commitment that Hawaii has made to create a more sustainable future, including clean energy, food, climate change, and other natural resources.

Internationally, the United Nations Secretary-General views sustainable energy as ensuring universal access to modern energy services and increasing improvements in energy efficiency and renewable energy's share in the global energy mix. In Hawaii, DBEDT and its State Energy Office share that focus in our efforts to drive clean energy innovation and build a vital, growing clean energy sector of our economy.

Given the important role energy plays in the Aloha+ Challenge, DBEDT reiterates its focus on economic sustainability and to going beyond our current clean energy mandates, in a manner that is consistent with our state energy policy directives of pursuing balanced, market-driven, cost-effective solutions to best serve Hawaii's energy needs.

Thank you for the opportunity to provide comments on SCR 69/SR 34.

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  
**ENERGY AND ENVIRONMENTAL**  
and  
**WATER AND LAND**

Tuesday, April 1, 2014  
2:50 PM  
State Capitol, Conference Room 225

In consideration of  
**SENATE CONCURRENT RESOLUTION 69/SENATE RESOLUTION 34**  
**ENDORING AND SUPPORTING THE ALOHA+ CHALLENGE**

Senate Concurrent Resolution 69/Senate Resolution 34 endorses and supports the Aloha+ Challenge. **The Department of Land and Natural Resources (Department) supports these measures.**

The Department is actively seeking to meet the natural resource management goals of the Aloha+ Challenge, including reversing the trend of natural resource loss mauka to makai by increasing watershed protection, community-based marine management, invasive species prevention and control, and restoration of native species. Efforts to reach these targets include "The Rain Follows the Forest" watershed initiative, co-leadership of the Hawaii Invasive Species Council, Hawaii's bid to host the World Conservation Congress in 2016, and many other programs within the Department that manage and restore marine and terrestrial resources. Through these programs, the Department is also helping to expand Hawaii's green workforce.

A statewide commitment recognizes the importance of these goals to improve Hawaii's environment, economy, as well as quality of life for all its citizens. The Department looks forward to being a part of this Challenge and strengthening Hawaii's culture of sustainability.

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

JESSE K. SOUKI  
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  
KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

NEIL ABERCROMBIE  
GOVERNOR OF HAWAII



LINDA ROSEN, M.D., M.P.H.  
DIRECTOR OF HEALTH

STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P.O. Box 3378  
HONOLULU, HAWAII 96801-3378

In reply, please refer to:  
File: EPO-SCR69 T

**SENATE COMMITTEE ON ENERGY AND ENVIRONMENT**

**SENATE COMMITTEE ON WATER AND LAND**

**S.C.R. 69, ENDORSING AND SUPPORTING THE ALOHA+ CHALLENGE**

**Testimony of Linda Rosen, M.D., M.P.H.  
Director of Health**

**April 1, 2014  
2:50 p.m.**

1 **Department's Position:** The Department of Health **STRONGLY SUPPORTS** this resolution as it will  
2 provide an integrated and focused approach to sustainability based on six measurable 2030 targets.

3 **Fiscal Implications:** Unknown, however, achieving the goals set forth in the Aloha+ Challenge will  
4 have innumerable environmental and economic benefits for Hawaii.

5 **Purpose and Justification:** Hawaii is recognized as a global island leader in sustainability but has also  
6 identified the urgent need for integrated, focused action to ensure a more sustainable, resilient, clean,  
7 and healthy future. Hawaii has joined the Global Island Partnership (GLISPA) and developed the  
8 Aloha+ Challenge to outline State sustainability principles and targets based on current priorities and  
9 policies to work towards this more secure, green future. As a member of Hawaii Green Growth, the  
10 Department joins in this shared statewide commitment to sustainability.

11 The Department appreciates the opportunity that the Aloha+ Challenge provides to increase  
12 support and coordination between county, state, and federal agencies, as well as partner organizations,  
13 and expand regional collaboration on key environmental issues like climate change and invasive species.  
14 The Department also fully endorses the Aloha+ Challenge's six goals, which include achieving 70

1 percent clean energy, a commitment to local food production, improved natural resource management,  
2 waste reduction, the creation of smart sustainable communities, and green workforce development.

3 The Department is already pursuing these targets through our efforts to reduce solid waste,  
4 which include expanding electronic waste recycling in the state and working to create a statewide  
5 Integrated Solid Waste Master Plan. We additionally support many measures that will contribute to  
6 creating smart sustainable communities, like car-sharing, bike-sharing, and transit-oriented  
7 development.

8 The sustainability targets outlined in the Aloha+ Challenge are both achievable and essential to  
9 long-term success for Hawaii.

10 Thank you for the opportunity to testify on this important resolution.

NEIL ABERCROMBIE  
Governor



SCOTT E. ENRIGHT  
Chairperson, Board of Agriculture

KEN H. KAKESAKO  
Deputy to the Chairperson

State of Hawaii  
DEPARTMENT OF AGRICULTURE  
1428 South King Street  
Honolulu, Hawaii 96814-2512  
Phone: (808) 973-9600 FAX: (808) 973-9613

TESTIMONY OF SCOTT E. ENRIGHT  
CHAIRPERSON, BOARD OF AGRICULTURE

BEFORE THE SENATE COMMITTEES ON ENERGY AND ENVIRONMENT AND  
WATER AND LAND

TUESDAY APRIL 1, 2014  
2:50 P.M.  
ROOM 225

SENATE CONCURRENT RESOLUTION 69/SENATE RESOLUTION 34  
ENDORING AND SUPPORTING THE ALOHA+ CHALLENGE

Chairpersons Gabbard and Solomon and Members of the Committees:

Thank you for the opportunity to provide testimony on Senate Concurrent Resolution 69 and Senate Resolution 34. This resolution supports the Aloha+ Challenge. The Department supports this resolution.

The Department has been an active partner in the collaborative effort known as Hawaii Green Growth (HGG). Bringing together leaders from both the public and private sector, HGG has been integral in breaking down silos and creating unique partnerships with the intent of moving Hawaii forward towards a vision of greater sustainability in food, energy, and natural resource management.

