

MAR 13 2013

SENATE CONCURRENT RESOLUTION

RECOGNIZING COMMERCIAL SPACE TRANSPORTATION AS A STRATEGIC AND
TIMELY GROWTH INDUSTRY FOR HAWAII AND REQUESTING THE STATE
ADMINISTRATION TO TAKE PROACTIVE, COORDINATED, AND
SUSTAINED ACTION TO FULLY REALIZE THE SIGNIFICANT
SCIENTIFIC, EDUCATIONAL, AND COMMERCIAL BENEFITS THAT SPACE
LAUNCH OPERATIONS AND RELATED AEROSPACE ENTERPRISE CAN
BRING TO HAWAII.

1 WHEREAS, over the past half century, space launch
2 operations have played a major role in expanding and
3 diversifying our national economy by promoting scientific and
4 technical discoveries, advancing national engineering and
5 manufacturing expertise, enhancing innovations in communications
6 and computer technologies, expanding surveillance of our planet
7 and weather forecasting, and enabling better understanding of
8 weather systems and climate change; and
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10 WHEREAS, space launch operations have precipitated the
11 growth of commercial products that have directly contributed to
12 enhancing our qualities of life, as well as provided greater
13 means and venues for the exploration of space and the expansion
14 and development of related sciences and technologies; and
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16 WHEREAS, newly-emerging commercial space launch
17 capabilities and related operations hold great potential for
18 enhancing the nation's leadership in aviation safety; global
19 security; science, technology, engineering, and mathematics
20 (STEM) education; renewable energy systems; cyber-defense for
21 power control systems; and remote sensing for management of
22 critical global resources; and
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24 WHEREAS, Hawaii's strategic mid-Pacific, near-equatorial
25 location, as well as substantial telemetry, space surveillance,
26 and other related infrastructure, provide a unique environment
27 from which to launch payloads into equatorial and polar orbits,



1 and with notably less energy requirements than similar launches
2 from United States mainland locations; and

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4 WHEREAS, these assets and capabilities are ideally suited
5 to support the launch of next-generation government and
6 commercial spacecraft that can enable the deployment of small
7 satellites, experimental payloads, and tourists to space;
8 monitor and manage man-made and natural disasters; test space-
9 based power systems to capture sunlight as a renewable energy
10 resource for interplanetary spacecraft and Earth-based
11 applications; and facilitate diverse commercial communications
12 applications; and

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14 WHEREAS, there is growing global concurrence that public-
15 private and multinational cooperation can help reduce the costs
16 and enhance the benefits of robotic and human access to space,
17 and that Hawaii, by virtue of its strategic geographic location,
18 existing infrastructure, and long-standing ties with the Asia-
19 Pacific community, is ideally suited to serve as a catalyst for
20 such partnerships; and

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22 WHEREAS, to diversify and expand Hawaii's economy, the
23 State must promote strategic growth industries that can attract
24 substantial federal and private sector investments, support
25 high-paying and sustainable technology-based employment
26 opportunities for local residents, develop creative means to
27 inspire and train students in STEM-related fields, and enable
28 pioneering research and commercial development programs at
29 universities and businesses statewide; and

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31 WHEREAS, aerospace research and development, and in
32 particular commercial space launch activities and related
33 operations, can demonstrably provide multiple opportunities to
34 help realize all of these goals statewide; and

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36 WHEREAS, multiple international and national aerospace
37 companies have already expressed strong and continuing interest
38 in supporting commercial space launch activities from Hawaii;
39 and

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41 WHEREAS, the State, through its Office of Aerospace
42 Development, is currently working to conduct the environmental
43 assessment and other analytical studies required to obtain a
44 commercial spaceport license from the Federal Aviation



1 Administration to enable commercial launch activities in Hawaii;
2 now, therefore,

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4 BE IT RESOLVED by the Senate of the Twenty-seventh
5 Legislature of the State of Hawaii, Regular Session of 2013, the
6 House of Representatives concurring, that this body recognizes
7 commercial space transportation as a strategic and timely growth
8 industry for Hawaii; and

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10 BE IT FURTHER RESOLVED that the state administration is
11 requested to take proactive, coordinated, and sustained action
12 to fully realize the significant scientific, educational, and
13 commercial benefits space launch operations and related
14 aerospace enterprise can bring to the State; and

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16 BE IT FURTHER RESOLVED that the State should work
17 collaboratively and proactively with federal and municipal
18 agencies and organizations, as well as local and overseas
19 universities and companies, to explore and promote opportunities
20 to initiate, expand, and diversify commercial space launch
21 capabilities and operations in Hawaii; and

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23 BE IT FURTHER RESOLVED that these capabilities and
24 operations should be targeted toward developing Hawaii as an
25 international center for commercial space launch activities that
26 can help reduce the costs and enhance the benefits of space
27 exploration, while generating high-paying and sustainable
28 technology-based employment opportunities for local residents,
29 as well as providing significant opportunities for K-12 and
30 university-based STEM education and training that can grow
31 Hawaii's technologically-proficient workforce; and

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33 BE IT FURTHER RESOLVED that these efforts should be
34 undertaken in a manner that ensures adequate communications and
35 community outreach to enable commercial space launch activities
36 to be responsive to local economic needs, environmental
37 concerns, community development plans, and cultural concerns;
38 and

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40 BE IT FURTHER RESOLVED that the Office of Aerospace
41 Development is requested to promote and help advance such
42 activities and programs on behalf of the State, including
43 coordination with the Pacific Missile Range Facility on Kauai,
44 Hawaii Space Flight Laboratory on Oahu, Advanced Maui Optical



1 and Space Surveillance facility on Maui, Pacific International
 2 Space Center for Exploration Systems on the Big Island, National
 3 Aeronautics and Space Administration, Federal Aviation
 4 Administration, and other state-based, national, and
 5 international agencies and organizations, both public and
 6 private, as appropriate; and
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8 BE IT FURTHER RESOLVED that certified copies of this
 9 Concurrent Resolution be transmitted to the Governor; Director
 10 of Business, Economic Development, and Tourism; Director of the
 11 Office of Aerospace Development; President of the University of
 12 Hawaii System; Superintendent of Education; Adjutant General;
 13 Commander of the United States Pacific Command; Commander of the
 14 United States Pacific Fleet; Commander of the Pacific Air
 15 Forces; Commanding General of the United States Army Pacific;
 16 Commander of the United States Marine Corps Forces, Pacific;
 17 Administrator of the National Aeronautics and Space
 18 Administration; and Administrator of the Federal Aviation
 19 Administration.
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OFFERED BY:

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MAN.M.

