Federal Contracting Conference

Space Florida

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Space Florida

August 4, 2013

FLORIDA TEAM APPROACH

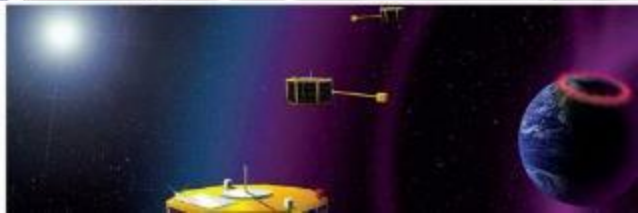
Governor Rick Scott

SPACE FLORIDA

Focus on Aerospace / Space Industry Growth In Florida

- *Authority for Florida's Spaceport System - - Infrastructure, Development and Operation*

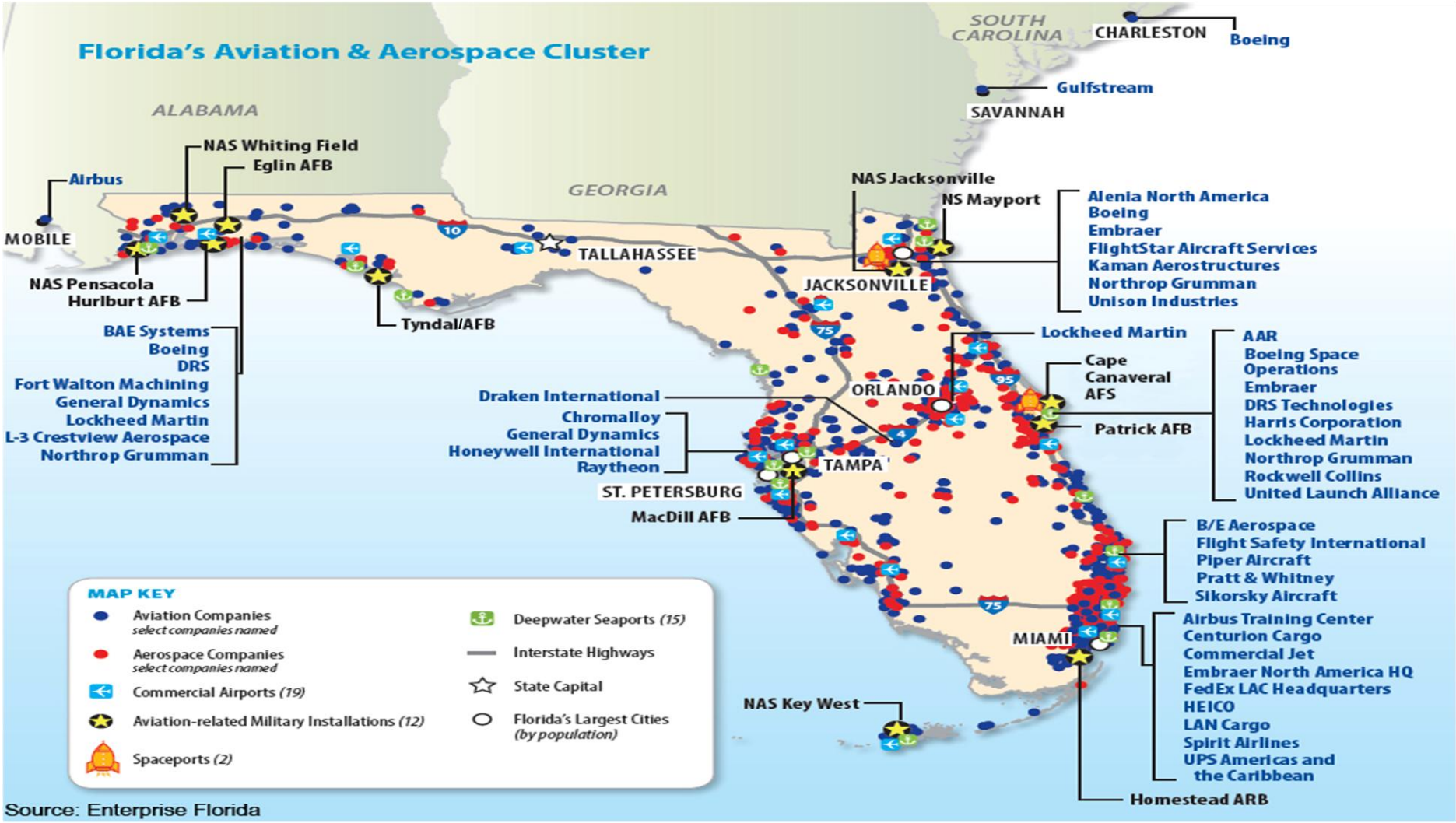
- *Economic Development assist to Aviation and Aerospace Growth / International Trade*



