

The Florida Senate
COMMITTEE MEETING EXPANDED AGENDA
**MILITARY AND VETERANS AFFAIRS, SPACE, AND
DOMESTIC SECURITY**
Senator Wright, Chair
Senator Torres, Vice Chair

MEETING DATE: Wednesday, February 15, 2023

TIME: 8:30—10:30 a.m.

PLACE: 301 Senate Building

MEMBERS: Senator Wright, Chair; Senator Torres, Vice Chair; Senators Berman, Calatayud, Collins, Pizzo, and Rodriguez

TAB	BILL NO. and INTRODUCER	BILL DESCRIPTION and SENATE COMMITTEE ACTIONS	COMMITTEE ACTION
1	Presentation on Space Florida by Dale Ketcham, Vice President of Government and Community Relations		Presented
2	Presentation on Artemis by Janet Petro, Center Director, National Aeronautics and Space Administration		Presented
Other Related Meeting Documents			

SPACE FLORIDA

Be where new ideas take off™

SPACE FLORIDA



WHO WE ARE

It all began with a rocket launch in 1950. And the brightest minds, biggest ideas, and most innovative ventures have been coming here ever since. While it may have started on the Space Coast, now all of Florida is pushing the envelope and breaking boundaries to claim many firsts in aerospace.

Space Florida is the state's aerospace finance and development authority. In 2006 a unique state statute was enacted that would open the door to more creative financing options and infrastructure access – making aerospace ventures much easier to launch.



GETTING NEW IDEAS OFF THE GROUND



Space Florida is where leading aerospace companies get everything they need to see their new ideas take off.

THE SPACE FLORIDA DIFFERENCE

Aerospace companies want to be where new ideas take off, because that's where you'll find:



UNRIVALED EXPERIENCE

By teaming up with finance, business, and industry experts who've proven they know exactly what it takes to launch successful, groundbreaking aerospace initiatives.



UNMATCHED FINANCIAL TOOLS

You can access capital and lower your long-term costs with customized financing and tax efficiencies you simply can't get anywhere else.



UNBEATABLE LOCATION

Where companies can take their place in the new space economy or any other aerospace market with direct access to established infrastructure, a skilled workforce, and an environment built for innovation.

HOW WE ACHIEVE BOLD GOALS

From spaceport authority operations and business development roles, Space Florida brings finance, business, and industry experts who've proven they know exactly what it takes to launch successful, groundbreaking aerospace initiatives.



SPACEPORT AUTHORITY

- Develop infrastructure
- Statewide planning
- Build, own, lease, & operate
- SLC-46 Exploration Park
- Launch & Landing Facility



BUSINESS DEVELOPMENT

- Draw from a more diverse toolkit
- Access capital quickly and efficiently
- Conduit financing
- Leverage a diverse lender network
- Access to capital markets
- Tax efficiencies
- Move-in ready facilities

Only Space Florida can successfully manage a dual role while bringing a mix of unrivaled experience, unmatched financial tools, and unbeatable location to the table.

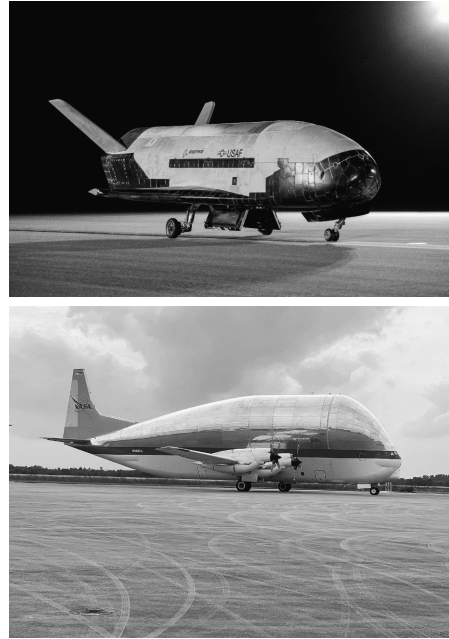




Artemis I launch taken from the Space Florida Launch and Landing Facility

TOP HIGHLIGHTS

- Currently, Space Florida's project pipeline is valued at \$5.5 billion of statewide capital investment
- Space Florida expanded its role in commercial spaceport operations by supporting two commercial launches at SLC-46, the only active multi-user launch pad on the Cape
- In 2022, Space Florida enabled 3,500 total flight operations at Space Florida's Launch and Landing Facility (LLF) – including the arrivals of SpaceX's Crews 4 and 5, the successful return of the U.S. Space Force's X-37B unmanned spaceplane, and delivery of the heatshield for Artemis III



