

MAR 04 2016

---

# SENATE CONCURRENT RESOLUTION

RECOGNIZING AEROSPACE 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 THE AEROSPACE INDUSTRY CAN BRING TO THE STATE.

1           WHEREAS, over the past half century, aerospace has played a  
2 pivotal role in expanding and diversifying the national economy  
3 by forging new inroads to scientific discovery, advancing  
4 national engineering and manufacturing expertise, pioneering  
5 innovations in communications and computer technologies,  
6 enhancing surveillance of the Earth, and enabling better  
7 understanding of weather systems and climate change; and  
8

9           WHEREAS, aerospace has also spurred spinoffs of commercial  
10 products that have significantly enhanced the public's quality  
11 of life, provided rich educational and training opportunities  
12 for kindergarten through twelfth grade students and college  
13 students nationwide, and expanded means and venues for the  
14 exploration and development of space; and  
15

16           WHEREAS, the aerospace industry today holds equal if not  
17 greater potential for enabling future innovation in science and  
18 technology, enhancing aviation and global security, promoting  
19 science, technology, engineering and mathematics (STEM)  
20 education to help grow a technologically proficient workforce,  
21 improving healthcare diagnostics and delivery worldwide, forging  
22 renewable energy systems for application worldwide, and  
23 advancing remote sensing and management of critical global  
24 resources; and  
25

26           WHEREAS, Hawaii's strategic mid-Pacific near-equatorial  
27 location; substantial telemetry, space surveillance, and other  
28 related infrastructure; moon- and Mars-like terrain; resident  
29 expertise in a broad range of aerospace-related technologies;



1 and long-standing ties with space-faring nations throughout the  
2 Asia-Pacific region, comprise strategic assets and capabilities  
3 that can be leveraged to help realize humankind's full potential  
4 in space, and in so doing engage the State as a major  
5 contributor to and beneficiary of global space enterprise; and  
6

7 WHEREAS, Hawaii has historically played a seminal role in  
8 developing the nation's space program, beginning with astronaut  
9 training for the Apollo lunar missions and the development of  
10 world-class observatories on the island of Hawaii, and leading  
11 to a variety of nationally funded programs in planetary  
12 geosciences, satellite communications, space-based remote  
13 sensing and environmental monitoring, deep-space surveillance,  
14 and other aerospace-related activities sponsored by the  
15 University of Hawaii, the United States military, and numerous  
16 aerospace-related companies statewide; and  
17

18 WHEREAS, today Hawaii continues to support national space  
19 efforts through a wide range of aerospace-related activities on  
20 all major islands, including the Mauna Kea Science Reserve on  
21 Mauna Kea as the world's premier astronomical observing site,  
22 the Air Force Maui Optical and Supercomputing Observatory  
23 supporting the nation's most sophisticated deep space  
24 surveillance complex, the University of Hawaii's Institute for  
25 Astronomy and Hawaii Institute for Geophysics and Planetology on  
26 Oahu, pioneering basic and applied research in diverse space-  
27 related fields, and the Pacific Missile Range Facility on Kauai,  
28 providing the world's largest multi-environment test and  
29 evaluation range for aerospace technologies; and  
30

31 WHEREAS, local aerospace companies, founded and grown in  
32 Hawaii, are equipped with the technical talent and state-of-the-  
33 art infrastructure to develop next-generation electro-optic  
34 technologies, space surveillance and defense systems, command  
35 and control networks, and other resources and capabilities that  
36 can be adapted for military and civilian aerospace applications;  
37 and  
38

39 WHEREAS, major national aerospace corporations, already  
40 established in Hawaii, have expressed interest in expanding  
41 their operations in the islands as a bridge to Asia-Pacific  
42 markets, especially in the development and delivery of advanced



1 systems for aviation maintenance and training, air traffic  
2 control, satellite communications, and deep space tracking,  
3 surveillance, and reconnaissance; and  
4

5 WHEREAS, the Federal Aviation Administration, the National  
6 Aeronautics and Space Administration, and other federal agencies  
7 and aerospace corporations nationwide are working to develop  
8 next-generation aviation technologies to enhance the safety and  
9 efficiency of future air travel; and  
10

11 WHEREAS, Hawaii's abundant open air space, trans-Pacific  
12 and inter-island air routes, and extensive civilian and military  
13 aviation infrastructure make Hawaii an ideal test site to  
14 demonstrate and validate next-generation aviation technologies;  
15 and  
16

17 WHEREAS, Hawaii's unique location, geography, and  
18 technological assets are also ideally suited to support the  
19 launch of next-generation commercial spacecraft, including  
20 spaceplanes, to carry small satellites, experimental payloads,  
21 and tourists to space; monitor and manage human-caused and  
22 natural disasters; and develop and test space-based power  
23 systems to capture sunlight as a renewable energy resource for  
24 interplanetary spacecraft and Earth-based applications; and  
25

26 WHEREAS, there is growing global concurrence that  
27 multinational collaboration can help reduce the costs and  
28 enhance the benefits of robotic and human missions to space and  
29 that Hawaii, by virtue of its strategic location and assets, is  
30 ideally situated to help lead the charge as a catalyst for  
31 multinational space partnerships; and  
32

