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## HOUSE CONCURRENT RESOLUTION

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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.

1 WHEREAS, Hawaii has a strategic location near the equator  
2 and in the middle of the Pacific Ocean, resident expertise in  
3 aerospace-related technologies, and terrain that is similar to  
4 the moon and Mars; and  
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6 WHEREAS, Hawaii has played a seminal role in the national  
7 space program by providing astronaut training for the Apollo  
8 lunar missions and cutting-edge applications of aerospace-  
9 related technologies in planetary geosciences, satellite  
10 communications, space-based remote sensing, environmental  
11 monitoring, and deep-space surveillance; and  
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13 WHEREAS, Hawaii has long-standing ties with space-faring  
14 nations worldwide; and  
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16 WHEREAS, the island of Hawaii's moon-like terrain provides  
17 an ideal environment for the development, testing, and  
18 validation of a prototype moon base that allows humans to live  
19 on the surface of the moon to conduct research and commercial  
20 operations, also known as evolvable lunar architecture; and  
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22 WHEREAS, the island of Hawaii can create jobs and  
23 educational opportunities for local students, professionals, and  
24 entrepreneurs as a venue for research related to  
25 telecommunications, power generation, food production and life  
26 support systems that would allow interplanetary travel; and  
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1 WHEREAS, new types of economic activity such as asteroid  
2 mining, space-based solar power generation and the use of lunar  
3 resources could enrich terrestrial civilization and help  
4 preserve the Earth's fragile environment and ultimately enable  
5 sustainable human exploration to Mars and beyond; now,  
6 therefore,  
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8 BE IT RESOLVED that the Legislature requests that the  
9 Department of Business, Economic Development, and Tourism  
10 convene a committee to be known as the International Moon Base  
11 Alliance, comprising representatives from government, industry,  
12 and research institutions to provide recommendations and  
13 guidance for the development of evolvable lunar architecture on  
14 the island of Hawaii; and  
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16 BE IT FURTHER RESOLVED that the Department of Business,  
17 Economic Development, and Tourism is requested to extend  
18 invitations to join the International Moon Base Alliance without  
19 compensation to representatives of relevant government,  
20 industry, and university organizations, including but not  
21 limited to:  
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23 (1) Hawaii-based organizations, including the Office of  
24 Aerospace Development, the Hawaii Aerospace Advisory  
25 Committee, the Pacific International Space Center for  
26 Exploration Systems, the Hawaii Space Laboratory at  
27 the University of Hawaii at Manoa, and the Hawaii  
28 Space Exploration Analog and Simulation program;  
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30 (2) The National Aeronautics and Space Administration,  
31 including but not limited to the Space Portal at NASA  
32 Ames Research Center and the Exploration Integration  
33 and Science Office at the Johnson Space Center;  
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35 (3) Other appropriate federal entities and national space  
36 agencies, including but not limited to the Federal  
37 Aviation Administration, United States Pacific  
38 Command, and United States Army Pacific;  
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40 (4) The Lunar Exploration and Analysis Group;  
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- (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; and
- (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

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 Concurrent 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.

OFFERED BY:

*Cindy Evans*

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