

HB-875

Submitted on: 2/2/2019 2:40:26 PM

Testimony for EDB on 2/6/2019 10:10:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
cheryl	Individual	Oppose	No

Comments:

Hawai`i Island continues to be abused by people who have no understanding of the connection of the land and its people. At some point in time, it would behoove the elected officials to look at the lands and see that at the rate that you all keep giving it away (or trying to do so) , there will be no where left for anyone. Just because Mauna Kea, Mauna Loa and other places on Hawai`i Island may not be habitable by the being called, human it does not mean that it is not important to our lives. PLEASE JUST stop putting profit, the US military and govt., Foreign governments and corporations before those of us who live here. Do you know how many bills right now, similar to this one are attacks on our land and resources? Try look and JUST STOP.

HB-875

Submitted on: 2/3/2019 7:11:37 PM

Testimony for EDB on 2/6/2019 10:10:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Chris Wells	Individual	Support	No

Comments:



Pacific International
Space Center for
Exploration Systems

LATE

Statement of
Rodrigo Romo
Program Director
Pacific International Space Center for Explorations Systems (PISCES),
Before the
Committee on Economic Development & Business
Wednesday, February 6th, 2019 @ 10:10
State Capitol, Conference Room 309

In consideration of
HB875
RELATING TO THE INTERNATIONAL MOON BASE ALLIANCE

Chair McKelvey, Vice Chair Kitagawa and members of the Committee.

The purpose of this Act is to “create a committee called the international moon base alliance comprised of representatives from governmental, industrial and research institutions to provide recommendations and guidance for the development of a prototype moon base on the island of Hawaii”. PISCES is listed as one of the Hawaii-based organizations to form this committee.

PISCES agrees to support such committee within our available resources in an advisory capacity as long as none of PISCES’ funds are diverted or assigned to fund the expenses of such committee.

Thank you for this opportunity to offer comments.

Rodrigo Romo.



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

DAVID Y. IGE
GOVERNOR

MIKE MCCARTNEY
DIRECTOR

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LATE

Statement of
CHUNG I. CHANG
Office of Aerospace Development Coordinator
Department of Business, Economic Development, and Tourism
before the
HOUSE COMMITTEE ON ECONOMIC DEVELOPMENT & BUSINESS

Wednesday, February 6, 2019
10:10AM
State Capitol, Conference Room #309

In consideration of
HB 875
RELATING TO THE INTERNATIONAL MOON BASE ALLIANCE.

Chair McKelvey, Vice Chair Kitagawa and Members of the Committee. The Office of Aerospace Development (OAD) offers the following comments on HB 875, which creates a committee called the International Moon Base Alliance to provide recommendations and guidance for the development of a prototype moon base on the island of Hawaii and appropriates a sum to be expended by the OAD.

At present, the Office of Aerospace Development does not have the sufficient staff or resources to support another space committee. There is already within DBEDT, the Hawaii Aerospace Advisory Committee and the Pacific International Space Center for Exploration Systems Board, both of which may be able to provide the recommendations and guidance for the evolvable lunar architecture.

With limited resources, OAD has prioritized supporting growth of businesses that have potential to create the most jobs.

Thank you for the opportunity to testify.

LATE



Henk B. Rogers
55 Merchant Street, 17th Floor
Honolulu, HI 96813

Aloha Representatives of the Hawaii State Legislature:

I am offering my strong support of House Bill 875: A BILL FOR AN ACT RELATING TO THE INTERNATIONAL MOON BASE ALLIANCE.

I have been working to create a world class space exploration industry in Hawaii for many years. Did you know that Hawaii is one of the best places on Earth to simulate the Moon's terrain? The oceanic crust-based lava rock found on the Big Island is almost identical in composition to the rock found on the Moon (and Mars).

Hawaii can be the world leader in the settlement of the Moon and the leader in space settlement in general. I am asking for:

- Land to build the International Lunar Research Park (ILRP). There are 1,000 acres of barren lava rock terrain on the Big Island that would be ideal for this project.
- Additional funding to extend my personally funded efforts.
- Support from YOU.

In the next decade, humankind will create a permanent self-sustaining settlement on the Moon, with or without us.

China has already declared that they will do this by themselves. The United States of America must stay competitive, as the other space-faring nations (Russia, Europe, Japan, Korea, India) will be close behind.

I have been speaking at industry-leading conferences around the world to share my vision: to build Moon Base prototypes (analogs) and a research campus on the Big Island of Hawaii via a global collaboration with space agencies (i.e., NASA, the European Space Agency, Japan Aerospace Exploration Agency), companies (i.e., SpaceX, Blue Origin) and universities (i.e., MIT, Arizona State University, Stanford).

Hawaii's unique terrain on the Big Island becomes an even more compelling reason to establish a first-of-its-kind research facility.

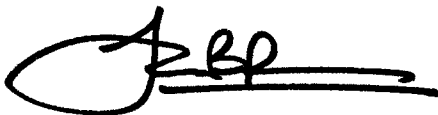
The Pacific International Space Center for Exploration Systems (PISCES) has been focused on bringing the space exploration business to Hawaii. As the Chairman of PISCES, I have been able to add my voice to the discussions along with our board members and staff. What has become abundantly clear is that in order to bring this trillion dollar industry to Hawaii, we need a magnet. The magnet is the development of the International Lunar Research Park (ILRP), with where we will develop the technologies necessary to create a permanent settlement on the moon through robotically building prototypes on the Big Island, leveraging In Situ Resource Utilization (ISRU).

We will follow strict research and development methodologies necessary for 100% reliability. These technologies include (but are not limited to) Robotics, Artificial Intelligence, Materials Science, 3D Printing, Human Factors, Underground Food Production, and Lunar Mining.

We plan to start with a NASA project codenamed "the NASA Lunar University" (NLU) which will be comprised of NASA and Hawaii subject matter experts. Ultimately, we would like to establish ongoing collaboratories between Silicon Valley based and Hawaii teams.

Hawaii's potential to be the leader in space exploration is tremendous. We need to invest in economic opportunities for our future generations beyond tourism, construction and the military, and I urge you to support this bill as an important step toward that goal.

Warmly,

A handwritten signature in black ink, appearing to read 'H. B. Rogers', with a large, stylized initial 'H' and a horizontal line extending from the end of the signature.

Henk B. Rogers
Chairman, PISCES
Founder, International MoonBase Alliance (IMA)
Board of Governors, National Space Society (NSS)
Founder, Hawaii Space Exploration Analog and Simulation (HI-SEAS)