

TODD NACAPUY CHIEF INFORMATION OFFICER

STATE OF HAWAI'I OFFICE OF ENTERPRISE TECHNOLOGY SERVICES

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Testimony of TODD NACAPUY Chief Information Officer, State of Hawai'i

Before the

SENATE COMMITTEE ON WAYS AND MEANS Friday, March 31, 2017; 9:30 a.m. State Capitol, Conference Room 211

HOUSE BILL NO. 1329, H.D. 1, S.D. 1 RELATING TO TECHNOLOGY DEVELOPMENT

Chair Tokuda, Vice Chair Dela Cruz, and Members of the Committee:

I am Todd Nacapuy, Chief Information Officer of the State of Hawai'i and head of the Office of Enterprise Technology Services (ETS), testifying in **strong support** of House Bill No. 1329, H.D. 1, S.D. 1, Relating to Technology Development, which appropriates funds for grants to participants in application challenges so that the proof of concepts created during the challenges can be developed into prototypes suitable for local and state government.

One such application challenge is the Hawai'i Annual Code Challenge (HACC), the result of collaboration across public and private sectors. In coordinating the inaugural event in August 2016, ETS partnered with the High Technology Development Corporation (HTDC) and various other departments and agencies, as well as community partners, to engage the local tech community in promoting an efficient, effective and open government. The purpose of the HACC was to bring Hawai'i talent together to develop modern tools and applications to provide enhanced government services to the public. Approximately 220 coders and innovators answered the call, with 27 teams presenting solutions aimed at tackling challenges that ranged from addressing homelessness, to providing a database helping businesses find locally grown or produced products, to improving jail facility visitation scheduling.

ETS looks forward to continuing to work with HTDC and our other partners to ensure success for future events that similarly benefit not only participants but all users of State government services.

Thank you for this opportunity to testify in strong support of this bill.

DAVID Y. IGE GOVERNOR

LAW CENTER FOR THE PUBLIC INTEREST

700 Bishop Street, Suite 1701 Honolulu, HI 96813 Office: (808) 531-4000 Fax: (808) 380-3580 info@civilbeatlawcenter.org

Senate Committee on Ways and Means Honorable Jill N. Tokuda, Chair Honorable Donovan M. Dela Cruz, Vice Chair

RE: Testimony Supporting H.B. 1329 H.D. 1 S.D. 1, Relating to Technology Development Hearing: March 31, 2017 at 9:30 a.m.

Dear Chair and Members of the Committee:

My name is Brian Black. I am the Executive Director of the Civil Beat Law Center for the Public Interest, a nonprofit organization whose primary mission concerns solutions that promote governmental transparency. Thank you for the opportunity to submit testimony **supporting H.B. 1329 H.D. 1 S.D. 1**.

Hawaii's application challenges provide an opportunity for private-sector technology professionals to work with government agencies on solutions to make sense out of Hawaii's open datasets. Making government information publicly accessible is only the first step toward an informed citizenry. Especially with complex big data, the public needs tools to help process the information. These projects help close that gap.

But the proof-of-concept from application challenges falls short of creating a functional solution. The proposed appropriation in H.B. 1329 H.D. 1 S.D. 1 for a grants program will advance meaningful transparency for government data.

Thank you again for the opportunity to testify.



March 29, 2017

Statement of: **Burt Lum, Executive Director, Hawaii Open Data** Testimony presented before the

Senate Committee on Ways and Means Friday, March 31, 2017, 9:30 a.m. State Capitol, Conference Room 211

In consideration of HB1329 HD1 SD1 RELATING TO TECHNOLOGY DEVELOPMENT.

Chair Jill Tokuda, Vice Chair Donovan Dela Cruz, and Members of Way and Means:

I, Burt Lum, Executive Director of Hawaii Open Data, offer my **Strong Support** for HB1329 HD1 SD1 that establishes a program to be administered by the High Tech Development Corporation to provide grants and mentorship to teams that develop proof of concepts resulting from application challenges that drive civic innovation in Hawaii.

These application challenges are a unique opportunity for the tech and startup community to collaborate with government departments to develop innovative solutions to some of the pressing social challenges facing Hawaii.

HB1329 HD1 SD1 is necessary because hackathons like the Hawaii Annual Code Challenge, Reboot the Commute and the AT&T Hackathon, even after 30-days only produce, at best, proof of concepts, but are not complete products. This appropriation bridges the known gap between proof of concept, prototype and commercial product. It not only offers a pathway for the development of civic tech but also enables the teams to evolve into startup businesses.

As part of this program a matching amount, not to exceed 50% of the appropriated amount, will be sought from corporate, philanthropic, and other non-government sources.

Thank you for the opportunity to offer this testimony.



2800 Woodlawn, Ste. 100 808-539-3806 Honolulu, Hawaii 96822 www.htdc.org

Written Statement of **Robbie Melton** Executive Director & CEO High Technology Development Corporation before the **Senate Committee on Ways and Means**

Friday, March 31, 2017 9:30 a.m. State Capitol, Conference Room 211

In consideration of HB1329 HD1 SD1 RELATING TO TECHNOLOGY DEVELOPMENT.

Chair Tokuda, Vice Chair Dela Cruz, and Members of the Committee on Ways and Means.

The High Technology Development Corporation (HTDC) **supports** HB1329 HD1 SD1 that appropriates funds for grants to participants in application challenges so that the proof of concepts created during the challenges can be developed into prototypes suitable for local and state government.

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 Hawaii Annual Code Challenge is a "hackathon" style competition aimed at promoting civic engagement, open government, and finding innovative solutions for some of government's challenges. Hackathon events are designed to rapidly create early proof of concept projects of potential solutions without regard to quality control testing, optimization, or completeness. The rapid development allows teams to present their ideas for user input and feedback. This technique is often used as an agile approach to commercial software development with subsequent iterations providing optimization and quality control.

While the primary goals of the Hawaii Annual Code Challenge (HACC) is to engage the local tech community in the modernization of Hawaii state government, there are greater opportunities to develop some of the projects into solutions that government can benefit from. The bill appropriates funds to build upon the success of the HACC and other hackathon events. It will also assist in strengthening the tech community.

To further support our collaborative efforts with ETS, we suggest that the committee consider amending Section 2, subsection (b) to explicitly allow for the use of funds toward enhancing the HACC event as a venue for innovation and the sharing of ideas, as follows:

(b) The high technology development corporation may expend some of the funds appropriated by this Act **to support event production**, to manage the prototype implementation process, and to execute an adoption plan for the project, including marketing, outreach, **logistics**, and communications.

We respectfully request correction of the defective effective date. We support this initiative as long as it does not replace our priorities requested in the Executive Budget. HTDC comments that \$250k may be an appropriate amount to fund this program. Thank you for the opportunity to offer these comments.

Statement of: Andrew Wong, Software Developer Testimony presented before the

Senate Committee on Ways and Means Friday, March 31, 2017, 9:30 a.m. State Capitol, Conference Room 211

In consideration of HB1329 HD1 SD1 RELATING TO TECHNOLOGY DEVELOPMENT.

Chair Jill Tokuda, Vice Chair Donovan Dela Cruz, and Members of Way and Means:

I, Andrew Wong, offer my **Strong Support** for HB1329 HD1 SD1 that establishes a program to be administered by the High Tech Development Corporation to provide grants and mentorship to teams that develop proof of concepts resulting from Application Challenges that drive civic innovation in Hawaii.

Providing continued funding for hackathons would certainly help to catalyze innovation and provide a pathway for valuable prototypes to get implemented. This program would also encourage civic engagement and encourages the collaboration between the community and government.