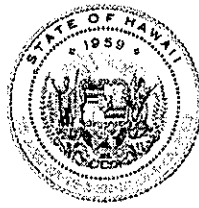
The Aloha+ Challenge is one such initiative that intends to showcase the concerted efforts that are being pursued in Hawaii to move the state towards greater sustainability as outlined by the Hawaii State Planning Act. In particular, the Department is excited to be a part of this initiative and to build on existing initiatives and projects such as those funded by the Agricultural Development and Food Security Special Fund. The Department does want to point out that food is one aspect of



agriculture, and the Department will continue its efforts to increase the overall capacity of the agricultural industry. The Department looks forward to striving towards and achieving the goal set forth in the resolution to double local food production with the aim of reaching 20 to 30 percent local food consumption by 2030.

Thank you for the opportunity to testify on this measure.

**NEIL ABERCROMBIE**  
GOVERNOR OF HAWAII



**STATE OF HAWAII**

**Testimony of**  
**JACQUELINE KOZAK THIEL**  
**State Sustainability Coordinator**

**Before the Senate Committees on**  
**ENERGY AND ENVIRONMENTAL**  
**and**  
**WATER AND LAND**

**Tuesday, April 1, 2014**  
**2:50 PM**  
**State Capitol, Conference Room 225**

**In consideration of**  
**SENATE CONCURRENT RESOLUTION 69/SENATE RESOLUTION 34**  
**ENDORING AND SUPPORTING THE ALOHA+ CHALLENGE**

Senate Concurrent Resolution 69/Senate Resolution 34 endorses and supports the Aloha+ Challenge. **The State Sustainability Coordinator strongly supports these measures.**

The Aloha+ Challenge is a joint commitment to a culture of sustainability with measurable 2030 targets for clean energy, natural resource management, local food production, green jobs creation, waste reduction, smart growth, and climate change adaptation.

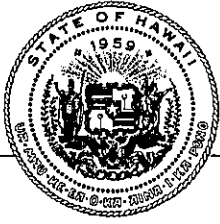
The Aloha+ Challenge builds upon the Legislature's leadership and investments in the Hawaii 2050 Sustainability Plan and Act 181, Hawaii Clean Energy Initiative, Rain Follows the Forest Watershed Initiative, Hawaii Invasive Species Council, Hawaii Climate Change Adaptation Priority Guidelines (Act 286) and other related sustainability policies and programs.

Hawaii is a microcosm of the interconnected sustainability challenges facing the planet. This is a tremendous opportunity for Hawaii to demonstrate international island leadership through ambitious commitments, integrated approaches, and scalable innovations that serve as a model of sustainability.

The State Sustainability Coordinator is actively working with public and private sector partners, including the diverse members of Hawaii Green Growth, to collaboratively advance the Aloha+ targets for a more sustainable and resilient Hawaii. The State Sustainability Coordinator is also helping to support the Governor, Mayors, and the Office of Hawaiian Affairs in their shared commitment and will continue to work across state departments and with the counties, federal agencies, University of Hawaii system and community partners for a coordinated strategy.

The State Sustainability Coordinator sincerely appreciates the Legislature's continued leadership through these resolutions. Mahalo nui for the opportunity to provide testimony.





**OFFICE OF PLANNING  
STATE OF HAWAII**

NEIL ABERCROMBIE  
GOVERNOR

LEO R. ASUNCION  
ACTING DIRECTOR  
OFFICE OF PLANNING

235 South Beretania Street, 6th Floor, Honolulu, Hawaii 96813  
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Statement of  
**LEO R. ASUNCION**  
Acting Director, Office of Planning  
before the  
**SENATE COMMITTEE ON ENERGY AND ENVIRONMENT  
AND  
SENATE COMMITTEE ON WATER AND LAND**

Tuesday, April 1, 2014  
2:50 PM  
State Capitol, Conference Room 225

in consideration of  
**SCR 69 / SR 34**  
**ENDORISING AND SUPPORTING THE ALOHA+ CHALLENGE.**

Chairs Gabbard and Solomon, Vice Chairs Ruderman and Galuteria, and Members of the Senate Committees on Energy and Environment and Water and Land.

The Office of Planning (OP) supports SCR 69 and SR 34 (companion measures HR 77, and HCR 104), which endorses the Aloha+ Challenge, and offers the following comments.

The Aloha+ Challenge presents an unprecedented opportunity for Hawaii to engage leaders from public and private entities across the state in a shared statewide commitment to sustainability, and to serve as an international model for integrated green growth. The Aloha+ Challenge defines six sustainability targets to be achieved by 2030 in the areas of clean energy, local food, natural resource management, waste reduction, climate resilience and smart growth, as well as green jobs. These targets were developed collaboratively by state agency leads and their partners, building upon existing efforts taking place throughout the state.

In particular, OP is committed to increasing Hawaii's resilience to and preparedness for the impacts of climate change. In 2012, our office was instrumental in developing Hawaii's

Climate Change Adaptation Priority Guidelines (Act 286) that were adopted into law by the Twenty-Sixth State Legislature. Today, we continue to work with state and county agencies to implement Act 286 and integrate climate change adaptation into existing planning and regulatory frameworks.

As an active member of Hawaii Green Growth, we are ready and willing to work with our partners to meet the ambitious targets set forth by the Aloha+ Challenge and join in support of this shared commitment to building a more secure, sustainable, and resilient Hawaii.

Thank you for the opportunity to provide testimony on this measure.



**SCR69/SR34**  
**ENDORISING AND SUPPORTING THE ALOHA+ CHALLENGE**  
Senate Committee on Energy and Environment  
Senate Committee on Water and Land

April 1, 2014

2:50 p.m.

Room 225

The Office of Hawaiian Affairs (OHA) **SUPPORTS** SCR69/SR34, which would establish six sustainability targets for Hawai'i to achieve by 2030 in the areas of clean energy development, local food production, natural resource management, waste reduction, climate resilience/smart growth and green jobs.

Hawai'i, despite its relative isolation, has a rich heritage of sustainability and self-sufficiency. Our ancestors understood the importance of living in harmony with the natural environment, and were able to support a remarkably large population without depleting our islands' limited resources. Through an ahupua'a system of land management and with shared cultural practices of aloha (respect), laulima (cooperation) and mālama (stewardship), Native Hawaiians were able to maintain a desirable pono (balance) between the 'āina and the people it sustained.