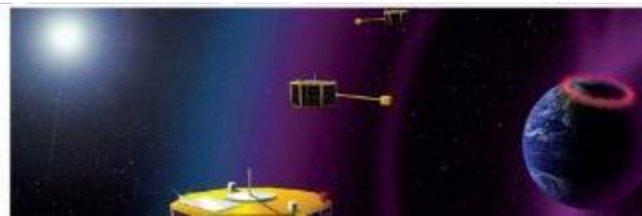
Where We've Been:

- *Responded Statewide to Shuttle Transition*
- *Strengthened Financing Capability / Funding*
- *Institutionalized Space Transportation with FDOT*
- *Leadership for a new Commercial Spaceport*
- *Secured Key NASA/AF Infrastructure Assets*
  - *Commercialization/Activity across the Cape – Operations and Checkout Building, Orbiter Processing Facilities, Space Life Sciences Lab…*

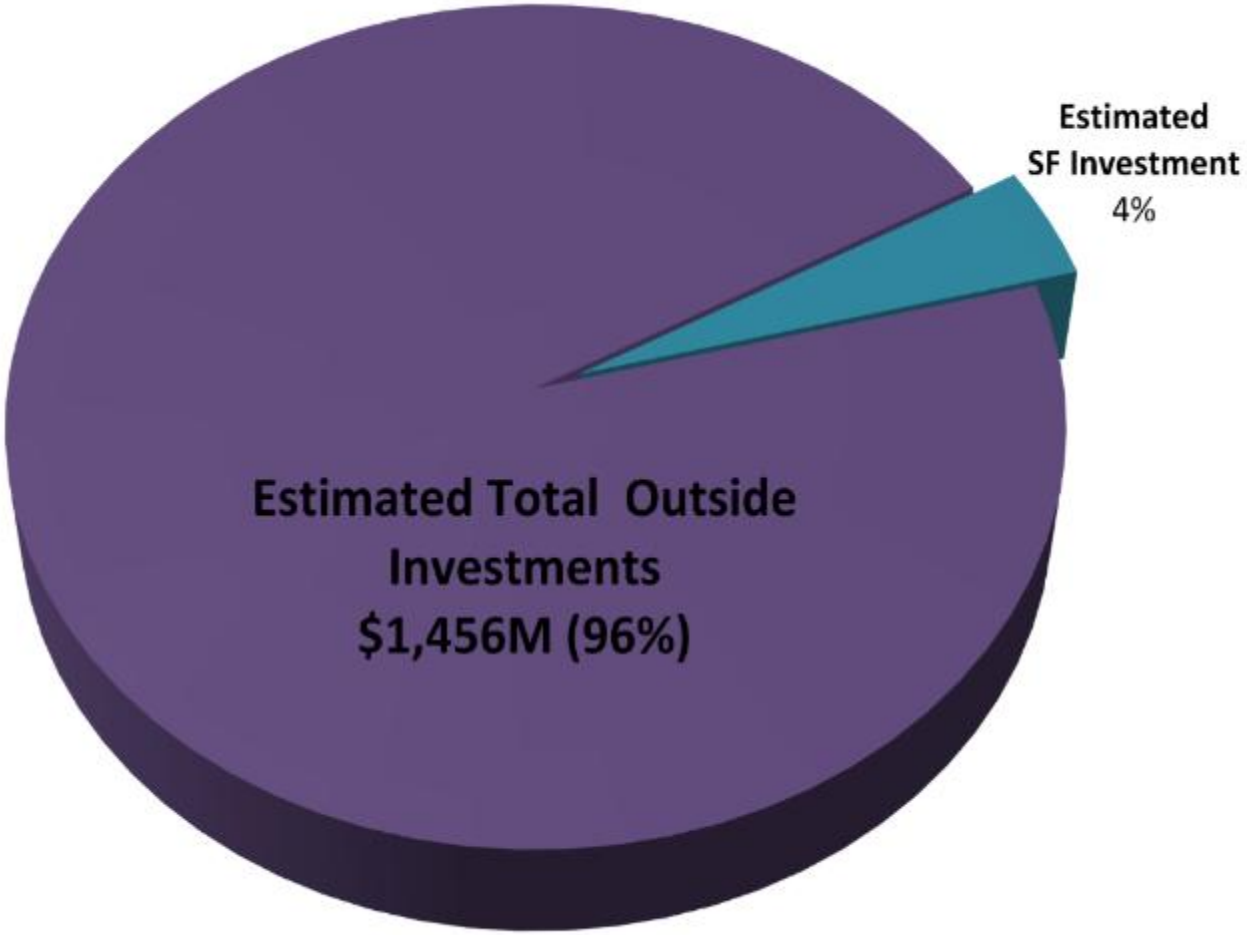
FLORIDA'S Aerospace Industry Clusters



Satellite Systems and Payloads



SPACE FLORIDA'S PROJECTED INVESTMENTS
… … (over the next 3 years)



Space Transportation and
Technologies Support Systems

The Space Industry is Transitioning!

… … … Private Sector Role Increasing!

- *Global Space Industry Revenues from Commercial Sources, far exceed Government!*
- *Even without Sequestration, Federal Budgets for Space will be severely constrained.*
- *The Long-Standing Policy of Commercial Reliance in Government … … will Increase!*

