



# Johnson Space Center Small Business Council

September 30, 2014

[www.jscsborg.weebly.com](http://www.jscsborg.weebly.com)

# Welcome

**Presentation of Colors  
A Special Thank You  
to the  
Clear Lake High School JRTOC  
and  
Clear Creek High School Chamber Singers**

# Johnson Space Center Small Business Council Overview

**Rich Larson, 2014/2015 Chair JSC SBC**



# Mission

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- To jointly provide a premiere open forum to maximize direct communication with the Small Business (SB) community and the JSC procurement, management, and technical community to maximize the value and impact of the SB community.

- Provide a proactive voice to influence and increase small business opportunities at JSC
  - Create a collaborative environment among SBC members
  - Increase visibility into business opportunities
  - Create a forum to share and exchange information and experiences
  - Provide insight into changes to policies and regulations as they relate to doing business with the Federal Government

- General Membership
  - Executive Leadership Council – 15 SB Members
    - Officers
      - Chairperson – Rich Larson/MEI Technologies
      - Vice Chairperson – Anita Renteria/Barrios Technology
      - Secretary – Pearl Wright/4W Solutions
  - Government Representatives
    - JSC Industry Assistance Representative – Kelly Rubio (In transition)
    - SBA Representative – Valerie Coleman
  - Ad hoc Committees – Appointed as required



# General Membership

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- Must be Small Business
- SAM registration required
- One vote per Company
- One official point of contact per Company plus designated alternate
- Large Businesses and other interested parties may participate in meetings/events but will not be considered members of the Small Business Council



# Executive Leadership Team

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## 2014 EXECUTIVE LEADERSHIP MEMBERS

	Company	SB	WOSB	EDWOSB	VOSB	SDVOSB	SDB	8A	HUBZone
1	4W Solutions	X	X	X			X		
2	Adelante	X	X	X			X		
3	Aerodyne	X			X	X			
4	Anadarko Industries	X					X		
5	All Points	X			X	X			
6	Barrios Technology	X	X						
7	Bonus Software	X	X						
8	Cimarron	X	X						
9	Implemetrics	X					X		X
10	JES Tech	X	X	X			X	X	
11	Jasmine Consulting	X	X						
12	Logical Innovations	X	X	X			X	X	
13	LZ Technologies	X	X	X					
14	MEI Technologies	X			X	X			
15	MRI Technologies	X	X				X	X	



- The Executive Leadership Council meets on a monthly basis to plan future activities and work with the government representatives to identify areas critical to the small business community and develop opportunities for collaboration.
- It is the goal of the JSC SBC to hold biannual meetings open to the General Membership and other interested parties.
- The next meeting of the General Membership and invited guests is tentatively planned for the spring of 2015.

# JSC Direction, 2015 and Beyond

Melanie Saunders, Associate Director JSC



National Aeronautics and  
Space Administration



JOHNSON SPACE CENTER

September 30, 2014

# JSC VISION

Lead a global enterprise in human space exploration that is sustainable, affordable, and benefits all humankind

# JSC MISSION

Provide and apply the preeminent capabilities to develop, operate, and integrate human exploration missions spanning commercial, academic, international, and US government partners



**Lead Human Exploration**



**Lead Internationally**



**Excel in Leadership,  
Management, and  
Innovation**



**Expand Relevance to  
Life on Earth**

Exploit the ISS as a cornerstone of human exploration

Enable commercialization of LEO

Extend human exploration beyond LEO

<http://strategicplan.jsc.nasa.gov/>

Leverage ISS experience to lead international community participation

Guide development of Global Exploration Roadmap

Champion international participation in the development of exploration capabilities

Lead through innovative technical and business management practices

Lead by Fully engaging the human spaceflight team

Intertwine JSC in mutually beneficial partnerships

Inform, educate and engage all generations to advance exploration

Strategically communicate JSC's relevance

# HUMAN EXPLORATION

*NASA's Path to Mars*



## EARTH RELIANT

MISSION: 6 TO 12 MONTHS  
RETURN TO EARTH: HOURS



Mastering fundamentals  
aboard the International  
Space Station

U.S. companies  
provide access to  
low-Earth orbit

## PROVING GROUND

MISSION: 1 TO 12 MONTHS  
RETURN TO EARTH: DAYS



Expanding capabilities by  
visiting an asteroid redirected  
to a lunar distant retrograde orbit

The next step: traveling beyond low-Earth  
orbit with the Space Launch System  
rocket and Orion spacecraft