Today, our dependence upon imported goods, combined with the rising costs of fuel and historically short-sighted land use and development policies, has resulted in the incremental displacement and disenfranchisement of local residents, including Native Hawaiians in their own homelands. SCR69/SR34 seek to alleviate the ever-increasing burdens of modern socioeconomic trends, and achieve the pono that once existed when our ancestors cultivated the land. OHA recognizes the importance of such a vision, and already supports initiatives to promote the health and restoration of native forests and watersheds, protect coral reefs and ocean resources, grow more local food for local consumption and produce more clean energy. Accordingly, the Administration of OHA, along with the Governor and the mayors of all the counties, has already agreed to accept the Aloha+ Challenge embodied in these resolutions.

Therefore, OHA urges the Committees to **PASS** SCR69/SR34. Mahalo for the opportunity to testify on these measures.

STATE OF HAWAII  
DEPARTMENT OF DEFENSE

TESTIMONY ON  
SENATE CONCURRENT RESOLUTION 69 / SEANTE RESOLUTION 34  
ENDORISING AND SUPPORTING THE ALOHA+ CHALLENGE

PRESENTATION TO  
THE SENATE COMMITTEES ON  
ENERGY AND ENVIRONMENT (ENE)  
AND WATER AND LAND (WTL)

BY  
MAJOR GENERAL DARRYLL D. M. WONG  
ADJUTANT GENERAL AND DIRECTOR OF STATE CIVIL DEFENSE  
April 1, 2014

Chair Gabbard, Chair Solomon, and Members of the Senate Committees on Energy and Environment (ENE) and Water and Land (WTL):

I am Major General Darryll D. M. Wong, Adjutant General and Director of State Civil Defense. I am testifying in **SUPPORT** of House Concurrent Resolution 104.

Aloha+ Challenge's goal is building a more secure, sustainable and resilient economy and environment for all of Hawaii. Hawaii needs community resilience and sustainability because it is an island state. Business, government, the military and the public must work together toward Aloha+ Challenge's goal.

Thank you for allowing me to testify in **SUPPORT** of Senate Concurrent Resolution 69 / Senate Resolution 34.



COLLEGE OF SOCIAL SCIENCES  
**HAWAII ENERGY POLICY FORUM**  
UNIVERSITY OF HAWAII 'I AT MĀNOA

**Hawaii Energy Policy Forum**

Jeanne Schultz Afuwai, HI Inst. for Public Affairs  
Joseph Bovin, Hawai'i Gas  
Warren Bollmeier, HI Renewable Energy Alliance  
Albert Chee, Chevron  
Elizabeth Cole, The Kohala Center  
Leslie Cole-Brooks, HI Solar Energy Assn  
Kyle Datta, Ulupono Initiative  
Laura Dierenfield, Queen Lili'uokalani Trust  
Mitch Ewan, UH HI Natural Energy Institute  
Jay Fidell, ThinkTech HI, Inc.  
Carl Freedman, Haiku Design & Analysis  
Sen. Mike Gabbard, HI State Senate  
Dan Giovanni, Hawaiian Electric Company  
Mark Glick, State Energy Office, DBEDT  
Justin Gruenstein, City & Co. of Honolulu  
Dale Hahn, Ofc of US Sen Brian Schatz  
Michael Hammett, Research Corp. of the UH  
Robert Harris, Sierra Club  
Rachel James, Ofc of US Rep. Tulsi Gabbard  
Jim Kelly, Kaula Island Utility Cooperative  
Darren Kimura, Energy Industries  
Kelly King, Sustainable Biodiesel Alliance  
Kal Kobayashi, Maui County Energy Ofc  
Rep Chris Lee, HI House of Representatives  
Gladys Marrone, Building Industry Assn of HI  
Doug McLeod, Maui County  
Stephen Meder, UH Facilities and Planning  
Lauren Montez-Hernandez, Ofc of Sen Mazie Hirono  
Hermína Morita, Public Utilities Commission  
Sharon Moriwaki, UH So. Sci. Public Policy Ctr  
Ron Nelson, U.S. Defense Energy Support Center  
Tim O'Connell, U.S. Dept of Agriculture  
Jeffrey Ono, Division of Consumer Advocacy, DCCA  
Darren Pai, Hawaiian Electric Company  
Wintehm KT Park, Ofc of US Rep. Colleen Hanabusa  
Melissa Pavlicek, Hawaii Public Policy Advocates  
Randy Perreira, HI Government Employees Assn  
Rick Rocheleau, UH HI Natural Energy Institute  
Will Rolston, Hawai'i County  
Riley Saito, SunPower Systems Corp  
Joelle Simonpietri, U.S. Pacific Com. Energy Ofc  
H. Ray Starling, Hawaii Energy  
Ben Sullivan, Kaula County  
Lance Tanaka, Hawaii Independent Energy, LLC  
Maria Tome, State Energy Office, DBEDT  
Ah Linn Yamane, HI Government Employees Assn

Testimony of Sharon Moriwaki, Co-chair  
Hawai'i Energy Policy Forum

Before the

House Committees on Energy & Environmental Protection and Water & Land  
Tuesday, April 1, 2014, 2:50 pm, Conference Room 225

**IN SUPPORT OF SCR 69 / SR 34, Endorsing and supporting the Aloha + Challenge**

Chair Mike Gabbard, Chair Malama Solomon, and Members:

I am Sharon Moriwaki, Co-chair of the Hawai'i Energy Policy Forum (Forum). The Forum, created in 2002, is comprised of 46 representatives from Hawaii's electric utilities, oil and natural gas suppliers, environmental and community groups, renewable energy industry, and federal, state and local government, including representatives from the neighbor islands. Our vision and mission, and comprehensive "10 Point Action Plan" serves as a guide to move Hawaii toward its preferred energy goals.

The Forum supports SCR 69 and SR 34, which endorse and support the Aloha + Challenge that will bring together leaders and organizations to commit to an integrated approach to achieving sustainability targets by 2030. More specifically, the initiative commits to achieving six sustainability targets by 2030 in the following areas: clean energy, local food, natural resource management, waste reduction, climate resilience/smart growth, and green jobs.

The Forum has supported the the University of Hawaii Public Policy Center in its work on the Hawaii 2050 Sustainability Plan; and the current work with Hawai'i Green Growth, a partnership of public (federal, state, and local government), private, and community sectors focused on achieving a sustainable Hawai'i. One of our major projects is the development of meaningful indicators and metrics to track progress in achieving the sustainability targets.

The Aloha+ Challenge will build on these joint efforts and will promote an island-style, integrated approach to sustainability. In recent years, Hawai'i has been recognized for its progress and innovative, collaborative approach to sustainability. The Aloha+ Challenge will enable Hawai'i to mobilize the leadership, partnerships, and resources to build a sustainable future for Hawai'i as well as learn from and share with other jurisdictions with mutual interest in sustainable development.

