



SENATE JOINT RESOLUTION 17-019

BY SENATOR(S) Baumgardner and Todd, Aguilar, Cooke, Coram, Court, Crowder, Donovan, Fenberg, Fields, Garcia, Gardner, Guzman, Hill, Holbert, Jahn, Jones, Kagan, Kefalas, Kerr, Lambert, Lundberg, Marble, Martinez Humenik, Merrifield, Moreno, Neville T., Priola, Scott, Smallwood, Sonnenberg, Tate, Williams A., Zenzinger, Grantham; also REPRESENTATIVE(S) Rankin and Rosenthal, Arndt, Becker J., Becker K., Beckman, Benavidez, Bridges, Buck, Carver, Catlin, Coleman, Covarrubias, Danielson, Esgar, Everett, Exum, Foote, Garnett, Ginal, Gray, Hamner, Hansen, Herod, Hooton, Humphrey, Jackson, Kennedy, Kraft-Tharp, Landgraf, Lawrence, Lebsock, Lee, Leonard, Lewis, Liston, Lontine, Lundein, McKean, McLachlan, Melton, Michaelson Jenet, Mitsch Bush, Navarro, Neville P., Nordberg, Pabon, Pettersen, Ransom, Saine, Salazar, Singer, Thurlow, Valdez, Van Winkle, Weissman, Willett, Williams D., Wilson, Winter, Wist, Young, Duran.

CONCERNING THE DESIGNATION OF MARCH 20, 2017, AS "COLORADO AEROSPACE DAY".

WHEREAS, Our nation and the world have significantly benefitted from technological and scientific advances resulting from space exploration and aerospace activities; and

WHEREAS, Colorado is the second-largest state in the country for private aerospace employment; 25,500 Coloradans are directly employed in aerospace, with a payroll exceeding \$3.4 billion, and Colorado's aerospace cluster supports more than 188,000 jobs; and

WHEREAS, Colorado is home to the nation's top aerospace companies, including Ball Aerospace, Boeing, DigitalGlobe, Harris Corporation, Lockheed Martin Space Systems, Northrop Grumman, Raytheon, Sierra Nevada Corporation, Teledyne Brown Engineering, and United Launch Alliance; and close to 500 additional companies that support the aerospace sector by developing products, including

spacecraft, launch vehicles, satellites, command and control software, sensors, and navigation operations; and

WHEREAS, The United States Air Force Academy, along with Colorado's colleges and universities, including the University of Colorado Boulder and University of Colorado Colorado Springs, Colorado School of Mines, Colorado State University, Metropolitan State University of Denver, University of Denver, Colorado Mesa University, and Fort Lewis College provide access to world-class aerospace-related degrees and offer aerospace companies one of the country's most educated workforces; and

WHEREAS, Colorado is the home of the Laboratory for Atmospheric and Space Physics (LASP) at the University of Colorado Boulder that began in 1948, a decade before NASA, and is the world's only research institute to have sent instruments to all eight planets and Pluto and combines all aspects of space exploration through science, engineering, mission operations, and scientific data analysis; and

WHEREAS, Colorado is home to NOAA's Space Weather Prediction Center, a world-leading center of predictions of the solar and near-Earth space environment and the nation's official source of watches, warnings, and alerts of incoming solar storms, using satellite observations to protect and save lives and property; and

WHEREAS, Colorado is a strategic location for national space and cyber activity, with five key military commands--North American Aerospace Defense Command (NORAD), the United States Northern Command (USNORTHCOM), the U.S. Strategic Command's Joint Functional Component Command for Space (JFCC-Space) Missile Warning Center, the United States Air Force Space Command, and the U.S. Army Space and Missile Defense Command/Army Forces Strategic Command and three space-related United States Air Force bases--Buckley, Peterson, and Schriever; and

WHEREAS, The 460th Space Wing at Buckley Air Force Base, located in Aurora, provides operational command and control of three constellations of space-based infrared missile warning systems, has been defending America continuously since 1970, and is a critical part of global defense and national security; and

WHEREAS, Colorado is uniting global partners around the world to ensure space access for developing nations via the first planned United Nations space mission--Sierra Nevada Corporation located in Louisville, Colorado, together with the United Nations Office of Outer Space Affairs, will use its Dream Chaser spacecraft to allow developing countries the opportunity to develop and fly microgravity payloads for an extended duration in orbit; and