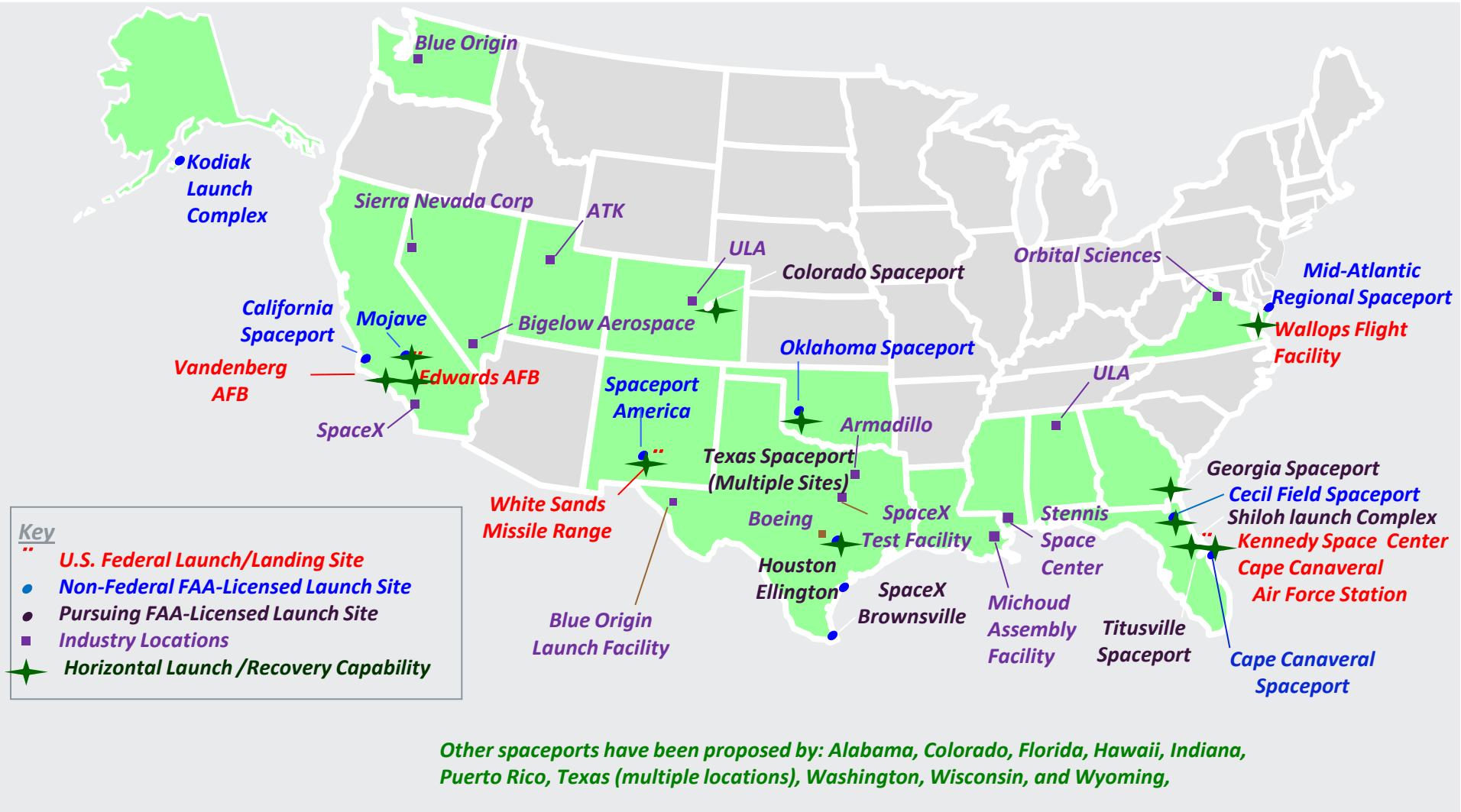
Launch Systems and Support

What Does Commercial Industry Mean?

- ***Private Capital at Risk, with Investment and a Management Team / Plan to reach Market!***
- ***Will Include both NewSpace and OldSpace Companies … … many New Entrants.***
- ***Government … Increasingly a Secondary Market***
- ***Commercial & Flexible Contracting Structures***
  - ***CPFF ➔ Fixed Pricing/Fixed Schedule***
  - ***More Commercial Off-the-Shelf***