Based on the foregoing, the Forum supports SCR 69 and SR 34 and urges their adoption.

Thank you for the opportunity to testify.

*This testimony reflects the position of the Forum as a whole and not necessarily of the individual Forum members or their companies or organizations.*

**Bernard P. Carvalho, Jr.**  
Mayor



**George K. Costa**  
Director

**Nadine Nakamura**  
Managing Director

**OFFICE OF ECONOMIC DEVELOPMENT**  
**County of Kaua'i, State of Hawai'i**  
4444 Rice Street, Suite 200, Lihu'e, Hawai'i 96766  
TEL (808) 241-4946 FAX (808) 241-6399

THE SENATE  
THE TWENTY-SEVENTH LEGISLATURE  
REGULAR SESSION OF 2014

COMMITTEE ON ENERGY AND ENVIRONMENT  
Senator Mike Gabbard, Chair  
Senator Russell E. Ruderman, Vice Chair

COMMITTEE ON WATER AND LAND  
Senator Malama Soloman, Chair  
Senator Brickwood Galuteria, Vice Chair

Tuesday, April 1, 2014  
2:50 p.m.  
Conference Room 225

TESTIMONY OF GLENN SATO, SUSTAINABILITY MANAGER FOR THE COUNTY OF Kaua'i,  
OFFICE OF ECONOMIC DEVELOPMENT  
In Support of the Aloha+ Challenge Resolution SCR69 & SR34

The County of Kaua'i strongly supports this resolution endorsing and supporting the Aloha+ Challenge. This effort will bring our communities together to move towards sustainability and to position Hawai'i internationally as a pioneer for sustainable growth. The *Aloha+ Challenge* resolution defines six sustainability targets for Hawai'i to reach by 2030 in clean energy, local food, natural resource management, waste reduction, climate resilience/smart growth and green jobs. These targets are achievable if we all work together, share information and develop reasonable metrics to gauge successes and pinpoint areas for improvement. The Aloha+ Challenge will also be a means to showcase our efforts as examples to other island communities.

Mayor Bernard Carvalho's Holo Holo 2020 vision calls for all businesses, residents and businesses on Kauai to be part of creating an island that is sustainable, values our native culture, has a thriving and healthy economy, cares for all...keiki to kupuna, and has a responsible and user-friendly local government. Kaua'i's commitment to sustainability was solidified in July 2011 by the funding and creation of a full-time Sustainability Manager position. Since September 2011, the County has concentrated its efforts to increase its operational sustainability, specifically in energy use, resource efficiency, smart growth planning and green workforce development. Kauai County stands ready to support the Global Island Partnership and Hawaii Green Growth, and accept and exceed the Aloha+ Challenge goals. We commend the Legislature for their support and leadership for a sustainable Hawaii.

Respectfully,

Glenn H. Sato  
Sustainability Manager  
County of Kauai



**Testimony of Hawai'i Green Growth  
In Support of the Aloha+ Challenge Resolution SCR69 & SC34  
Senate Committee on Energy and Environment  
Senate Committee on Water and Land  
1 April 2014, 2:50pm, Room 225**

Audrey Newman  
Hawai'i Green Growth  
P.O. Box 535 Ho'olehua, Hawai'i 96729

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*Hawai'i Green Growth is a voluntary partnership of more than 50 state, county, federal, business, and non-governmental leaders from energy, food production, natural resources, waste reduction, planning, green jobs, and other sectors who have come together to support a shared statewide commitment and tangible actions toward sustainability and a model green economy.*

---

**Hawai'i Green Growth (HGG) strongly supports this resolution to endorse the Aloha+ Challenge** and bring leaders and organizations together across the state in a shared commitment to sustainability. As an island community, we recognize our economy, environment and people are vulnerable to global economic and environmental trends. Hawai'i is also uniquely positioned to be a global leader in building a more resilient, secure and sustainable future for our islands.

The *Aloha+ Challenge* resolution defines six sustainability targets for Hawai'i to reach by 2030 in clean energy, local food, natural resource management, waste reduction, climate resilience/smart growth and green jobs. These targets were developed collaboratively by lead State agencies with key private partners and endorsed by our HGG members – more than 50 leaders (see attached list) from government, business and non-profit organizations. They build upon and will help advance outstanding work by dedicated people across the state. The *Aloha+ Challenge* targets are achievable if we work together and make strategic long-term investments.

Working with the State Sustainability Coordinator, we have reached out to all four Counties and the Office of Hawaiian Affairs to help lead the *Aloha+ Challenge*, and they are ready. We are also working with partners across the state on practical indicators and measures for decision-makers and the public to track progress on these targets.

The *Aloha+ Challenge* will promote action on an island-style, integrated approach to sustainability, which is essential to our success. In recent years, Hawai'i has been recognized for our progress and innovative, collaborative approach to sustainability by islands around the world, and many want to learn and share with us. We are all searching for answers to these global problems. The *Aloha+ Challenge* will help mobilize the leadership, partnerships and resources we need to build the future we all want for our Hawai'i.

Mahalo nui to the Chairs and Committee members who co-sponsored this resolution. We ask you all to support the *Aloha+ Challenge* resolution and to help lead our state in this important work.

Mahalo kākou,

**Audrey Newman**  
Senior Advisor, Hawai'i Green Growth (HGG)  
*Bringing leaders together to achieve sustainability in Hawai'i & be a model for a green economy*

