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TO THE HOUSE COMMITTEE ON
ECONOMIC DEVELOPMENT AND BUSINESS

TWENTY-NINTH LEGISLATURE
Regular Session of 2018

Wednesday, March 21, 2018
9:50 a.m.

WRITTEN TESTIMONY ONLY

**TESTIMONY ON S.B. NO. 2902, S.D. 2, RELATING TO TECHNOLOGY
DEVELOPMENT.**

TO THE HONORABLE CINDY EVANS, CHAIR, AND MEMBERS OF THE
COMMITTEE:

The Department of Commerce and Consumer Affairs (“Department”) appreciates the opportunity to provide written testimony in support of S.B. 2902, S.D. 2, Relating to Technology Development. My name is Ji Sook “Lisa” Kim, and I am the Administrator of the Department’s Cable Television Division.

This bill, which is a companion to H.B. 2080, appropriates funds to the Hawaii Technology Development Corporation for grantmaking and other costs associated with software application challenges, where proofs of concept may be developed into prototypes suitable for local and state government use. S.D. 2 changes the effective date to July 1, 2050, to facilitate further discussion.

Consistent with its broadband-related duties, the Department continuously looks for opportunities to advocate for and facilitate the deployment of expanded broadband applications, programs, and services that will bolster the usage of and demand for

broadband. The Enterprise Technology Services' sponsored 2017 Hawaii Annual Code Challenge ("HACC") presented such an opportunity, as it engaged the local tech community in modernizing state government to develop innovative tools and applications to provide enhanced government services to the public and to drive civic engagement. Through the Department's participation in the HACC as a pitching agency, the Department witnessed the strength of this event in promoting the development of broadband-level applications, as well as in providing agencies the opportunity to collaborate with HACC participants to gain insights on the development and use of software applications to support their respective duties and activities.

This bill would further the benefits these types of software application challenges could achieve, by providing funding that will allow for future application challenges and by allowing participants to develop their proof of concepts into prototypes. The Department thus strongly supports this measure because of the direct impact it could have on deploying software applications that bolster the use of and demand for broadband.

Thank you for this opportunity to provide written testimony in support of this bill.

DAVID Y. IGE
GOVERNOR



TODD NACAPUY
CHIEF INFORMATION
OFFICER

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LATE

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

Before the

HOUSE COMMITTEE ON ECONOMIC DEVELOPMENT & BUSINESS

Wednesday, March 21, 2018

9:50 A.M.

State Capitol, Conference Room 309

SENATE BILL NO. 2902, SD2
RELATING TO TECHNOLOGY DEVELOPMENT

Dear Chair Evans, Vice Chair Keohokalole, and members of the committee:

I am Todd Nacapuy, Chief Information Officer for the State of Hawai'i and head of the Office of Enterprise Technology Services (ETS), testifying in **support** of Senate Bill No. 2902 SD2, Relating to Technology Development, which appropriates funds for grants to participants in application challenges so that the proof of concepts created during those challenges can be developed into prototypes suitable for local and state government use.

The Hawai'i Annual Code Challenge (HACC), inaugurating in summer 2016 and continuing in summer 2017, was the result of collaboration across public and private sectors. ETS partnered with the Hawaii 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 use modern tools and applications to enhance government services delivered to the public. Approximately 220 coders and innovators answered the call in 2016, followed by more than 300 in 2017, who developed solutions which addressed problems and challenges posed by government agencies and non-profit organizations that support government activities.

ETS looks forward to continuing to work with HTDC and our other community 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 support of this bill.



LATE

March 20, 2018

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

House Committee on Economic Development and Business
Wednesday, March 21, 2018, 9:50 a.m.
State Capitol, Conference Room 309

In consideration of
SB2902 SD2
RELATING TO TECHNOLOGY DEVELOPMENT.

Chair Evans, Vice Chair Keohokalole and Members of the Committee on Economic Development and Business:

I, Burt Lum, Executive Director of Hawaii Open Data, offer my **Strong Support** for SB2902 SD2 that establishes a program to be administered by the Hawaii Tech Development Corporation to provide grants and mentorship to teams that develop proof of concepts resulting from hackathons and code challenges in Hawaii.

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

As a co-host of Bytemarks Cafe on Hawaii Public Radio and as the Executive Director of Hawaii Open Data, a non-profit dedicated to advancing open data principles, I've seen the growth of startups, meetups, hackathons, collaborations and innovations across the Hawaii business landscape. This vibrant entrepreneurial ecosystem is critical to building a sustainable technology sector and I believe this program is another key component of this ecosystem.

SB2902 SD2 is necessary because hackathons like the Hawaii Annual Code Challenge, even after 30-days, only produce at best, proof of concepts that are not complete products. This grant program 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 a startup businesses and to drive economic development in Hawaii.