## MARS READY

MISSION: 2 TO 3 YEARS  
RETURN TO EARTH: MONTHS



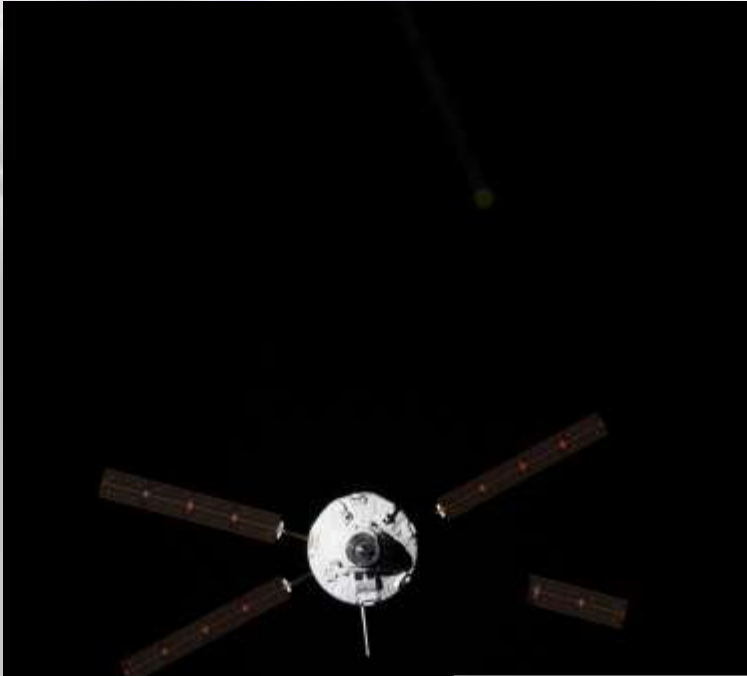
Developing planetary independence  
by exploring Mars, its moons and  
other deep space destinations