## Hawai'i Green Growth Working Group

1. 'Aulani Wilhelm, NOAA Superintendent, Papahānaumokuākea Marine National Monument (PMNM)
2. Audrey Newman, Senior Advisor, Hawai'i Green Growth (HGG) & Global Island Partnership (GLISPA)
3. Aurora Winslade, Sustainability Coordinator, University of Hawai'i at Mānoa (UH)
4. Ashley Lukens, Director of Rewarding Internships for Sustainable Employment (RISE), Kupu Hawai'i
5. Bill Tam, Deputy Director, Hawai'i Dept of Land & Natural Resources (DLNR)
6. Brandon Lee, Associate, Ulupono Initiative
7. Brant Chillingworth, Program Officer, Hau'oli Mau Loa Foundation
8. Carol Feinga, Administrative Director, Kōkua Hawai'i Foundation
9. Carol Wilcox, Board Member, Mālama Maunaloa
10. Chipper Wichman, Executive Director, National Tropical Botanical Garden (NTBG)
11. Christy Martin, Public Information Officer, Coordinating Group on Alien Pest Species (CGAPS)
12. Deanna Spooner, Coordinator, Pacific Islands Climate Change Cooperative (PICCC)
13. Ed Kenney, Owner, Town Restaurant
14. Emma Yuen, Natural Area Reserves Systems Planner, DLNR
15. Eric Co, Program Officer for Marine Conservation, Harold K.L. Castle Foundation
16. Gary Gill, Deputy Director, Hawai'i Department of Health (DOH)
17. Colonel (ret.) Howard Killian, HI Env'tal & Sustainability Coord, Office of the Dep Asst Sec for the Army (ODASA)
18. Jackie Kozak Thiel, State Sustainability Coordinator, State of Hawai'i
19. Jason Ito, Director of Administration and Planning, Kyo-ya
20. Jason Philibotte, Director of Hawai'i Fish Trust, Conservation International (CI)
21. Jeff Mikulina, Executive Director, Blue Planet Foundation
22. Jesse Souki, Deputy Director, DLNR and former Director, Office of Planning (OP)
23. Josh Atwood, Invasive Species Coordinator, DLNR & Hawai'i Invasive Species Council (HISC)
24. June Matsumoto, Hawai'i Committee, World Conservation Congress 2016
25. Dr. Kamanao'pono Crabbe, Chief Executive Officer, Office of Hawaiian Affairs (OHA)
26. Kawika Burgess, Chief Operating Officer, OHA
27. Ken Kakesako, Deputy Director, Hawai'i Department of Agriculture (DOA)
28. Ka'iulani De Silva, Director of Education & Consumer Affairs, Hawaiian Electric Company (HECO)
29. Kevin Vaccarello, Founder & Director, Sustain Hawai'i
30. Kirsten Baumgart Turner, Partner, Sustainability Partners, Inc.
31. Kyle Datta, General Partner, Ulupono Initiative
32. Laurie Carlson, Regional Governor, Slow Food Hawai'i & Founding Publisher, Honolulu Weekly
33. Lihla Noori, Executive Director, Hawai'i Conservation Alliance (HCA)
34. Dr. Maria Gallo, Dean & Director, College of Tropical Agriculture and Human Resources (CTAHR)
35. Mark Fox, External Affairs Director, The Nature Conservancy of Hawai'i (TNCH)
36. Mary Lou Kobayashi, Planning Program Administrator, Office of Planning (OP)
37. Mawae Morton, Representative, Polynesian Voyaging Society (PVS)
38. Maxine Burkett, Associate Professor of Law, UH & Director of Research Initiatives, Hawai'i Presidential Center
39. Michael Buck, Representative, Mālama Hawai'i & Former DOFAW Administrator, DLNR
40. Mike Hamnett, Co-Chair, Hawai'i Energy Policy Forum (HEPF) & Executive Director, Resarch Corp UH (RCUH)
41. Neil Hannahs, Director of Land Assets Division, Kamehameha Schools
42. Nicole Chatterson, RISE Mentor, Kupu Hawai'i
43. Olin Lagon, Executive Director, Kanu Hawai'i
44. Pauline Sato, Mālama Learning Center & Agricultural Leadership Foundation of Hawai'i
45. Peter Adler, Principal, Accord 3.0 Consultants
46. Piia Aarma, President, Pineapple Tweed Public Relations & Marketing
47. Pono Shim, Executive Director, Enterprise Honolulu
48. Russell Kokubun, former Chairperson, DOA
49. Sharon Moriwaki, Co-Chair, HEPF & Associate Director, UH Public Policy Center (UHPPC)
50. Sylvia Yuen, Special Assistant to the UH President for Food Security & Safety
51. Traci Ho Kim, Department of Business, Economic Development, & Tourism (DBEDT)
52. Ulalia Woodside, Regional Assets Manager, Kamehameha Schools
53. William Aila, Chair, DLNR



Testimony of The Nature Conservancy of Hawai'i  
Supporting SCR 69 and SR 34 Endorsing and Supporting the Aloha+ Challenge  
Senate Committee on Energy and Environment  
Senate Committee on Water and Land  
Tuesday, April 1, 2014, 2:50pm, Room 225

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*The Nature Conservancy of Hawai'i is a private non-profit conservation organization dedicated to the preservation of the lands and waters upon which life in these islands depends. The Conservancy has helped to protect nearly 200,000 acres of natural lands in Hawai'i. Today, we actively manage more than 35,000 acres in 11 nature preserves on Maui, Hawai'i, Moloka'i, Lāna'i, and Kaua'i. We also work closely with government agencies, private parties and communities on cooperative land and marine management projects.*

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The Nature Conservancy is a member of Hawai'i Green Growth and we strongly support SCR69/SR34 which defines six sustainability targets for Hawai'i to reach by 2030 in clean energy, local food, natural resource management, waste reduction, climate resilience/smart growth and green jobs.

Though we live in a global economy where we can secure nearly all the goods and services we need from outside our island home, we face a variety of political, economic and environmental conditions that demand that we also improve our local security and self-reliance. The cost of goods and the fuel to bring them here will only increase. Energy costs will continue to rise especially if we continue to import all the fuel we require to generate power. Political and weather realities demand that we figure out how to have more than a week or two of food and energy supplies in the event of disaster or cargo interruptions. Science indicates that climate change effects in Hawai'i will likely include:

- More frequent and more severe storms;
- Overall less rainfall and therefore less fresh water;
- Higher temperatures that are beneficial to invasive species;
- Sea level rise and high waves that harm coastal areas and groundwater systems;
- Ocean acidification that inhibits growth of protective coral reefs and harms fisheries.

In response to these challenges, we must plan and implement mitigative and adaptive measures to ensure the resilience of our natural and human systems. Taking better care of the health and function of our forested watersheds and coral reefs, growing more food for local consumption, producing more clean energy locally, and better managing waste are essential components of building self-reliance and resilience here in the middle of the Pacific Ocean. The Aloha+ Challenge and its six sustainability targets recognizes our existing successes and helps keep us focused on building a more secure, sustainable and resilient economy and environment for all of Hawai'i's residents, businesses and visitors.