Thank you for the opportunity to offer this testimony in **support** of SB2902 SD2.

March 21, 2018

Representative Cindy Evans, Chair
Representative Jarrett Keohokalole, Vice Chair
House Committee on Economic Development and Business
Conference Room 309
Hawai'i State Capitol
Honolulu, HI 96813
RE: Testimony on SB 2902 SD2 – RELATING TO TECHNOLOGY DEVELOPMENT

Chair Evans, Vice Chair Keohokalole and Members of the Committee:

My name is Christine Sakuda and I serve as the executive director of Transform Hawai'i Government (THG), a coalition of organizations and individuals who believe in improving government services for every Hawaii resident on every island. THG **strongly supports** SB 2902 SD2, which appropriates funds for grants to participants in software application challenges so that the proofs of concept created during the challenges can be developed into prototypes suitable for local and state government.

These challenges, such as the Hawaii Annual Code Challenge and the Agricultural Code Challenge known as the AGathon, engage the technology development community and state government agencies in collaborative efforts to develop innovative solutions to an array of issues facing our state. Application challenges are intended to generate proofs of concepts, but not complete or even prototype products. Without additional resources, the fruition of these proofs of concepts and their potential benefits cannot be realized.

The appropriation provided by this measure bridges the existing gap between a proof of concept, a prototype and a commercial product. Moreover, it not only creates a pathway for the development of civic technology but also enables the teams themselves to evolve into startup businesses. Accordingly, these challenges, when coupled with the appropriation provided by this measure, further both business and workforce development in our state.

THG also supports the provisions regarding the use of funds for the identified purposes and the prescribed leveraging of matching funds to extend the impact of this appropriation.

Thank you for the opportunity to provide THG's input on this important bill.



House of Representatives

COMMITTEE ON ECONOMIC DEVELOPMENT & BUSINESS

Rep. Cindy Evans, Chair

Rep. Jarrett Keohokalole, Vice Chair

Rep. Daniel Holt

Rep. Kyle T. Yamashita

Rep. Linda Ichiyama

Rep. Lauren Kealohilani Matsumoto

Rep. Aaron Ling Johanson

**Wednesday, March 21, 2018, 9:50AM
State Capitol, Conference Room 309**

**In consideration of
SB2902, SD2**

RELATING TO TECHNOLOGY DEVELOPMENT

We support the creation of a fund (and requires matching private funds) that grants participants in software application challenges so that the proofs of concept created during the challenges can be developed into prototypes suitable for local and state government.

DevLeague (<http://www.devleague.com/>) is the premier technical boot camp in the Pacific designed to provide mentorship and training to motivated individuals seeking a career change. We design our own curriculum based on relevant industry standards, teach in-demand technical skills such as JavaScript Web Engineer, Cyber Security Professional, Big Data Analyst and Enterprise Software Developer to help our adult students onboard with career starts into the software industry.

For the last four years, DevLeague has created, lead and participated in global, mainland, state-wide and local software development related hackathons. We were the technical founding members in Hawaii Annual Coding Challenge (HACC) in 2016 and 2017 and the Hawaii chapter of the NASA Space Apps Challenge in 2016 and 2017. We actively participate in hackathons such as AT&T hackathon, Global Game Jam, and Uber-DevLeague hackathon.

We typically field teams from our alumni and current JavaScript Web Engineer cohorts. We also field teams from middle and high school programs where we have Jr DevLeague courses at DOE public schools. The latter gives exposure to students whose first experience in a hackathon will be in front of their classmates, friends and family. Some of these student teams have won first, second and third place in the hackathons.



The proof of concepts and prototypes built in these three-day to one-month long hackathons, such as HACC, are often missing key features and functionality such that participants and winners still need much more development, business collaboration and funding to get it to production level where users can run the applications on a real-world basis.

Small amounts of funding with matching funds, in a private-public partnership, will enable creators of these prototypes to collaborate with sponsoring state agencies to bring software solutions to its users. This benefits the public in that it spurs civic duty, government innovation in technology and with proper seed funding, may lead teams to company formation and subsequently job creation.

Thank you for the opportunity to offer this testimony.

Mahalo!

A handwritten signature in black ink, appearing to read "Russel Cheng". The signature is fluid and cursive, with a long horizontal stroke at the end.

Russel Cheng
Co-founder, Director

LATE

SB-2902-SD-2

Submitted on: 3/21/2018 3:30:41 AM

Testimony for EDB on 3/21/2018 9:50:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Melodie Aduja	Oahu County Committee on Legislative Priorities of the Democratic Party of Hawai'i	Support	No

Comments: