
HOUSE 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 both expanding and diversifying the national
3 economy by forging new inroads to scientific discovery,
4 advancing national engineering and manufacturing expertise,
5 pioneering innovations in communications and computer
6 technologies, enhancing surveillance of our home planet, and
7 enabling better understanding of both weather systems and
8 climate change; and
9

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

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

25 WHEREAS, Hawaii's strategic mid-Pacific, near-equatorial
26 location, substantial telemetry, space surveillance, and other
27 related infrastructure, Moon- and Mars-like terrain, resident



1 expertise in a broad range of aerospace-related technologies,
2 and long-standing ties with space-faring nations throughout the
3 Asia-Pacific region, comprise strategic assets and capabilities
4 that can be leveraged to help realize humankind's full potential
5 in space, and in so doing engage the State as a major
6 contributor to and beneficiary of global space enterprise; and
7

8 WHEREAS, historically, Hawaii has played a seminal role in
9 developing the nation's space program, beginning with astronaut
10 training for the Apollo lunar missions and the development of
11 world-class observatories on the Big Island and leading to a
12 variety of nationally-funded programs in planetary geosciences,
13 satellite communications, space-based remote sensing and
14 environmental monitoring, deep space surveillance, and other
15 aerospace-related activities sponsored by the University of
16 Hawaii, the U.S. military, and numerous aerospace-related
17 companies statewide; and
18

19 WHEREAS, today, Hawaii continues to support national space
20 efforts through a wide range of aerospace-related activities on
21 all major islands including the Mauna Kea Science Reserve on
22 Hawaii Island, which is the world's premier astronomical
23 observing site; the Air Force Maui Optical and Supercomputing
24 Observatory, which supports the nation's most sophisticated deep
25 space surveillance complex; the University of Hawaii's Institute
26 for Astronomy and Hawaii Institute for Geophysics and
27 Planetology on Oahu, which have pioneered both basic and applied
28 research in diverse space-related fields; and the Pacific
29 Missile Range Facility on Kauai, which provides the world's
30 largest multi-environment test and evaluation range for
31 aerospace technologies; and
32

33 WHEREAS, local aerospace companies, founded and grown in
34 Hawaii, are equipped with both the technical talent and state
35 of-the-art infrastructure to develop next-generation electro
36 optic technologies, space surveillance and defense systems,
37 command and control networks, and other resources and
38 capabilities that can be adapted for both military and civilian
39 aerospace applications; and
40

41 WHEREAS, major national aerospace corporations already
42 established in Hawaii are looking to expand their operation in



1 the islands as a bridge to Asia-Pacific markets, especially in
2 the development and delivery of advanced systems for aviation
3 maintenance and training, air traffic control, satellite
4 communications, and deep space tracking, surveillance, and
5 reconnaissance; and

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

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

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

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

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



1 WHEREAS, Hawaii's favorable location, geography,
2 international connectivity, and other strategic assets and
3 capabilities are ideally suited to address all of these
4 challenges; and
5

6 WHEREAS, the State must promote strategic growth industries
7 that can attract substantial federal and private sector
8 investments, support high-paying and sustainable technology-
9 based employment opportunities for local residents, develop
10 creative means to inspire and train students in STEM-related
11 fields, and enable pioneering research and commercial
12 development programs at universities and businesses statewide to
13 diversify and expand Hawaii's economy; and
14

15 WHEREAS, aerospace is demonstrably a dynamic growth
16 industry that has advanced and can continue to support all of
17 these goals in Hawaii; and
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19 WHEREAS, aerospace thrives in Hawaii because of the State's
20 favorable location and intrinsic resources, and therefore is a
21 growth industry that will not be exported from the State as it
22 matures; and
23

24 WHEREAS, Hawaii has already established extensive working
25 relationships throughout the global aerospace community that can
26 be leveraged to grow an aerospace industry statewide; and
27

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

34 BE IT RESOLVED by the House of Representatives of the
35 Twenty-eighth Legislature of the State of Hawaii, Regular
36 Session of 2016, the Senate concurring, that the Legislature
37 recognizes aerospace as a strategic and timely growth industry
38 for Hawaii; 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 201-71, Hawaii Revised
10 Statutes within the Department of Business, Economic Development
11 and Tourism, should promote and help advance such activities and
12 programs on behalf of the State, to include coordination with
13 the Pacific Missile Range Facility on Kauai, the Hawaii Space
14 Flight Laboratory on Oahu, the Advanced Maui Optical and Space
15 Surveillance facility on Maui, the Pacific International Space
16 Center for Exploration Systems on Hawaii Island, the National
17 Aeronautics and Space Administration, the Federal Aviation
18 Administration, and other state-based, national, and
19 international agencies and organizations, both public and
20 private, 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
25 Legislature, a strategic plan for aerospace development in
26 Hawaii that will explore possibilities and options for expanding
27 and diversifying this sector statewide, identify specific goals
28 and plausible outcomes over a five-year period, and recommend
29 specific methodologies and policies to help achieve these goals
30 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 by no later than Thursday, September 1, 2016; and

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37 BE IT FURTHER RESOLVED that certified copies of this
38 Concurrent Resolution be transmitted to the Governor, the
39 Director of Business, Economic Development, and Tourism, the
40 President of the University of Hawaii, the Superintendent of
41 Education, the Adjutant General, the Commander of the United
42 States Pacific Command, the Commander of the United States



H.C.R. NO. 59

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

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Statement of

LUIS P. SALAVERIA

Director

Department of Business, Economic Development & Tourism

before the

HOUSE COMMITTEE ON ECONOMIC DEVELOPMENT & BUSINESS

Thursday, March 17, 2016

10:00 a.m.

State Capitol, Conference Room 312

in consideration of

HCR 59 / HR 26

**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.**

Chair Kawakami, Vice-Chair Kong, and Members of the Committee. The Department of Business, Economic Development, and Tourism (DBEDT) supports with comments on these resolutions requesting the State to coordinate action to realize the scientific, educational, and commercial benefits aerospace-related industry can bring to Hawaii.

In concert with this request, the Office of Aerospace Development is currently discussing the resources required to draft a strategic plan that will explore options for expanding and diversifying aerospace-related programs statewide, as well as recommend methodologies and policies to achieve specific milestones in aerospace development over the next five years. If funds are appropriated for a director, OAD will be collaborating with the State's Aerospace Advisory Committee in preparing a draft of this plan for review and consideration by the Legislature by September 1st of 2017.

Thank you for the opportunity to testify on these resolutions.