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SENATE COMMITTEES ON ENERGY & ENVIRONMENT AND WATER & LAND  
Tuesday, April 1, 2014 – 2:50 p.m. – Room 225

**Ulupono Initiative Strongly Supports SCR 69 and SR 34, Endorsing and Supporting the Aloha+ Challenge**

Dear Chair Gabbard, Vice Chair Ruderman, Chair Solomon, Vice Chair Galuteria and Members of the Committees:

My name is Kyle Datta and I am general partner of the Ulupono Initiative, a Hawai'i-based impact investment firm that strives to improve the quality of life for the people of Hawai'i by working toward solutions that create more locally grown food, increase renewable energy, and reduce/recycle waste. Ulupono invests in projects that have the potential to create large-scale, innovative change.

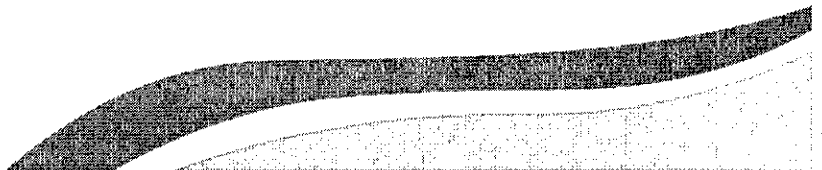
**Ulupono strongly supports SCR 69 and SR 34**, which endorses and supports the Aloha+ Challenge. Ulupono is a member of Hawai'i Green Growth Initiative, who helped to facilitate this agreement on food, energy, and waste goals by the Governor, all four mayors, and the chairperson of the Office of Hawaiian Affairs. We believe that Hawai'i can achieve greater environmental sustainability goals where key stakeholders communicate and work together on common targets. This bill will help to achieve that and therefore, we urge your strong support.

Thank you for this opportunity to testify.

Respectfully,

Kyle Datta  
General Partner

Email: [communications@ulupono.com](mailto:communications@ulupono.com)



**SCR69**

Submitted on: 3/26/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Arvid Tadao Youngquist	The Sky Ohana	Support	Yes

Comments: Chair, Sen. Mike Gabbard, Senate ENE Committee Chair, Sen. Malama Solomon, Senate WTL Committee Vice Chair, Sen. Russell Ruderman, ENE Committee Vice Chair, Sen. Brickwood Galuteria Right Honorable Members of ENE/WTL Joint Hearing First we wish to thank the co-sponsors: Senators ENGLISH, BAKER, CHUN OAKLAND, GABBARD, IGE, KIDANI, SOLOMON, Dela Cruz, Espero, Galuteria, Hee, Kahele, Keith-Agaran, Nishihara, Ruderman, Shimabukuro, L. Thielen, Tokuda, & Wakai. We support SCR 69 Aloha+Challenge. It is an open invitation since 2013 to join this Islands of the World to engage each other and learn from each other in sustainability, respect the land, and here in Hawaii to help us bring ourselves out of the 95% dependency on shipping of all that we consume, in the Billions of Dollars worth of Capital. If a smaller economy has achieved what we have been striving for, so be it, let us learn and practice what works elsewhere. Let us embrace and reach out. Please support the SCR 69 Aloha+Challenge. Mahalo nui loa and me ke Aloha Pumehana, Arvid Tadao Youngquist \*Note: Registered Voter, CD1, U.S. House of Representatives District (Kalihi Valley resident)

**SCR69**

Submitted on: 3/27/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
James Callahan	Individual	Support	No

**SCR69**

Submitted on: 3/27/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Carly Quisenberry	Individual	Support	No

## SCR 69/SR 34

I am a member of) Hawai'i Green Growth, a multi-sector partnership committed to achieving a resilient, sustainable Hawai'i. I strongly support SR34, which supports the Aloha+ Challenge and its six sustainability targets for Hawaii to reach by 2030.

We all know how precarious the environment and economy of an island can be. Invasive species, cost of fuel, limited local food production, are just a few of the things that can immediately and dramatically affect our lives.

Hawaii is often challenged to be a leader in different areas simply because of our island status. There is no question that we can be a leader in sustainability – we can be an example to the rest of the world. I urge your support of the Aloha+ Challenge as a way to learn and lead.

- The Aloha+ Challenge will help us build a more secure, sustainable and resilient economy and environment for all of Hawai'i.
- The six sustainability targets in clean energy, local food production, natural resource management, waste reduction, climate resilience/smart growth and green jobs – they are all achievable and necessary.
- The Aloha + Challenge will recognize and applaud leadership in government, business, non-profits and communities and their readiness to work together on this Aloha+ Challenge.

Thank you for your attention and your service to Hawaii.

Piia M. Aarma  
Pineapple Tweed PR & Marketing  
[piia@pineappletweed.com](mailto:piia@pineappletweed.com)  
737-1904

**Testimony in SUPPORT of the Aloha+ Challenge Resolution SCR69 & SC34**  
**House Committee on Economic Development and Business**  
**House Committee on Agriculture**  
**28 March 2014**

Aloha kakahiaka,

I strongly support the Aloha+ Challenge because it is a forward thinking and vitally necessary component of the future of our island home. Hawai'i is in a unique position to draw from a successfully sustainable history *and* incorporate innovative new technology in developing solutions to return to a healthier and happier state. Sustainability makes sense in Hawai'i – both culturally and economically. We get it and we understand that we can learn from the successes of others to ensure our own.

The goals of the Aloha+ Challenge are ambitious. They will require true collaboration between and within the public and private sectors to achieve. Our communities are looking to you as leaders to provide a commitment to support targets that increase our local food security, reduce our dependence on imported fuel and goods, and embrace our potential to implement solutions that address climate change impacts to the people and resources of Hawai'i.

I support the proposal in its entirety, but, if the proposal is to be amended in any way, adding a seventh target to address finite water resources in a forward-thinking way through revisiting and improving current water resources management to include the natural resources on land and in the water upon which we all depend for sustenance, protection, and healing and establishing new targets that incorporate climate change impacts to rainfall, sea level, and ocean chemistry. This may be done under the *Smart Sustainable Communities* target, if not explicitly elevated, and it must be done soon.

Rather than waiting to respond to the future we know is before us if we do nothing, we must act now to chart a new course for Hawai'i. We have all of the tools at our fingertips: amazing and dedicated people like yourselves, free energy from the sun to spare, and, most importantly, a cultural mandate to honor and care for this precious place so that the traditions of Hawai'i will never be lost.

Thank you for supporting the Aloha+ Challenge resolution and demonstrating leadership for Hawai'i.