# ORBITAL SCIENCE'S CYGNUS 2



# EUROPE'S AUTOMATED TRANSFER VEHICLE-5





# EXPEDITION 40 SCIENCE



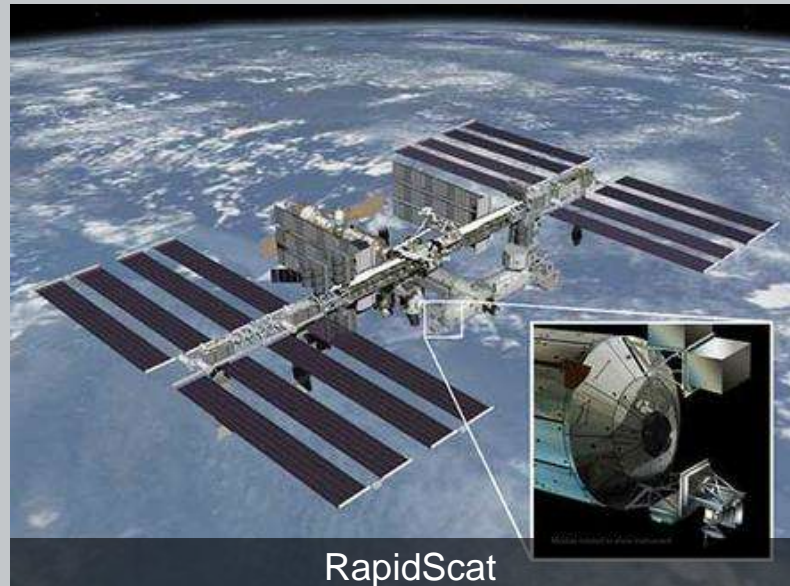
Alpha Magnetic Spectrometer-02



KidsArm Biopsy Tool



NanoRacks CubeSats



RapidScat

# MICE, MINNOWS AND VEGGIES ON ISS



Rodent Research Adds to Health Studies



VEGGIES in Space



Zebrafish Muscle

# COMMERCIAL CREW TRANSPORTATION



# ORION'S PROGRESS TO FIRST FLIGHT



EFT-1 Crew Module/Service Module Mate



Crew Service Module Functional & Closed Loop Testing



Back Shell Installation



Underway Recovery Test

# ASTEROID RETRIEVAL MISSION



## IDENTIFY

Ground and space based assets detect and characterize potential target asteroids



Pan-STARRS



Infrared Telescope Facility



Goldstone



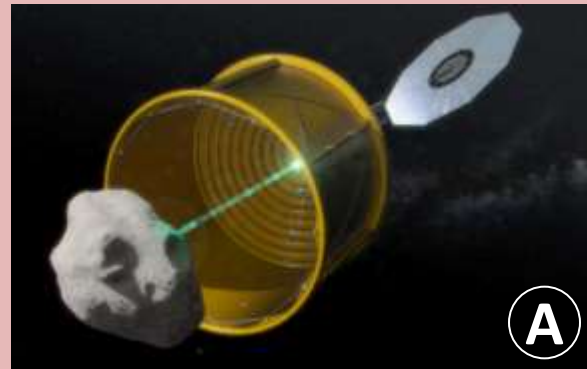
Arecibo



NEOWISE

## REDIRECT

Solar electric propulsion (SEP) based robotic capture system redirects asteroid to cis-lunar space (two options)



A



B

## EXPLORE

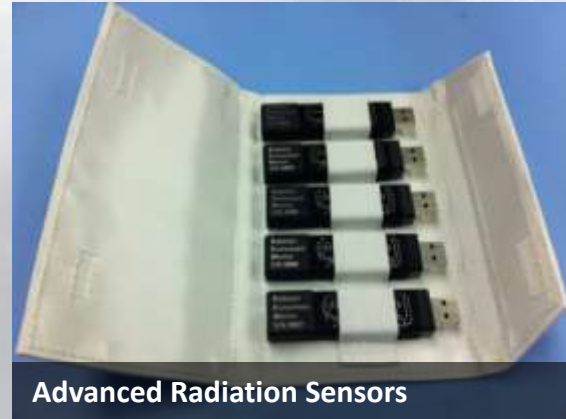
Crews launch aboard SLS rocket, travel to redirected asteroid in Orion spacecraft to rendezvous with redirected asteroid – explore, study, sample return to Earth



# ADVANCED EXPLORATION SYSTEMS



Bigelow Expandable Activity Module (BEAM)