2022 MILESTONES

Investment Milestones

- Dassault Falcon Jet new maintenance facility in Melbourne, Florida
- Space Florida increased lease financing capacity for SIMCOM International, Inc. to \$110 million to fund additional full flight simulators
- \$70 million bank financing for CAE USA's new facility at Tampa International Airport
- Made strategic investment in Florida-headquartered EVE Air Mobility
- Worked with Gov. Ron DeSantis, Lt. Governor Jeanette Nuñez, Department of Education, Department of Economic Opportunity, Enterprise Florida, CareerSource, nearly 20 private sector companies and numerous public sector educational partners to invest \$30 million for Space Coast region workforce development
- Invested in early-stage companies through our partnerships with the Florida Venture Forum and the Israel Innovation Authority

Infrastructure / Spaceport Improvement Program Milestones

- Completion of a new mile-long utility corridor and started construction of an additional 1.3-mile segment with expected completion in Q1 2024
- As a part of the Florida Spaceport Improvement Program, investing approximately \$63.8 million in grant funds over the past four years in partnership with the Florida Department of Transportation
- Additional LLF improvements in 2022 included preparation and preservation of land, construction on Hangar Road for improved emergency response access, and completion of the wetland mitigation project.



SPACEPORT IMPROVEMENT PROGRAM

Current call for projects is out, applications due March 15, 2023

Past projects

SpaceX's new processing and Starship manufacturing facility

Cecil Spaceport improvement to its operations control center and payload process to enable commercial launch operations

Blue Origin's new pad at Launch Complex 36

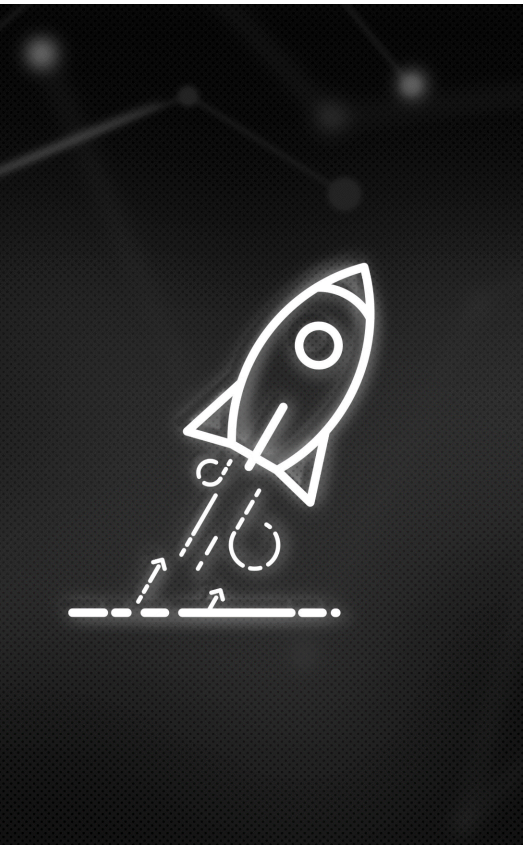
Boeing's Starliner assembly

Airbus OneWeb Satellite facility

United Launch Alliance's improvements to Launch Complex 41 to enhance capabilities for medium/heavy vehicles at Cape Canaveral Spaceport.

Over the past 10 years...

- 37 Major Projects
- 2575+ Direct Jobs
- \$326M+ State
- \$1.18B+ Private
- \$1.5B+ Total



PROJECT PIPELINE

\$5.5 Billion		Total value of 2023 project pipeline
149	149 projects in the pipeline; 78 in the leads phase, 61 in the opportunities phase, 10 in the closing phase	
26	26 different counties represented, 6 of which are designated rural areas of opportunities	

SPACE FLORIDA ECONOMIC IMPACT





SPACE FLORIDA VISION FOR THE FUTURE



THE GROUND NODE FOR GLOBAL AEROSPACE

FLORIDA

Payloads, people, assets outbound & inbound
Spaceport System includes in-space elements
Interplanetary cargo & crew accommodations
Deepen competitive tax & regulatory systems
Space-supporting maritime operations



**FLORIDA IS THE GLOBAL, MULTIMODAL
PORT OF ENTRY TO SPACE**

A ROAD MAP FOR THE FUTURE

- Broaden international trading partners
- New fund structures
- Increased fiduciary role
- Lead in spaceport governance
- Transform the historic Launch and Landing Facility to a transportation gateway for aerospace innovation and business
- Take Space Florida aerospace project portfolio to \$10 billion by 2030
- Grow workforce and increase access to capital in Florida
- Create a future business climate for space enterprise where manufacturing, mining, tourism, energy production, and other economic activity is occurring in space at scale
- Deepen already competitive tax and regulatory systems and ensure seamless intermodal connectivity for space imports and exports



THANK YOU!