Ground and Operations Support Systems

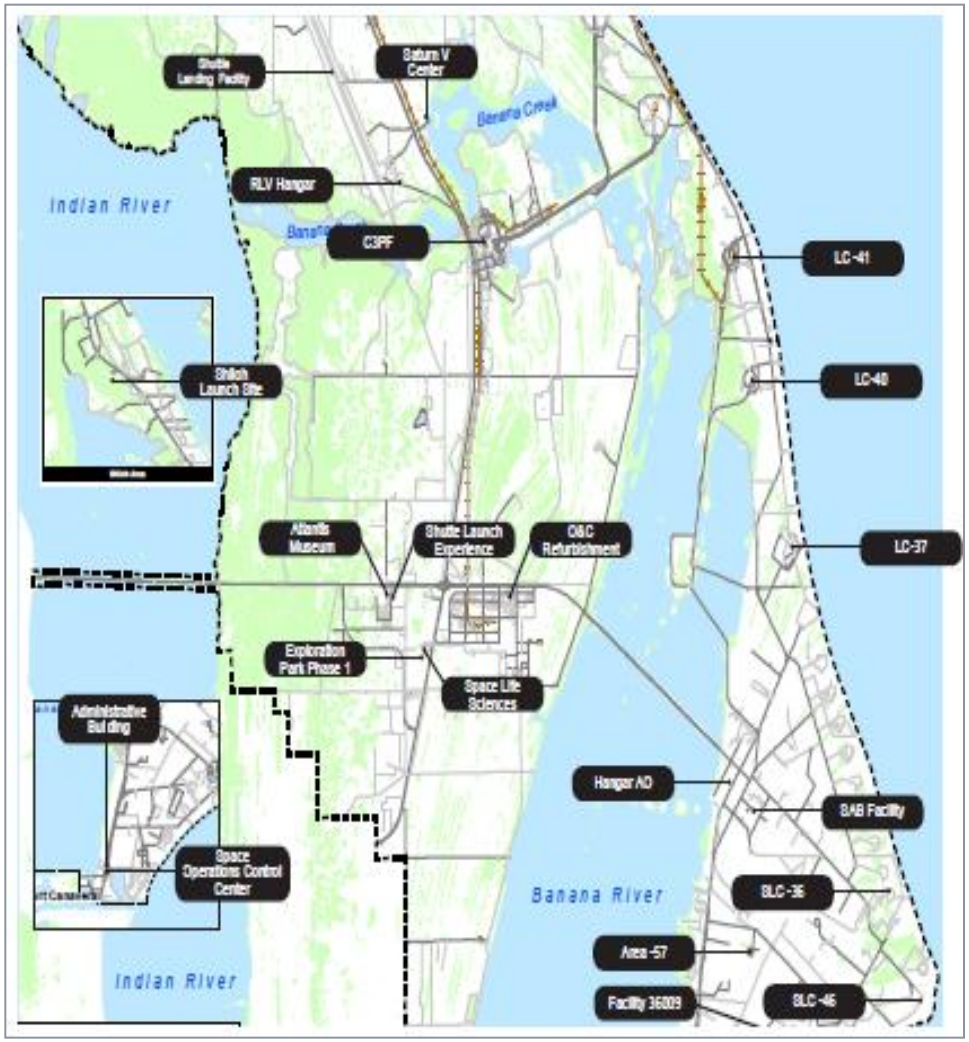
Space Industry Competition



Other spaceports have been proposed by: Alabama, Colorado, Florida, Hawaii, Indiana, Puerto Rico, Texas (multiple locations), Washington, Wisconsin, and Wyoming,

Commercial operators have multiple options outside of Florida.

