

SB-3001-SD-2

Submitted on: 3/13/2018 10:25:59 PM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Melodie Aduja	OCC Legislative Priorities Committee, Democratic Party of Hawai'i	Support	No

Comments:

To the Honorable Chris Lee, Chair; the Honorable Nicole E. Lowen, Vice-Chair, and Members of the House Committee on Energy & Environmental Protection:

To the Honorable Cindy Evans, Chair; the Honorable Jarrett Keohokalole, Vice-Chair, and Members of the House Committee on Economic Development & Business:

Good morning, my name is Melodie Aduja. I serve as Chair of the Oahu County Committee ("OCC") Legislative Priorities Committee of the Democratic Party of Hawaii. Thank you for the opportunity to provide written testimony on **SB3001 SD2**, relating to Alternate Energy Research and Development Pilot Program and an appropriation.

The OCC Legislative Priorities Committee is in favor of **SB3001 SD2**, and support its passage.

SB3001 SD2 is in accord with the Platform of the Democratic Party of), 2016, as it establishes an Alternative Energy Research and Development Pilot Program and appropriates moneys for grants under the pilot program, and repeals the pilot program on 6/30/2020.

Specifically, the DPH Platform states that "[w]e seek to achieve energy sustainability based on renewable energy sources. We must encourage the use of clean alternative fuel sources to include our public transportation systems. We must increase the use of public transit, telecommuting, car and vanpooling, ridesharing, biking, walking, and other forms of transportation thereby reducing traffic congestion and air pollution. We must also urgently develop the use of a variety of cost-effective energy providing systems, encourage transit-oriented development, and support tax incentives that encourage renewable energy initiatives.

We oppose any tax breaks to fossil fuel industries.

We support energy independence, self-sufficiency, affordability and reliability for Hawai'i through the development of renewable alternative energy sources.

Specifically, we need to support policies that foster the development of energy production methods that de-emphasize carbon based fuels and promote renewable sources such as wind, solar, wave, geothermal and Ocean Thermal Energy Conversion (OTEC).

Electricity rates in Hawaii are among the highest in the nation despite the fact that we enjoy an abundance of sunshine year round. Electric utility companies and cooperatives must open the grid to alternative power sources including solar panels and geothermal energy. We support the effort of our government officials to require utilities to provide for the maximum, comprehensive, integrated use of renewable energy and associated technologies such as storage and smart grid technologies." (Platform of the DPH, PP.8-9, Lines 443-462 (2016)).

Given that **SB3001 SD2** establishes an Alternative Energy Research and Development Pilot Program and appropriates moneys for grants under the pilot program, and repeals the pilot program on 6/30/2020, it is the position of the OCC Legislative Priorities Committee to support this measure.

Thank you very much for your kind consideration.

Sincerely yours,

/s/ Melodie Aduja

Melodie Aduja, Chair, OCC Legislative Priorities Committee

Email: legislativepriorities@gmail.com, Text/Tel.: (808) 258-8889



Written Statement of
Robbie Melton
Executive Director & CEO
Hawaii Technology Development Corporation
before the
House Committee on Energy & Environmental Protection
And
House Committee on Economic Development & Business
Thursday, March 15, 2018
8:35 a.m.
State Capitol, Conference Room 325

In consideration of
SB3001, SD2
RELATING TO ENERGY

Chairs Lee and Evans, Vice Chairs Lowen and Keohokalole, and Members of the Committees.

The Hawaii Technology Development Corporation (HTDC) **supports** SB3001, SD2 that establishes an Alternative Energy Research and Development Pilot Program and appropriates moneys for grants under the pilot program.

As part of HTDC's vision to create 80,000 new innovation jobs in Hawaii earning \$80,000 or more by 2030, HTDC supports initiatives aimed at promoting technology and innovation jobs. The measure reestablishes the matching grant program originally created under Act 159, Session Laws of Hawaii 2015.

In FY17 HTDC awarded \$950,000 to 3 companies who secured \$10.2 million in federal contracts and projected 45 new jobs. HTDC believes the program supports the growth of companies with innovative renewable energy technologies in the State and moves Hawaii closer to its clean energy goal of 100 percent renewable energy by 2045.

We support this initiative as long as it does not replace our priorities requested in the Executive Budget. We respectfully request correction of the defective effective date. Thank you for the opportunity to offer these comments.

SB-3001-SD-2

Submitted on: 3/12/2018 8:19:38 PM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
ann chung	Navatek	Support	Yes

Comments:

Dear Chairs Lee and Evans and members of EEP and EDB Committees:

Navatek **strongly supports** SB3001 SD2. Companies doing critical research in clean energy technologies are bringing in large numbers of federal funding to Hawaii and creating the high-skilled, high-paying jobs our workers need. This program supports and strengthens these efforts to further encourage high-impact, clean energy solutions not only proving that Hawaii is an ideal laboratory for the development of clean energy technologies but also creating economic growth and jobs.

Mahalo for the opportunity to testify.



Chamber of Commerce HAWAII
The Voice of Business

**Testimony to the House Committee on Energy & Environmental Protection
and Economic Development & Business
Thursday, March 15, 2018 at 8:35 A.M.
Conference Room 325, State Capitol**

RE: SENATE BILL 3001 SD2 RELATING TO ENERGY

Chairs Lee and Evans, Vice Chairs Lowen and Keohokalole, and Members of the Committee:

The Chamber of Commerce Hawaii ("The Chamber") **supports** SB 3001 SD2, which establishes an Alternative Energy Research and Development Pilot Program and appropriates moneys for grants under the pilot program.