Mālama pono,

**Chad Wiggins**

Resident of Kamuela, South Kohala, Hawai'i Island

**SCR69**

Submitted on: 3/26/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Breanna Rose	Individual	Support	Yes

Comments: I strongly support the Aloha+ Challenge resolution (SCR 69 & HCR 104), which embodies an integrated approach to sustainability with six 2030 targets in clean energy, local food, natural resource management, waste reduction, climate change/smart growth and green jobs. As an isolated island state, Hawai'i is vulnerable to impacts of climate change and other global conditions that demand we move towards self-reliance. Leadership from the Governor, Mayors, Office of Hawaiian Affairs, the Legislature, and Hawai'i Green Growth public-private partners have responded to these issues with support for the Aloha+ Challenge, which provides measurable, achievable targets to serve a road map for our sustainability goals. The Aloha+ Challenge builds upon existing achievements done across the state, and will help advance a more secure, sustainable, resilient future for the overall health of Hawai'i's people, economy, and way of life.

**SCR69**

Submitted on: 3/27/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Michael Hamnett	Individual	Support	Yes

Comments: Chairs Gabbard and Solomon, Vice Chairs Ruderman and Galuteria, my name is Michael Hamnett, I co-chair the Hawaii Energy Policy Forum and have been involved in environmental management in Hawaii for over 20 years. The Aloha + Challenge brings together the aspiration of many in our community in achievable targets that when met will make Hawaii a much better place for our children and grand children. I strongly support the resolution. Thank you.

Testimony in Support of SRC69, Endorsing and Supporting the Aloha + Challenge

DATE: Saturday, March 29, 2014

TO: Senators ENGLISH, BAKER, CHUN OAKLAND, GABBARD, IGE, KIDANI, SOLOMON, Dela Cruz, Espero, Galuteria, Hee, Kahele, Keith-Agaran, Nishihara, Ruderman, Shimabukuro, L. Thielen, Tokuda, Wakai

RE: Testimony in SUPPORT of SCR 69, Relating to Aloha + Challenge  
Hearing on Tuesday, April 1, 2014 at 2:50 PM in Room 225

Dear Members of the Committee:

My name is R. Don Peel and I **support** SRC69 which endorses and supports the Aloha + Challenge to ensure Hawai'i is a leader in the transition to a "sustainable development" paradigm. Hawai'i could be likened to the canary in the coal mine as the ecosystems of islands continue to deteriorate, signaling the Planet is following suit. However, this destructive trend is being countered by Hawai'i's high level of multi-cultural collaboration and ventures such as *World Wide Voyage*, uniting the world with Aloha, acting as a catalyst to the international sustainability movement. This bill supports such Hawaiian initiatives.

I have been researching the concept of sustainable development for the last 14 years, the latter 7 years at the University of Hawai'i (UH) Mānoa. The UH has become a bee hive of youth-led sustainable initiatives. Underlying this encouraging activity is *Agenda 21*, the international agreement ratified by 178 nations at the 1992 Earth Summit, a plan for achieving a sustainable existence for humans globally. This strategy was recommitted to at the 2012 Earth Summit, the largest international collective of government representatives and non-government organizations in history. SCR69 reflects the recommitment by the international community.

The 2012 Earth Summit also reinforced the need to engage youth to participate, Nainoa Thompson's strategy in the *World Wide Voyage*, but also saw the need to flip the process to a bottom-up process engaging a majority of civil society. The United Nations' declaration of 2005-2014 as being the "Decade of Education for Sustainable Development" was the first attempt to include the young stakeholders in the co-designing of their future on this Planet. However, the 2013 International Panel on Climate Change (IPCC) report finds little evidence that human activity, with its increasing demands on natural resources, will become sustainable under the



## Testimony in Support of SRC69, Endorsing and Supporting the Aloha + Challenge

present development scenario. Some estimates have calculated it will take five Planet Earths to give everyone the same standard of life we enjoy in the developed nations. Therefore, people worldwide, from infants to elderly, have been summoned by this unifying international agenda to set aside all differences, age, gender, opinions, and rank to collectively chart a path to global peace and prosperity. Agenda 21 has also identified in this world dialogue, extra consideration has to be given to “major groups” who historically have had little direct influence in policy development including youth, females, and indigenous peoples.

Hawai‘i is a unique society that offers an established multi-cultural perspective recognizing the need to readopt ancient Hawaiian values to address the islands social, economic, and environmental interrelationships (also reflected in UH strategic plan). Therefore, this bill adds policy strength to support this approach to achieve sustainability. However, to increase the inclusivity of our innovative youth, one recommendation I would like to convey would be consideration of adding the following clause to this bill:

“WHEREAS, a statewide commitment to the *Aloha+ Challenge* will help to:”

(4) Promote:

(D) education for sustainable development from K to 20.

The Department of Education also could seize this burgeoning opportunity to lead in the area of developing effective programs that nurture citizens with sustainable mindsets.

Thank you for allowing me to testify in **SUPPORT of SCR69**.

Sincerely,



R. Don Peel, P.Geo., M.Sc., Hon. FEC., FGC.

**SCR69**

Submitted on: 3/29/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Daniel Simonich	Individual	Support	No

**SCR69**

Submitted on: 3/29/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Michelle Tigchelaar	Individual	Support	No

Comments: As an island state, Hawaii - more than the other of these United States - is extremely dependent on imported resources, and vulnerable to natural disaster and anthropogenic climate change. This bill, supporting the Aloha+ Challenge and its ambitious goals, provides a unique opportunity for Hawaii to not only move towards a more secure, clean, independent and resilient society and economy, but also to be a global leader in sustainability efforts.

**SCR69**

Submitted on: 3/30/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
James Callahan	Individual	Support	No

**SCR69**

Submitted on: 3/31/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Stephanie Chang	Individual	Support	No

Comments: I support resolution SCR69.

**SCR69**

Submitted on: 3/31/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Carly Quisenberry	Individual	Support	No

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TESTIMONY ON BEHALF OF SCR 69 and SR 34 – RELATING TO ENDORSING AND SUPPORTING THE ALOHA+  
CHALLENGE

April 1, 2014

**(COMMENTS)** Thank you for the opportunity to submit testimony in support of HCR 104 and HR 77. My name is Michael Buck, former Hawaii State Forester/Wildlife Director from 1989 to 2004 and a member of the Hawai'i Green Growth Initiative. The Hawai'i Green Growth is a voluntary partnership of state, county, federal, business, and nongovernmental leaders from many sectors, including clean energy, local food production, natural resource management, waste reduction, climate change mitigation and adaptation, planning, green jobs, and others, that is ready to support a shared statewide commitment to sustainability and be a model for integrated green growth.