Contact: Dale Ketcham, Vice President,
Government & Community Relations

Email: Dketcham@spaceflorida.gov

Website : www.spaceflorida.gov



THE FLORIDA SENATE
APPEARANCE RECORD

2-15-23

Meeting Date

(Deliver BOTH copies of this form to the Senator or Senate Professional Staff conducting the meeting)

Bill Number (if applicable)

Topic Space Florida

Amendment Barcode (if applicable)

Name Dale Ketcham

Job Title VP Gov & Community Relations

Address SOS Odyssey Way

Phone 321-427-7915

Street

Exploration Park FL 32953

City

State

Zip

Email dketcham@spaceflorida.gov

Speaking: ☐ For ☐ Against ☒ Information

Waive Speaking: ☐ In Support ☐ Against
(The Chair will read this information into the record.)

Representing Space Florida

Appearing at request of Chair: ☒ Yes ☐ No

Lobbyist registered with Legislature: ☐ Yes ☒ No

While it is a Senate tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this meeting. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard.

This form is part of the public record for this meeting.

S-001 (10/14/14)



Launching Humanity's Future

Janet Petro
Director, Kennedy Space Center

KENNEDY SPACE CENTER



Peregrine-1



IM-1



IM-2



Firefly



Masten-1



Crew-6



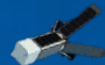
CFT



Crew-7



ELaNa 50, 43,
40, 47 and 58



TEMPO



TROPICS



Psyche



CRS-27



CRS-28

2023 KEY MILESTONES

Video







EXPLORATION GROUND SYSTEMS



ARTEMIS: LANDING HUMANS ON THE MOON

Lunar Reconnaissance
Orbiter: Continued
surface and landing
site investigation

Artemis I: First
human spacecraft
to the Moon in the
21st century

Artemis II: First humans
to orbit the Moon and
rendezvous in deep space
in the 21st Century

Gateway begins science operations
with launch of Power and Propulsion
Element and Habitation and
Logistics Outpost

Artemis III-V: Deep space crew missions;
cislunar buildup and initial crew
demonstration landing with Human
Landing System

Early South Pole Robotic Landings
Science and technology payloads delivered by
Commercial Lunar Payload Services providers

Volatiles Investigating Polar Exploration Rover
First mobility-enhanced lunar volatiles survey

Uncrewed HLS
Demonstration

Humans on the Moon - 21st Century
First crew expedition to the lunar surface

LUNAR SOUTH POLE TARGET SITE

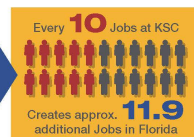
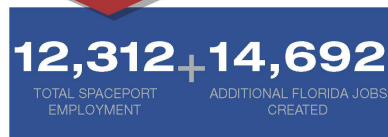
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SLS-4355

2021 IMPACTS OF SPACEPORT OPERATIONS IN FLORIDA

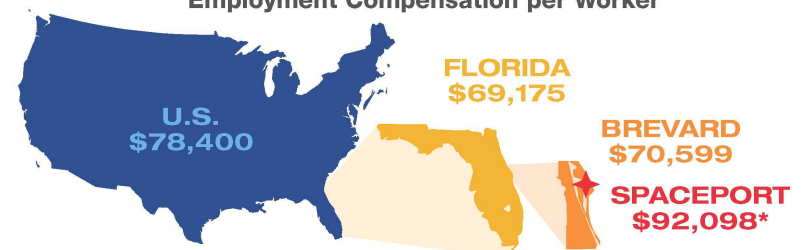
SPACEPORT WORKFORCE

Measures of Economic Activity



**COVID Protocols in place

Employment Compensation per Worker



*All jobs generated by Spaceport Activities

Every **\$1** spent at KSC ultimately results in **\$1.82** for Florida's Economy



Video

LAUNCHING HUMANITY'S FUTURE

02-15-23

Meeting Date

The Florida Senate
APPEARANCE RECORD

Deliver both copies of this form to
Senate professional staff conducting the meeting

ALTEMUS
PRESENTATION

Bill Number or Topic

Committee

Amendment Barcode (if applicable)

Name

Janet Petro, Center Director

Phone

321-867-3333

Address

Mail Code AA

Email

Janet.e.petro@nasa.gov

Street

Kennedy Space Center, FL 32953

City

State

Zip

Speaking:

☐

For

☐

Against

☐

Information

OR

Waive Speaking:

☐

In Support

☐

Against

PLEASE CHECK ONE OF THE FOLLOWING:

☐

I am appearing without
compensation or sponsorship.