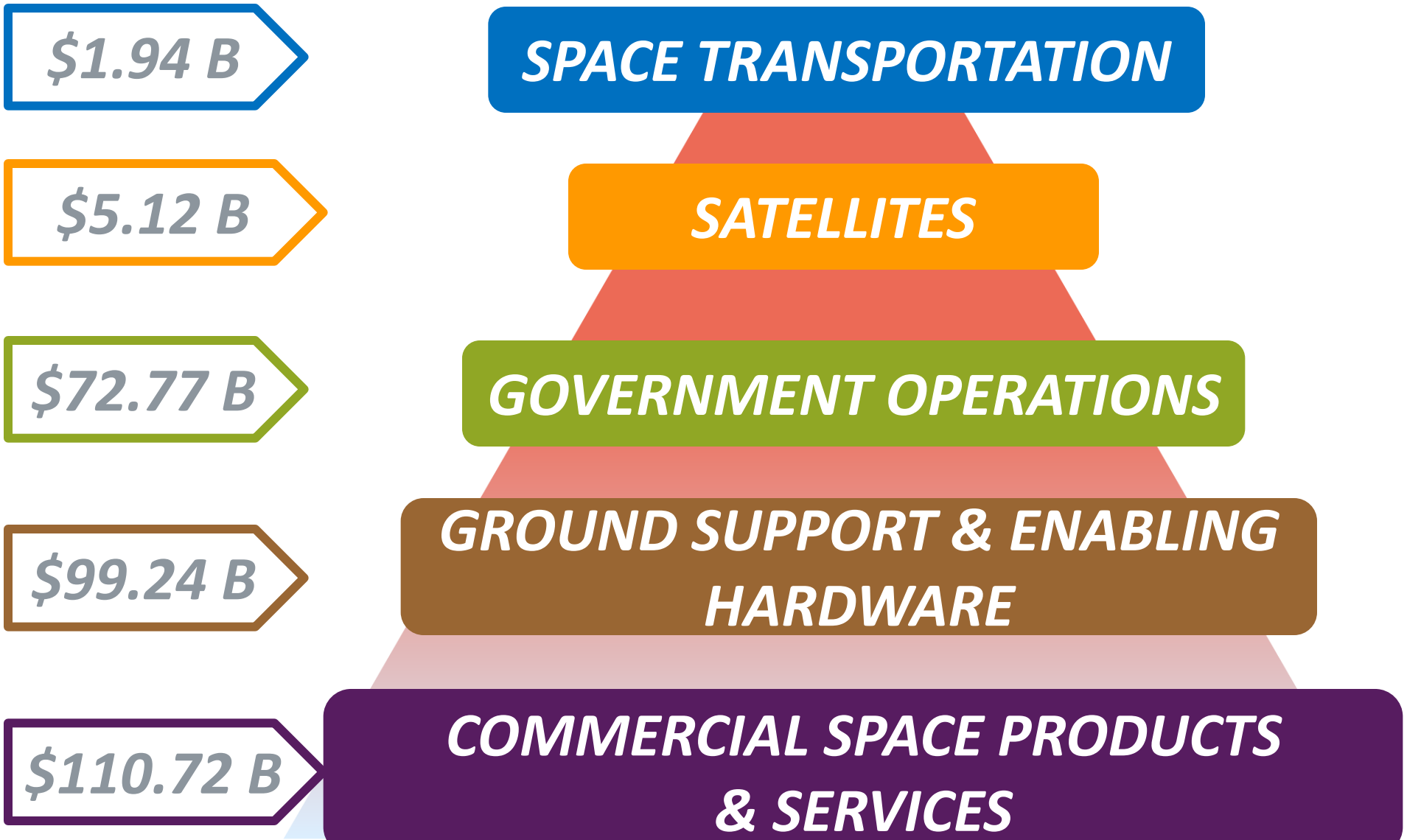
Florida Investments in CCS Infrastructure



Facility	Agreement Type	$ Funded/
Space Florida Current Real Property Agreements In Place:		
SLC-36	Real Property License	
SLC-46	Real Property License	$6,800,000
Space Life Sciences Laboratory	Land Lease	$25,500,000
RLV	Land Lease	$5,000,000
C3PF (formerly OPF3)	Use Permit	$10,000,000
SAB	Real Property License	
Exploration Park Phase I	Enhanced Use Agreement	$7,500,000
Space Florida Real Property Agreements In Work/In Renewal Status:		
Administration Building 90326	Real Property License	
Space Operations Control Center	Real Property License	
Area 57 Facilities	Real Property License	
Facility 36009	Real Property License	
Space Florida Financing Involement		
LC-41	Conduit Financing	$294,000,000
LC-37	Conduit Financing	$24,000,000
Saturn V Center	Conduit Financing	$25,000,000
Shuttle Launch Experience	Conduit Financing	$40,000,000
Atlantis Museum	Conduit Financing	$40,000,000
State of Florida/Space Florida Funding		
O&C Refurbishment at KSC		$35,000,000
LC-40 - Multiple Projects		$6,500,000
Hanger AO		$2,000,000
Space Florida Proposed Facility Acquisitions		
Shuttle Landing Facility		
Shiloh Launch Site(s)		
		Total Investment
		$516,300,000

Space Transportation and Technologies Support Systems

Facing Space Market Growth Areas



$290 Billion Space Economy!