I applaud the intent of this resolution as well as the sponsors who have introduced it. The Aloha+ Challenge will help us build a more secure, sustainable and resilient economy and environment for all of Hawai'i. It puts tangible "meat on the bones" with specific sustainability targets as well as an integrated approach outlined in the resolution. These targets provide a baseline and foundation for both public agencies and private sector entities (e.g. business, non-profit, community groups) to align their efforts.

The Hawaii State Legislature has a proven track record of supporting sustainability across economic, social, and environmental sectors. Your support of this resolution is critical as the Governor, Mayors of all the Counties, and the Chair of the Office of Hawaiian Affairs have expressed their interest in accepting the Aloha+ Challenge. Sustainability is a journey that we all must travel together. I urge you to pass this resolution so help us work together to sustain Hawai'i future.

Thank you for the opportunity to submit testimony.

Crysttal Steiner  
1720 Huna Street B-209  
Honolulu, Hawai'i 96817  
Crysttal@gmail.com

March 31, 2014

To Whom It May Concern:

I strongly support SCR69 and SC34, Endorsing and Supporting the Aloha + Challenge, and I hope you will, too. As an island state, we have much to lose if we don't embrace sustainability now. Hawai'i can be a leader in this area, thus I urge you to support this resolution. Mahalo.

Crysttal Steiner

**SCR69**

Submitted on: 3/31/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jennifer Milholen	Individual	Support	No

Comments: Given Hawaii's unique set of challenges to face and the wonderful potential for place-based solutions, I strongly support the Aloha+ Challenge.

**SCR69**

Submitted on: 4/1/2014

Testimony for ENE/WTL on Apr 1, 2014 14:50PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Mary Smart	Individual	Oppose	No

Comments: Oppose S.C.R. 69. Aloha+ Challenge is based on false premises and would be extremely harmful to the people of Hawaii. The best way to make Hawaii sustainable is to have a strong Navy and Merchant Marine, improve the school to instill facts, use of English, math, science and other practical skills (eliminate common core and pono choices sex education), use clean reliable fossil fuels, encourage a competitive shipping industry and amend the Jones Act to . There is nothing sustainable about the objectives of Aloha+ Challenge. Turning Hawaii back into an agrarian society is regressive and not sustainable. America has become a knowledge based society. We can import whatever is needed from other locations that can produce products at a lower cost and more efficiently. There is no reason Hawaii needs to grow their own food or cut down on energy use. We have progressed from the days of serfdom managed by the elites and we don't want to go back. Americans are innovative. In the last century our civilization has made a 5000 year leap in capability. There is no reason to think that our advancement has to stop (unless we adopt programs like Aloha+ Challenge). We should not base our economy on methods and procedures of the past and what we know today. With our exceptional research and drive, we are learning more every day including new and safe methods of extracting (fracking) energy resources and using energy more efficiently. The United States is blessed with tremendous reserves of energy. Our H-power energy systems take trash that could have ended up in a landfill and produced energy for thousands of homes.

[http://www.opala.org/solid\\_waste/archive/How\\_our\\_City\\_manages\\_our\\_waste.html](http://www.opala.org/solid_waste/archive/How_our_City_manages_our_waste.html) We should use tried and true means before wasting taxpayer funds on unproven and unreliable concepts (biofuels/wind/etc.) The fact that government has to offer subsidies to promote these energy systems should be proof enough that they aren't sustainable. A sustainable product/procedure pays for itself. Man-made climate change is a hoax and only deniers cling to a belief in its existence. The people altering the data to promote "man made global warming" were exposed years ago although proponents try to keep the illusion alive but had to change the terminology to "climate change" since there hasn't been warming in quite a while.

<http://www.forbes.com/sites/peterferrara/2012/03/01/fakegate-the-obnoxious-fabrication-of-global-warming/> and

[http://www.traditioninaction.org/Cultural/E042\\_Global-2.htm](http://www.traditioninaction.org/Cultural/E042_Global-2.htm) Those who work in the automation field know, garbage in -- garbage out. The computer models are faulty. We should not base our economy on bad data/models. There was warmer climate in the Middle Ages before the global population reached current numbers and before we were commuting in cars. Volcano's contribute more CO2 into the atmosphere than man. Work on solving the volcano "vog" problem. Pushing wind and solar (energy sources from the Middle ages) is not sustainable. They are not continuous nor reliable. Government

should stay out of the energy business since they are so poor at identifying effective solutions. Let private industry waste their own funds and profit if/when they find effective alternatives. Stop wasting taxpayer hard earned funds investing in companies destined to fail. <http://dailycaller.com/2012/10/30/as-many-as-fifty-obama-backed-green-energy-companies-bankrupt-or-troubled/> Furthermore, stop promoting "green" solutions. "Green" has no meaning other than more costly than normal solutions. It was found that building designated as "green" used more energy than those buildings that were not designated as "green." <http://dailycaller.com/2014/03/02/report-dcs-green-approved-buildings-using-more-energy/> Our youth are being brainwashed into thinking "green" solutions are sustainable when they are not. "Green" technologies are wealth redistribution schemes. Environmentalism is a belief system similar to a religion. Do not impose a state sanctioned "religion" on all residents of Hawaii. The faulty reasoning of environmentalists should not be the basis of our economic planning. Environmentalists surmise that we have evolved to our current state due to the survival of the fittest. Yet, they impose restrictions to protect weak species at the cost of the strong ones (humanity). They say they are for renewable resources and then don't promote forest harvesting which causes the loss of more trees, lives (animal and human) and resources (fuel/water/etc) to put out the fires caused because the trees are not thinned, cut and replanted. They want to ban plastic and paper bags and promote "reusable bags" when the reusable ones are unsanitary and have a bigger carbon footprint than the plastic and paper. It seems that the environmentalists may be the cause of damage to the environment by not letting humans to wisely use our natural resources. Environmentalism is not a sound ideology to force on all residents of the state. Finally, public private partnership should be avoided since they are nothing more than crony capitalism. We have been reading about the "pay to play" schemes in recent Star Advertiser headlines -- donate to a campaign and get transit oriented development contracts. For these and other reasons, do not pass S.C. R. 69.