☐

I am a registered lobbyist,
representing:

☐

I am not a lobbyist, but received
something of value for my appearance
(travel, meals, lodging, etc.),
sponsored by:

While it is a tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this hearing. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard. If you have questions about registering to lobby please see Fla. Stat. §11.045 and Joint Rule 1. [2020-2022 Joint Rules.pdf \(flsenate.gov\)](#)

This form is part of the public record for this meeting.

S-001 (08/10/2021)



THE FLORIDA SENATE

SENATOR JASON W.B. PIZZO

DISTRICT OFFICE:

3475 Sheridan Street
Suite 210
Hollywood, FL 33021
pizzo.jason@flsenate.gov

SENATE OFFICE:

222 Senate Office Building
404 South Monroe Street
Tallahassee, FL 32399
Phone: 850.487.5038

STAFF:

Teri Cariota
Senior Legislative Aide
cariota.teri@flsenate.gov

Kayla Francis
Legislative Aide
francis.kayla@flsenate.gov

Olivia Callari
District Legislative Aide
callari.olivia@flsenate.gov

COMMITTEE MEMBERSHIP:

Joint Legislative Auditing,
Chair

Appropriations

Appropriations
Committee on Criminal &
Civil Justice

Community Affairs

Criminal Justice

Finance & Tax

Military & Veterans
Affairs, Space, and
Domestic Security

Resiliency

KATHLEEN PASSIDOMO
President of the Senate

DENNIS BAXLEY
President Pro Tempore

February 15, 2023

The Honorable Tom Wright, Chair
Committee on Military, Veterans Affairs, Space & Domestic Security
531 Knott Building
404 South Monroe Street
Tallahassee, FL 32399

Dear Chair Wright,

Please excuse my absence from the Senate Military, Veterans Affairs, Space, and Domestic Security Committee on February 15th, 2023.

Sincerely,


Jason W.B. Pizzo

CourtSmart Tag Report

Room: SB 301

Case No.:

Type:

Caption: Senate Committee on Military and Veterans Affairs, Space, and Domestic Security

Judge:

Started: 2/15/2023 8:30:46 AM

Ends: 2/15/2023 9:44:59 AM

Length: 01:14:14

8:30:50 AM Meeting called to order, roll call
8:31:36 AM Quorum is present
8:31:52 AM Pledge of Allegiance by Senator Collins
8:32:06 AM Chair Wright makes opening comments
8:32:32 AM Tab 1, Presentation on Space Florida by Dale Ketcham, Vice President of Government and Community Relations
8:33:16 AM Chair Wright recognizes Dale Ketcham to present
8:33:54 AM Dale Ketcham presents 'Space Florida Vision for the Future'
8:55:07 AM Questions:
8:56:07 AM Senator Torres
8:56:16 AM Dale Ketcham
8:56:52 AM Senator Torres
8:57:50 AM Dale Ketcham
8:58:46 AM Senator Torres
8:59:39 AM Dale Ketcham
9:00:39 AM Senator Calatayud
9:01:13 AM Dale Ketcham
9:02:08 AM Senator Berman
9:03:08 AM Dale Ketcham
9:06:34 AM Senator Collins
9:07:03 AM Dale Ketcham
9:07:07 AM Senator Collins
9:08:13 AM Dale Ketcham
9:10:51 AM Chair Wright makes comments
9:13:06 AM Tab 2, Presentation on Artemis by Janet Petro, Center Director, National Aeronautics and Space Administration
9:13:47 AM Chair Wright recognizes Janet Petro
9:13:58 AM Janet Petro presents "Launching Humanity's Future"
9:35:52 AM Questions:
9:35:57 AM Senator Torres
9:36:00 AM Janet Petro
9:40:01 AM Senator Torres
9:40:13 AM Senator Berman
9:40:39 AM Janet Petro
9:42:15 AM Chair Wright
9:42:34 AM Janet Petro
9:43:08 AM Chair Wright
9:44:05 AM Janet Petro
9:44:15 AM Chair Wright makes closing comments
9:44:26 AM Senator Berman moves to adjourn
9:44:31 AM Meeting adjourned