33 WHEREAS, in order to realize this vision, considerable  
34 resources will need to be devoted to the development, testing,  
35 and evaluation of new technologies to enable long-term missions  
36 to space; the training of scientists, engineers, and astronauts  
37 to help design and implement these missions; the development of  
38 multinational partnerships that can synergize resources and  
39 reduce costs for future space missions; and educating and  
40 engaging the general public in these efforts; and  
41



1           WHEREAS, Hawaii's unique location, geography, international  
2 connectivity, and other strategic assets and capabilities are  
3 ideally suited to address all of these challenges; and  
4

5           WHEREAS, to diversify and expand Hawaii's economy, the  
6 State must promote strategic growth industries that can attract  
7 substantial federal and private sector investments, support  
8 high-paying and sustainable technology-based employment  
9 opportunities for local residents, develop creative means to  
10 inspire and train students in STEM-related fields, and enable  
11 pioneering research and commercial development programs at  
12 universities and businesses statewide; and  
13

14           WHEREAS, aerospace is demonstrably a dynamic growth  
15 industry that has advanced and can continue to support all of  
16 these goals to diversify and expand Hawaii's economy; and  
17

18           WHEREAS, aerospace thrives in Hawaii because of the State's  
19 unique location and intrinsic resources, and therefore is a  
20 growth industry that will not be exported from the State as it  
21 matures; and  
22

23           WHEREAS, Hawaii already has established extensive working  
24 relationships throughout the global aerospace community that can  
25 be leveraged to grow an aerospace industry statewide; and  
26

27           WHEREAS, all of the aforementioned assets, capabilities,  
28 and advantages that predispose aerospace as a dynamic growth  
29 industry for Hawaii imply that modest upfront investments in  
30 this sector will bring substantial and sustainable scientific,  
31 educational, and commercial returns to the State; now,  
32 therefore,  
33

34           BE IT RESOLVED by the Senate of the Twenty-eighth  
35 Legislature of the State of Hawaii, Regular Session of 2016, the  
36 House of Representatives concurring, that this body recognizes  
37 aerospace as a strategic and timely growth industry for Hawaii;  
38 and  
39

40           BE IT FURTHER RESOLVED that the state Administration is  
41 requested to take proactive, coordinated, and sustained action  
42 to fully realize the significant scientific, educational, and



1 commercial benefits the aerospace industry can bring to the  
2 State; and

3  
4 BE IT FURTHER RESOLVED that in support of this effort, the  
5 State should make aerospace a high priority for innovation and  
6 development in the 2017-2019 fiscal biennium; and

7  
8 BE IT FURTHER RESOLVED that the Office of Aerospace  
9 Development, as established under section 201-72, Hawaii Revised  
10 Statutes, within the Department of Business, Economic  
11 Development, and Tourism, should promote and help advance such  
12 activities and programs on behalf of the State, to include  
13 coordination with the Pacific Missile Range Facility on Kauai,  
14 the Hawaii Space Flight Laboratory on Oahu, the Advanced Maui  
15 Optical and Space Surveillance facility on Maui, the Pacific  
16 International Space Center for Exploration Systems on the island  
17 of Hawaii, the National Aeronautics and Space Administration,  
18 the Federal Aviation Administration, and other state-based,  
19 national, and public and private international agencies and  
20 organizations, as appropriate; and

21  
22 BE IT FURTHER RESOLVED that in furtherance of this goal,  
23 the Office of Aerospace Development is requested to prepare, for  
24 review and consideration by the state Administration and the  
25 Legislature, a strategic plan for aerospace development in  
26 Hawaii that will explore possibilities and options for expanding  
27 and diversifying the aerospace sector statewide, identifying  
28 specific goals and plausible outcomes over a five-year period,  
29 with recommendations for specific methodologies and policies to  
30 help achieve these goals and outcomes; and

31  
32 BE IT FURTHER RESOLVED that this strategic plan be  
33 completed in advance of the 2017-2019 fiscal biennium, with  
34 copies delivered to the state Administration and Legislature for  
35 consideration no later than September 1, 2016; and

36  
37 BE IT FURTHER RESOLVED that certified copies of this  
38 Concurrent Resolution be transmitted to the Governor; President  
39 of the Senate; Speaker of the House of Representatives; Director  
40 of Business, Economic Development, and Tourism; Director of the  
41 Office of Aerospace Development; President of the University of  
42 Hawaii System; Superintendent of Education; Adjutant General;



# S.C.R. NO. 65

1 Commander of the United States Pacific Command; Commander of the  
 2 United States Pacific Fleet; Commander of the Pacific Air  
 3 Forces; Commanding General of the United States Army Pacific;  
 4 and Commander of the United States Marine Corps Forces, Pacific.  
 5  
 6  
 7

OFFERED BY:

Will Eyo

~~for  
 0000 A C Kirk-Ag~~

Ronald H. Baker

B

Charles W. Fisher

James T. Hill

James H. Brown  
Francis G. Inouye

Stephen H. ...  
James ...  
...

Breene ...

Thomas ...