The Chamber is Hawaii's leading statewide business advocacy organization, representing about 2,000+ businesses. Approximately 80% of our members are small businesses with less than 20 employees. As the "Voice of Business" in Hawaii, the organization works on behalf of members and the entire business community to improve the state's economic climate and to foster positive action on issues of common concern.

The Chamber supports the State's efforts to promote and foster innovation research and development in alternative energy in Hawaii. The Chamber supports this legislation provided that it offers adequate funding and does not adversely impact HTDC's priorities in the Executive Budget.

Thank you for the opportunity to testify.



Statement of
Duke Hartman, P.E.
Vice President, Business Development
Makai Ocean Engineering, Inc.
before the
COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION
And the
COMMITTEE ON ECONOMIC DEVELOPMENT & BUSINESS
Thursday, March 15, 2018
08:35 am
State Capitol, Conference Room 325
In consideration of
SB 3001 SD2
RELATING TO ENERGY

Chair Lee, Vice Chair Lowen and members of the Committee on Energy & Environmental Protection, and
Chair Evans, Vice Chair Keohokalole, and members of the Committee on Economic Development & Business:

Makai Ocean Engineering, Inc. **STRONGLY SUPPORTS SB 3001 SD2** that re-establishes the Alternative Energy Research and Development Pilot Program and appropriates funds for the Program.

Makai is a locally-owned and operated technology company based in Hawai`i for over 44 years. A driving reason for Makai's existence is to help Hawai`i achieve energy independence using clean, alternative and renewable resources. Hawai`i is blessed with abundant natural resources such as wind, solar, geothermal, hydro, biofuels, and ocean energy. While wind and especially solar contributions to the energy portfolio are now commercial and have grown significantly, other options like ocean energy have the potential to massively contribute to the supply of base load / firm / constant renewable power, but are worryingly underrepresented. These technologies are at the same maturity level that solar and wind was 20 years ago, and require R&D to reach commercialization.

Makai is currently performing R&D and working towards commercialization of ocean thermal energy conversion (OTEC) and at the Natural Energy Laboratory of Hawai`i Authority (NELHA) in Kailua-Kona. Makai employs eight highly-paid, highly-skilled engineers and scientists in the high tech / renewable energy field in rural Kailua-Kona. This program has achieved a huge milestone of connecting to the grid, making Hawai`i the home of the world's largest operational OTEC plant, and the clear leader in the emerging market of ocean thermal energy. Plans are in the works to move this technology even further ahead.

Governor David Ige was present to dedicate the power plant and 'flip the switch,' and in his keynote address he said, "One big difference with OTEC is that it is a firm power source; it



allows us to generate electricity consistently... and in the evening hours when other renewable sources are not available, which really is the key to a 100% renewable future.”

With the help of programs like this bill, Makai has been able to secure additional competitively awarded federal funding from the U.S. Navy, and bring home national honors, such as the Small Business Administration’s Tibbetts Award, recognizing success in commercializing federal R&D, which ultimately increases taxable revenue for the state.

This is why we **STRONGLY SUPPORT SB 3001 SD2**, and we respectfully request to **ADD** the phrase, “and the same sum or so much thereof as may be necessary for fiscal year 2019-2020” in **FOUR** places **AFTER** the words “fiscal year 2018-2019”:

- Page 4 line 9
- Page 4 line 15
- Page 5 line 20
- Page 6 line 5

Thank you for the opportunity to offer these comments.

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SB-3001-SD-2

Submitted on: 3/14/2018 9:42:16 PM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Brodie Lockard	350Hawaii	Support	No

Comments:

SB-3001-SD-2

Submitted on: 3/12/2018 6:20:44 PM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Benton Kealii Pang, Ph.D.	Individual	Support	No

Comments:

SB-3001-SD-2

Submitted on: 3/12/2018 8:25:11 PM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Susan Matsuura	Individual	Support	No

Comments:

Strongly support

SB-3001-SD-2

Submitted on: 3/12/2018 8:25:11 PM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Susan Matsuura	Individual	Support	No

Comments:

Strongly support

SB-3001-SD-2

Submitted on: 3/12/2018 8:30:55 PM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Eric Schiff	Individual	Support	No

Comments:

I strongly support SB3001.

SB-3001-SD-2

Submitted on: 3/12/2018 9:29:25 PM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Erica Scott	Individual	Support	No

Comments:

SB-3001-SD-2

Submitted on: 3/13/2018 7:35:03 AM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Leah Ablen	Individual	Support	No

Comments:

This bill supports the technology industry in Hawaii, which is sorely needed to diversify our economy, create high-paying jobs for our keiki, and reverse the brain drain. For these reasons I STRONGLY SUPPORT this bill!

SB-3001-SD-2

Submitted on: 3/13/2018 8:16:02 AM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Gary Shimosono	Individual	Support	No

Comments:

Strong support

SB-3001-SD-2

Submitted on: 3/13/2018 1:12:44 PM

Testimony for EEP on 3/15/2018 8:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Audra White	Individual	Support	No

Comments:

I Strongly Support SB3001!