WHEREAS, Colorado leads the charge in bringing current and future GPS assets to life, a service provided free to the world by Air Force Space Command in Colorado Springs; and

WHEREAS, From the operation of GPS satellites by Schriever Air Force Base, to GPS III, the most powerful GPS satellite to date being designed and built by Lockheed Martin and launched by United Launch Alliance with Raytheon developing the command and control capabilities, and companies such as Boeing, Harris Corporation, Braxton Technologies, and Infinity Systems Engineering also supporting GPS development and operations from locations in Colorado, Colorado's GPS technologies enable an integral part of our global economy to have an incalculable impact that has improved the everyday lives of billions of people around the world; and

WHEREAS, Various organizations are key to Colorado's prominence in aerospace, such as the Colorado Space Coalition (CSC), a group of industry stakeholders working to make Colorado a center of excellence for aerospace; the Colorado Space Business Roundtable, working to bring together aerospace stakeholders from the industry, government, and academia for roundtable discussions and business development and to encourage grassroots citizen participation in aerospace issues; the Colorado Chapter of Citizens for Space Exploration, whose mission is to promote better understanding of aerospace and its importance in our economy and daily lives as well as promoting the importance of human space exploration; and Manufacturer's Edge, a statewide manufacturing assistance center that encourages the strength and competitiveness of Colorado manufacturers by providing on-site technical assistance through coaching, training, and consulting and collaboration-focused industry programs and leveraging government, university, and economic development partnerships; now, therefore,

Be It Resolved by the Senate of the Seventieth-first General Assembly of the State of Colorado, the House of Representatives concurring herein:

That we, the members of the Colorado General Assembly:

- (1) Strongly urge and request the government of the United States of America to take action to preserve and enhance United States leadership in space, spur innovation, and ensure our continued national and economic security by increasing funding for space exploration and activities, including regaining the ability of the United States to deliver astronauts to low earth orbit in the next few years; to commit to sending astronauts to the moon, asteroids, and beyond within this decade; and to aggressively pursue NASA's Orion spacecraft and Space Launch System to get astronauts to Mars orbit by 2028 and boots on the ground by 2033;
- (2) Recognize and appreciate Colorado's space and aerospace companies and organizations, especially the growing membership and activities of the Colorado Chapter of Citizens for Space Exploration, whose activities to promote space exploration are helping to increase public understanding and enthusiasm for exploration funding;
- (3) Recognize and appreciate the contributions of Colorado's universities, colleges, and national research laboratories to the space and aerospace industries, including their expertise in exploration of the planets and the universe and space-based Earth observation;
- (4) Express our most sincere and deepest appreciation to the men and women working in and supporting military and civilian aerospace companies and organizations in Colorado; and
- (5) Hereby declare March 20, 2017, to be "Colorado Aerospace Day".

Be It Further Resolved, That copies of this Joint Resolution be sent to President Donald Trump; Vice President Mike Pence; Speaker Paul D. Ryan; House Minority Leader Nancy Pelosi; Senate Majority Leader Mitch McConnell; Senate Minority Leader Charles Schumer; Senator Cory Gardner; Senator Michael Bennet; Congresswoman Diana DeGette; Congressman Jared Polis; Congressman Scott Tipton; Congressman Ken Buck; Congressman Doug Lamborn; Congressman Mike Coffman; Congressman Ed Perlmutter; Robert Lightfoot, Acting NASA

Administrator; Lesa Roe, Acting NASA Deputy Administrator; Mr. Michael P. Huerta, Federal Aviation Administration Administrator; Governor John Hickenlooper; Lieutenant Governor Donna Lynne; Major General H. Michael Edwards, Adjutant General, Colorado National Guard; Dr. George C. Nield, Associate Administrator for Commercial Space Transportation at the Federal Aviation Administration; General John Raymond, Air Force Space Commander; Colonel Dan Wright, USAF, Commander Aerospace Data Facility-Colorado; Betty Sapp, Director, National Reconnaissance Office; Charles Huettner, Executive Director, Aerospace States Association; Lieutenant Colonel Shelli Brunswick, Acting Chief Executive Officer, Space Foundation; Major General (Retired) Andy Love, Co-Chair, Colorado Space Coalition; Tom Marsh, Co-Chair, Colorado Space Coalition; Rick Ward, Chair, Colorado Space Business Roundtable; and Stacey DeFore, Chair, Colorado Citizens for Space Exploration.

Kevin J. Grantham
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