HOUSE RESOLUTION

REQUESTING THAT THE DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT, AND TOURISM CONVENE AN INTERNATIONAL MOON BASE
ALLIANCE COMMITTEE TO PROVIDE RECOMMENDATIONS AND GUIDANCE
FOR THE DEVELOPMENT OF EVOLVABLE LUNAR ARCHITECTURE ON THE
ISLAND OF HAWAII.

WHEREAS, Hawaii has a strategic location near the equator
and in the middle of the Pacific Ocean, resident expertise in
aerospace-related technologies, and terrain that is similar to
the moon and Mars; and

WHEREAS, Hawaii has played a seminal role in the national
space program by providing astronaut training for the Apollo
lunar missions and cutting-edge applications of aerospace-
related technologies in planetary geosciences, satellite
communications, space-based remote sensing, environmental
monitoring, and deep-space surveillance; and

WHEREAS, Hawaii has long-standing ties with space-faring
nations worldwide; and

WHEREAS, the island of Hawaii's moon-like terrain provides
an ideal environment for the development, testing, and
validation of a prototype moon base that allows humans to live
on the surface of the moon to conduct research and commercial
operations, also known as evolvable lunar architecture; and

WHEREAS, the island of Hawaii can create jobs and
educational opportunities for local students, professionals, and
entrepreneurs as a venue for research related to
telecommunications, power generation, food production and life
support systems that would allow interplanetary travel; and

WHEREAS, new types of economic activity such as asteroid
mining, space-based solar power generation and the use of lunar
resources could enrich terrestrial civilization and help
preserve the Earth's fragile environment and ultimately enable sustainable human exploration to Mars and beyond; now, therefore,

BE IT RESOLVED that the House of Representatives of the Twenty-ninth Legislature of the State of Hawaii, Regular Session of 2018, that this body requests that the Department of Business, Economic Development, and Tourism convene a committee to be known as the International Moon Base Alliance, comprising representatives from government, industry, and research institutions to provide recommendations and guidance for the development of evolvable lunar architecture on the island of Hawaii; and

BE IT FURTHER RESOLVED that the Department of Business, Economic Development, and Tourism is requested to extend invitations to join the International Moon Base Alliance without compensation to representatives of relevant government, industry, and university organizations, including but not limited to:

(1) Hawaii-based organizations, including the Office of Aerospace Development, the Hawaii Aerospace Advisory Committee, the Pacific International Space Center for Exploration Systems, the Hawaii Space Laboratory at the University of Hawaii at Manoa, and the Hawaii Space Exploration Analog and Simulation program;

(2) The National Aeronautics and Space Administration, including but not limited to the Space Portal at NASA Ames Research Center and the Exploration Integration and Science Office at the Johnson Space Center;

(3) Other appropriate federal entities and national space agencies, including but not limited to the Federal Aviation Administration, United States Pacific Command, and United States Army Pacific;

(4) The Lunar Exploration and Analysis Group;

(5) The University Space Research Association, including the Lunar and Planetary Institute;
(6) Major corporations representing aerospace, information technology, renewable energy, robotics, manufacturing, and other appropriate industrial sectors;

(7) National space advocacy organizations, including the National Space Society, the Lunar Explorer Society, the Space Frontiers Foundation, and the American Astronautical Society;

(8) Global space agencies and organizations, including the United Nations Office for Outer Space Affairs, the International Lunar Exploration Working Group, the International Space Exploration Coordination Group, and the Committee on Space Research; and

(9) The Chairs of the House Committees on Economic Development and Business and Veterans, Military & International Affairs, & Culture and the Arts, and the Chair of the Senate Committee on Economic Development, Tourism, and Technology, or their designees; and

BE IT FURTHER RESOLVED that the Department of Business, Economic Development, and Tourism is requested to use its resources and technology to encourage virtual meetings in order to submit an interim report on the progress of the development of evolvable lunar architecture on the island of Hawaii to the Legislature, including any findings, recommendations, and necessary proposed legislation, no later than twenty days prior to the convening of the Regular Session of 2019, and a final report to the Legislature no later than twenty days prior to the convening of the Regular Session of 2020; and

BE IT FURTHER RESOLVED that certified copies of this Resolution be transmitted to the Governor; the Director of the Department of Business, Economic Development, and Tourism; the National Aeronautics and Space Administration; the Federal Aviation Administration; United States Pacific Command; and United States Army Pacific.