In my view, supporting this program would reap financial benefits for the state as follows:

- Attracting local talent via the prizes and food at such events,
- Helping possible business ventures make the leap between idea and development with aid in funding, and
- Helping other departments with the ability to try new ideas without heavily investing in them (via hackathon prototypes).

Although many software developers such as myself philanthropically participate in hackathons to help the greater good of the community, I personally do not feel we should incur much cost to participate in these. Supporting funding here would help to subsidize, or possibly even eliminate, such costs incurred, either via grants, prizes, or even a free meal (which, to a college student doing this for experience, goes a long way).

Thank you for the opportunity to offer this testimony.

From:	mailinglist@capitol.hawaii.gov		
Sent:	Wednesday, March 29, 2017 11:05 PM		
То:	WAM Testimony		
Cc:	hawaiifishingfanatic@gmail.com		
Subject:	Submitted testimony for HB1329 on Mar 31, 2017 09:30AM		

<u>HB1329</u>

Submitted on: 3/29/2017 Testimony for WAM on Mar 31, 2017 09:30AM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Don Aweau	Individual	Support	Yes

Comments: Chair Jill Tokuda, Vice Chair Donovan Dela Cruz, and Members of Way and Means: In steadfast support for HB1329 HD1 SD1 that establishes a program to be administered by the High Tech Development Corporation to provide grants and mentorship to teams that develop proof of concepts resulting from Application Challenges that drive civic innovation in Hawaii. These application challenges are a unique opportunity for the tech and startup community to collaborate with government departments to develop innovative solutions to some of the pressing social challenges facing Hawaii. HB1329 HD1 SD1 is necessary because hackathons like the Hawaii Annual Code Challenge, Reboot the Commute and the AT&T Hackathon, even after 30days only produce, at best, proof of concepts, but are not complete products. This appropriation bridges the known gap between proof of concept, prototype and commercial product. It not only offers a pathway for the development of civic tech but also enables the teams to evolve into startup businesses. As part of this program a matching amount, not to exceed 50% of the appropriated amount, will be sought from corporate, philanthropic, and other non-government sources. Thank you for the opportunity to offer this testimony.

Please note that testimony submitted <u>less than 24 hours prior to the hearing</u>, 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.

Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

March 30, 2017

The Honorable Jill Tokuda Chairperson Senate Committee on Ways and Means State Capitol Honolulu, Hawai'i 96813

SUBJECT: Testimony on House Bill 1329, HD1, SD1, Relating to Technology Development

Dear Chair Tokuda and Committee Members:

I write in support of HB 1329, HD1, SD1. The bill provides funding for grants to participants in "hackathons" to develop proof of concepts that can lead to development of prototypes for local and state government use.

I am a board member of the High Technology Development Corporation (HTDC). I sought membership on the board because I believe in the power of innovation to find creative solutions to longstanding problems. I applaud Governor Ige for supporting the application of the same innovative processes engaged in by entrepreneurs to the public sector. Simply coming up with an idea does not lead to a solution, however. Ideas need to be tested and refined. This bill would provide financial support to take creative ideas to the next level, possibly leading to solutions to problems that, in the long run, will save taxpayer money and improve delivery of government services. I humbly ask for your vote in favor of the bill.

Thank you for the opportunity to testify.

Sincerely,

Elijah Yip

From: lauren@reef.vc <Lauren Primiano>

Message:

Teams that would receive funding from this program will grow the number of startups in Hawaii that can then plug into the existing infrastructure of workforce development, accelerator programs and venture capital funds to support the further growth and ultimate success of their Hawaii-based business. This activity strengthens the existing efforts of growing our innovation economy, which have been successfully funded and supported by the HI Growth Initiative, University of Hawaii system, 80/80 initiative, Hawaii Business Roundtable and Chamber of Commerce of Hawaii. Continued funding of these programs, as well as new initiatives such as HB 1329, are paramount to the continued growth of Hawaii's innovation economy. Thank you for the opportunity to provide testimony on this matter.

Testimony presented before the

Senate Committee on Ways and Means

Friday, March 31, 2017, 9:30 a.m. State Capitol, Conference Room 211

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These application challenges are a unique opportunity for the tech and startup community to collaborate with government departments to develop innovative solutions to some of the pressing social challenges facing Hawaii.

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Thank you for the opportunity to offer this testimony.

Lauren Primiano

Partner

Honolulu

From: tdick@startupcv.com <Timothy Dick>

Message:

Startup Capital Ventures supports HB1329's critical funding for the HI Growth Initiative. HI Growth has been instrumental in establishing Hawaii's entrepreneurial ecosystem and supporting its development into a nascent but viable high-salary industry. These kinds of jobs are critical to growing high-wage employment in Hawaii. SCV has been investing in Hawaii startups since 2005 and have just invested in our fifth Hawaii startup. We support Hawaii's entrepreneurial ecosystem as the "bridge to mainland capital." We are strong community members and have been board members of HVCA, HiBEAM and EFHawaii since 2001. The private sector has invested in several local startups and investment funds due to Hi Growth's catalization of external professional capital. A 2016 UHERO report showed the HI Growth Initiative produced a 12X leverage on state dollars proving the effectiveness of HI Growth's seed capital. We urge the legislature to approve this bill. Mahalo.

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Thank you for the opportunity to offer this testimony.

Timothy Dick

Managing Director

Honolulu

From: jrobinson@nesteggguru.com <J.R. Robinson>

Message:

Technology is and will continue to affect virtually every aspect of everyday life. Virtually all of America's largest cities have gone out of their way to foster a vibrant tech community, and Honolulu should be no different. While our nascent tech community is small relative to other cities our size, high profile accelerators such as Blue Startups and XLR8UH do much to show the world that we are relevant and forward thinking. Money allocated to tech in Hawaii is stimulative insofar as it is largely spent in the local economy. That has certainly been the case with my business. Thank you!

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Thank you for the opportunity to offer this testimony.

J.R. Robinson

Co-founder, CEO

Honolulu

From: andrew@benja.co <Andrew Chapin>

Message:

As the CEO of a Blue Startups company, I have seen the impact of the Hawaiian innovation sector. One of Hawaii's great natural resources is the group of experienced business leaders and energy around the sector - efforts like this help enable these resources to find real value for the state.

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Thank you for the opportunity to offer this testimony.

Andrew Chapin

San Francisco

California

From: chin@hawaii.edu <David Chin>

Message:

Very often hackathons will produce apps that are great for Hawaii citizens to use, but there is no financial model to allow the inventors to continue development and support for the innovative app. Likewise there are no mechanisms in the State or City governments to do so either even though the government department would like to support it. This bill would create such a mechanism and keep future innovations from being wasted.

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Thank you for the opportunity to offer this testimony.

David Chin

Honolulu

From: daniel@mailgapp.com <Daniel Kaneshiro>

Message:

Innovation and technology has always taken a back seat to tourism, construction, and military spending. Now is the time to invest in the industry that will return the greatest ROI.

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Thank you for the opportunity to offer this testimony.

Daniel Kaneshiro

Honolulu

From: kokua@purplemaia.org <Donavan Kealoha>

Message:

I strongly support this bill to encourage innovation that serves the community.

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Thank you for the opportunity to offer this testimony.

Donavan Kealoha

Aiea

From: kory@ujoin.co <Kory Payne>

Message:

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Thank you for the opportunity to offer this testimony.

Kory Payne

Co-Founder, CEO, Ujoin

Waialua

From: pdonnelly@ddcf.org <Paige Donnelly>

Message:

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Thank you for the opportunity to offer this testimony.

Paige Donnelly

Honolulu

From: edward_ontai@datahouse.com <Edward Ontai>

Message:

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Edward Ontai

Honolulu