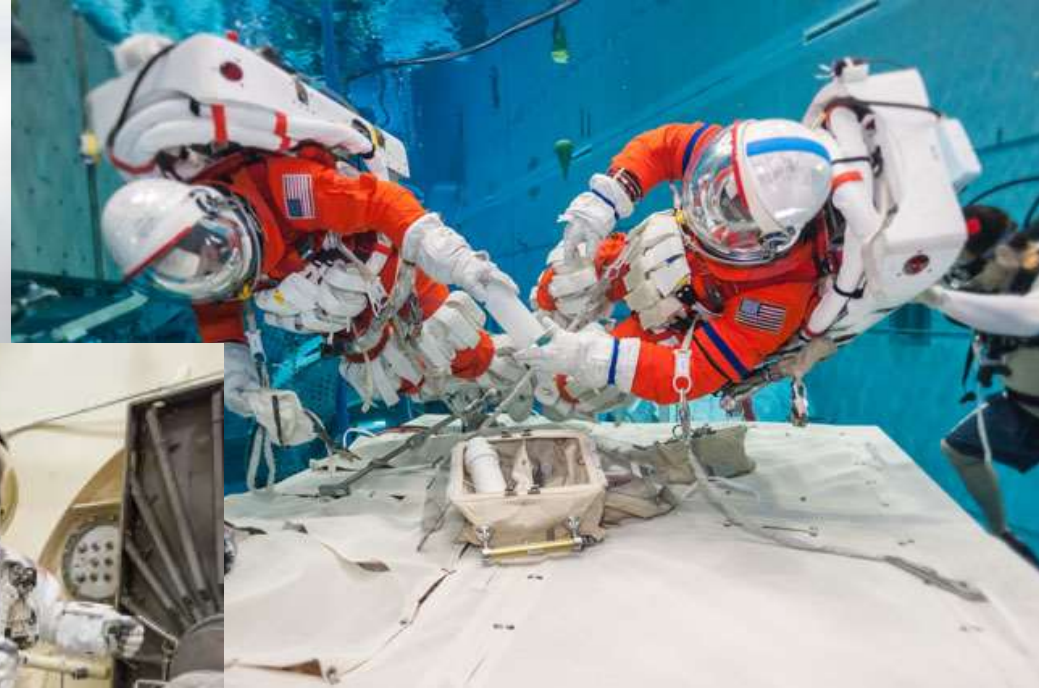
Advanced Radiation Sensors



Untethered Morpheus Flight



# ADVANCED EXPLORATION SYSTEMS: SUITS



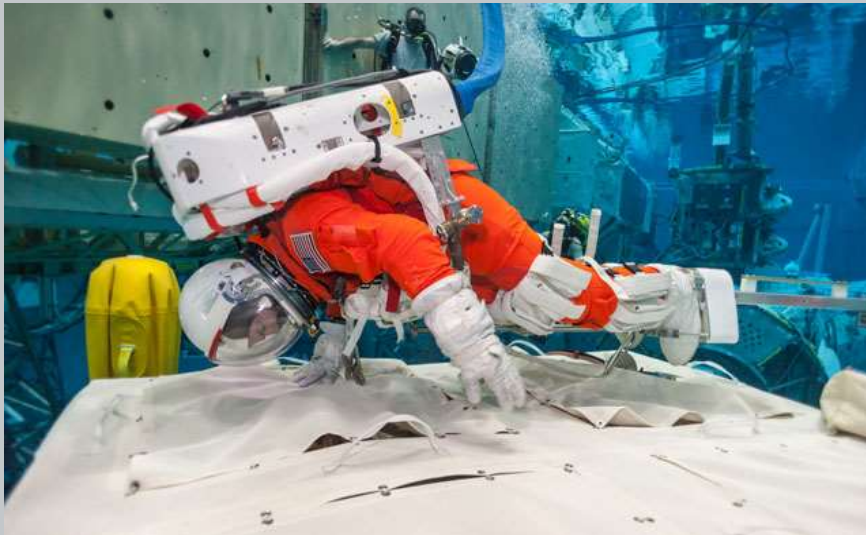
# JSC 2.0: LEAN, AGILE, AND ADAPTIVE TO CHANGE



Mission Control Center (MCC-21)



Building 21



Neutral Buoyancy Laboratory



Demolition of Buildings 225 and 226 for New Green Space



# ORGANIZATION CHART



\*Director reports to HQ

\*\*Host center/PM at KSC

# COLLABORATIONS PARTNERSHIPS INNOVATION



No Drill Dentistry



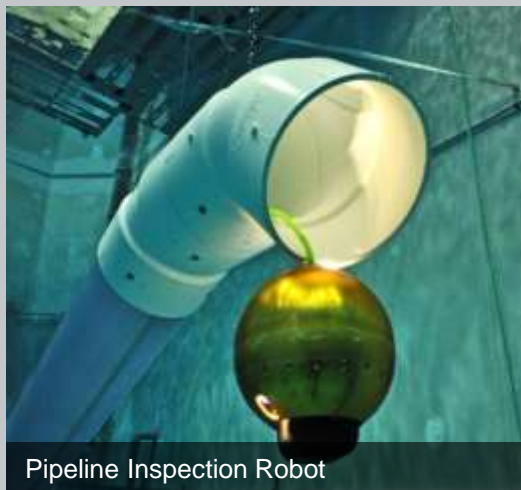
Biofilm Eradication



Monitoring System: Offshore Oil Rigs



Oil Rig Rescue Operations



Pipeline Inspection Robot



Humanoid Robotics

# INSIDE INDEPENDENCE: A NEW LANDMARK



# JSC Office of Procurement 2.0

**Debra Johnson, Director  
Office of Procurement JSC**

# JSC 2.0

- **JSC 2.0's goal is to advance human spaceflight by being lean, agile, responsive and adaptive**
  - **Mission**: exploration missions, leading to a mission to Mars
  - **Why**:
    - The NASA budget is less
    - The spaceflight world is rapidly changing (new entrants, new tools and new processes)
    - Any organization that is not changing as quickly as its environment is falling behind
  - **How**:
    - Fits a budget that both the Administration and Congress are willing to provide
    - Leads to smart decisions about roles for commercial and international partners, and engages the public
    - Makes the best use of every person we have

# Small Business

- As NASA's Budget decreases, JSC's Budget also decreases.  
JSC continues to look for opportunities for small business
- We need to hear from you about our procurement processes, and any ways that you think that we can improve them  
Tell us what you think
- Respond to market research
- Industry Assistance Office  
Primary POC  
We want and expect to hear from you

# Contact Information

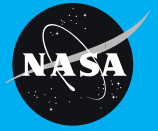
Website: <http://procurement.jsc.nasa.gov/smbus.html>

NASA Vendor Database: <https://vendors.nvdb.nasa.gov>

Facebook: [www.facebook.com/NASASmallBusiness](http://www.facebook.com/NASASmallBusiness)

