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# HOUSE 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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28 WHEREAS, new types of economic activity such as asteroid  
29 mining, space-based solar power generation and the use of lunar  
30 resources could enrich terrestrial civilization and help



1 preserve the Earth's fragile environment and ultimately enable  
2 sustainable human exploration to Mars and beyond; now,  
3 therefore,  
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5 BE IT RESOLVED that the House of Representatives of the  
6 Twenty-ninth Legislature of the State of Hawaii, Regular Session  
7 of 2018, that this body requests that the Department of  
8 Business, Economic Development, and Tourism convene a committee  
9 to be known as the International Moon Base Alliance, comprising  
10 representatives from government, industry, and research  
11 institutions to provide recommendations and guidance for the  
12 development of evolvable lunar architecture on the island of  
13 Hawaii; and  
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15 BE IT FURTHER RESOLVED that the Department of Business,  
16 Economic Development, and Tourism is requested to extend  
17 invitations to join the International Moon Base Alliance without  
18 compensation to representatives of relevant government,  
19 industry, and university organizations, including but not  
20 limited to:  
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- 22 (1) Hawaii-based organizations, including the Office of  
23 Aerospace Development, the Hawaii Aerospace Advisory  
24 Committee, the Pacific International Space Center for  
25 Exploration Systems, the Hawaii Space Laboratory at  
26 the University of Hawaii at Manoa, and the Hawaii  
27 Space Exploration Analog and Simulation program;  
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- 29 (2) The National Aeronautics and Space Administration,  
30 including but not limited to the Space Portal at NASA  
31 Ames Research Center and the Exploration Integration  
32 and Science Office at the Johnson Space Center;  
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- 34 (3) Other appropriate federal entities and national space  
35 agencies, including but not limited to the Federal  
36 Aviation Administration, United States Pacific  
37 Command, and United States Army Pacific;  
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- 39 (4) The Lunar Exploration and Analysis Group;  
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- 41 (5) The University Space Research Association, including  
42 the Lunar and Planetary Institute;



- 1 (6) Major corporations representing aerospace, information  
2 technology, renewable energy, robotics, manufacturing,  
3 and other appropriate industrial sectors;  
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- 5 (7) National space advocacy organizations, including the  
6 National Space Society, the Lunar Explorer Society,  
7 the Space Frontiers Foundation, and the American  
8 Astronautical Society;  
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- 10 (8) Global space agencies and organizations, including the  
11 United Nations Office for Outer Space Affairs, the  
12 International Lunar Exploration Working Group, the  
13 International Space Exploration Coordination Group,  
14 and the Committee on Space Research; and  
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- 16 (9) The Chairs of the House Committees on Economic  
17 Development and Business and Veterans, Military &  
18 International Affairs, & Culture and the Arts, and the  
19 Chair of the Senate Committee on Economic Development,  
20 Tourism, and Technology, or their designees; and  
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22 BE IT FURTHER RESOLVED that the Department of Business,  
23 Economic Development, and Tourism is requested to use its  
24 resources and technology to encourage virtual meetings in order  
25 to submit an interim report on the progress of the development  
26 of evolvable lunar architecture on the island of Hawaii to the  
27 Legislature, including any findings, recommendations, and  
28 necessary proposed legislation, no later than twenty days prior  
29 to the convening of the Regular Session of 2019, and a final  
30 report to the Legislature no later than twenty days prior to the  
31 convening of the Regular Session of 2020; and  
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33 BE IT FURTHER RESOLVED that certified copies of this  
34 Resolution be transmitted to the Governor; the Director of the  
35 Department of Business, Economic Development, and Tourism; the  
36 National Aeronautics and Space Administration; the Federal  
37 Aviation Administration; United States Pacific Command; and  
38 United States Army Pacific.