*Data from The Space Report 2012

New Initiatives

- ***Horizontal Site Development Initiatives***
  - ***Shuttle Landing Facility (SLF)***
  - ***Cecil Spaceport …(Titusville) Others under consideration***
- ***Florida Unmanned Systems Initiative***
  - ***Sites - statewide for UAS Operations***
- ***New Commercial Site Initiative (Shiloh)***

COMMERCIALIZE SHUTTLE LANDING FACILITY

- NASA's formal decision June 2013
- Multiple customers engaged for operations
- Assessing KSC Future Development Concept studies & designs for common infrastructure improvements, partnership & leverage opportunities
- Commercialization Roadmap

  Transfer Decision

  Agreement development

  Operations standup

  SLF improvements

FLORIDA's Unmanned Aircraft System Initiative

Supporting the FAA 's safe, prudent integration of UAS technologies into National Air Space.

State-wide capabilities includes ranges & air space, simulation & research centers, unique FAA approved next generation systems, university curriculums and industry partners .

FAA UAS Test Site solicitation response submitted 6 May / Selection advertised for December 2013 / FAA Site verification visits / Formalizing agreements & procedures / Continuing operations opportunities

UAS Industry Market Analysis

GAO Report 15 Feb 2013

$89B Global Market

$28.5B in Research

62% in US Research

Florida's UAS Team – Creating Opportunities

Commercial Vertical Launch Initiative - Shiloh

- *Targeting commercial launch market to complement the existing federal market & launch infrastructure*
- *Commercial launch operators addressing market demand for non-federal launch environment*
- *Effort aligned to FAA Office of Space Transportation (FAA-AST) Site Operators license process*
- *Shiloh Environmental Impact Statement (EIS) in work*
- *NASA concurred with FAA Office of Space Transportation as Lead Agency with NASA KSC as Cooperating Agency for Shiloh EIS*

Launch Systems and Support

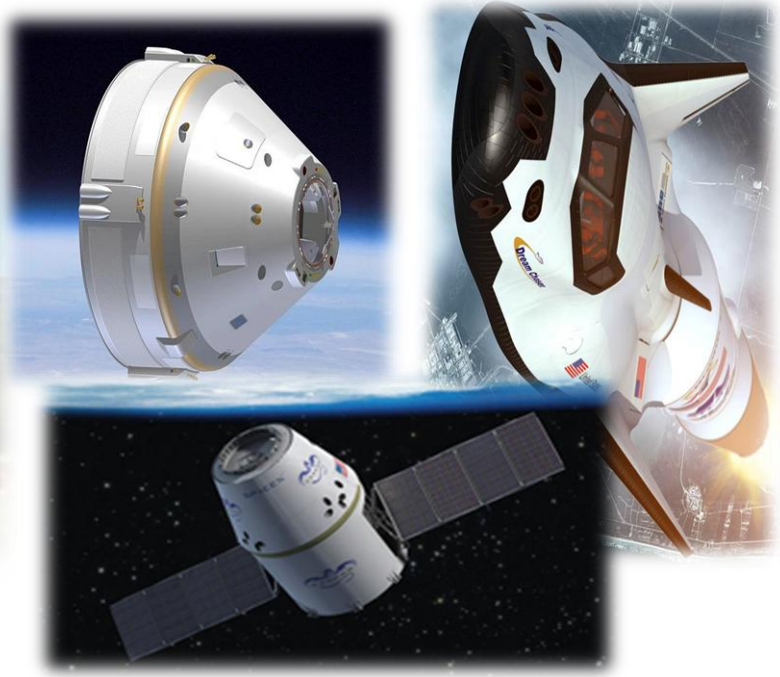
Statewide Spaceport System Plan
Cape Canaveral Spaceport Master Plan

Space Florida Board Approved

Fall 2013

Spaceport Master Plan Objectives/Goals

Advance Commercial Heavy Lift



Support Commercial Crew and Cargo

Expand Horizontal Launch and Landing

Expand Statewide Space Capacity

Attract New Emerging Space Systems

Questions

Launch Systems and Support