Twitter: [http://twitter.com/NASA\\_OSBP](http://twitter.com/NASA_OSBP)

JSC BA Homepage: <http://procurement.jsc.nasa.gov/>



Office of  
**Small Business Programs** (OSBP)  
where small business makes a **big** difference



Glenn A. Delgado, Associate Administrator

# DOING BUSINESS WITH NASA

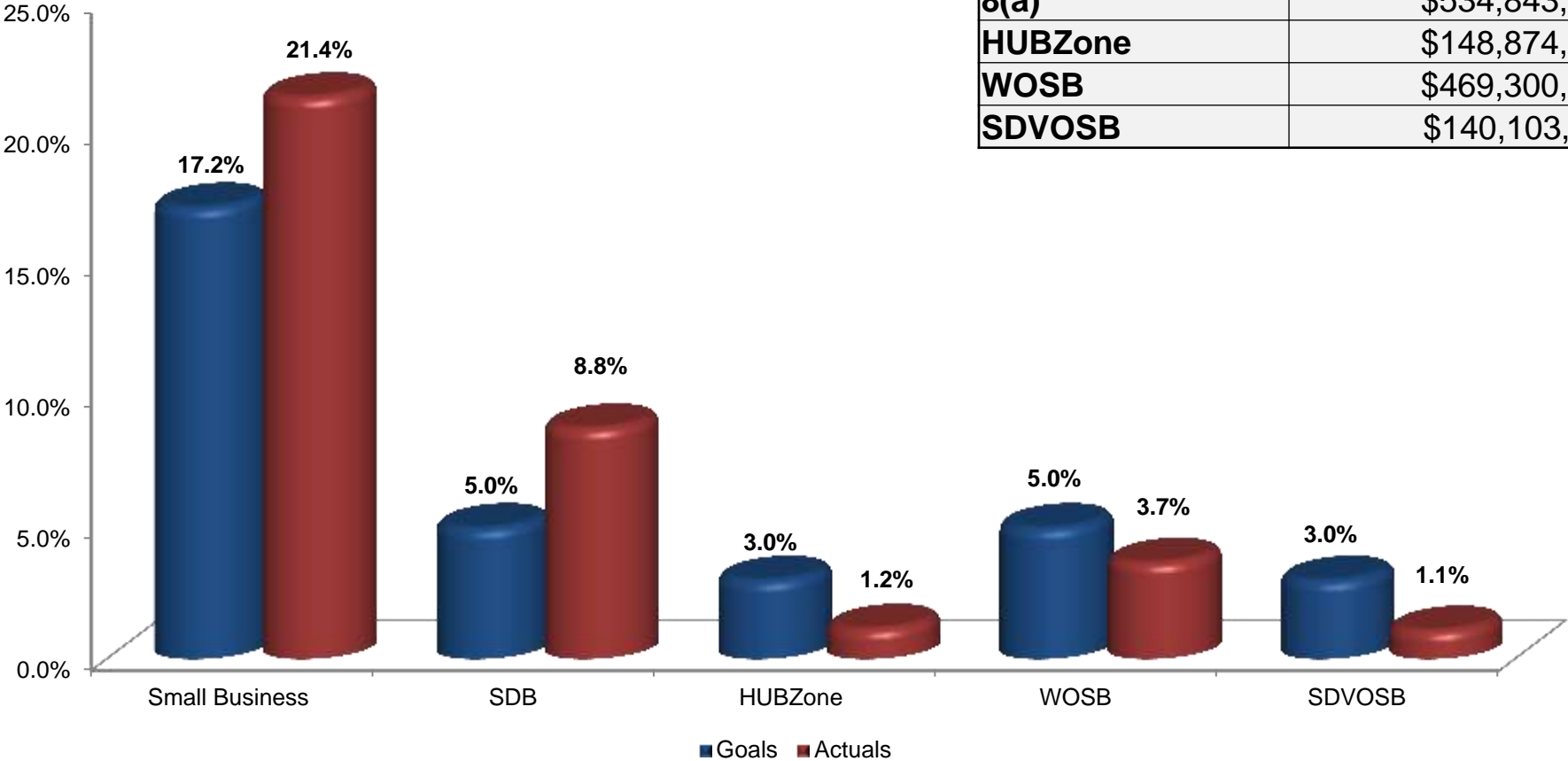
JOHNSON SPACE CENTER SMALL BUSINESS COUNCIL  
INAUGURAL MEETING

September 30, 2014



# NASA Agency Final FY13 Prime Goals vs. Actual Percentages

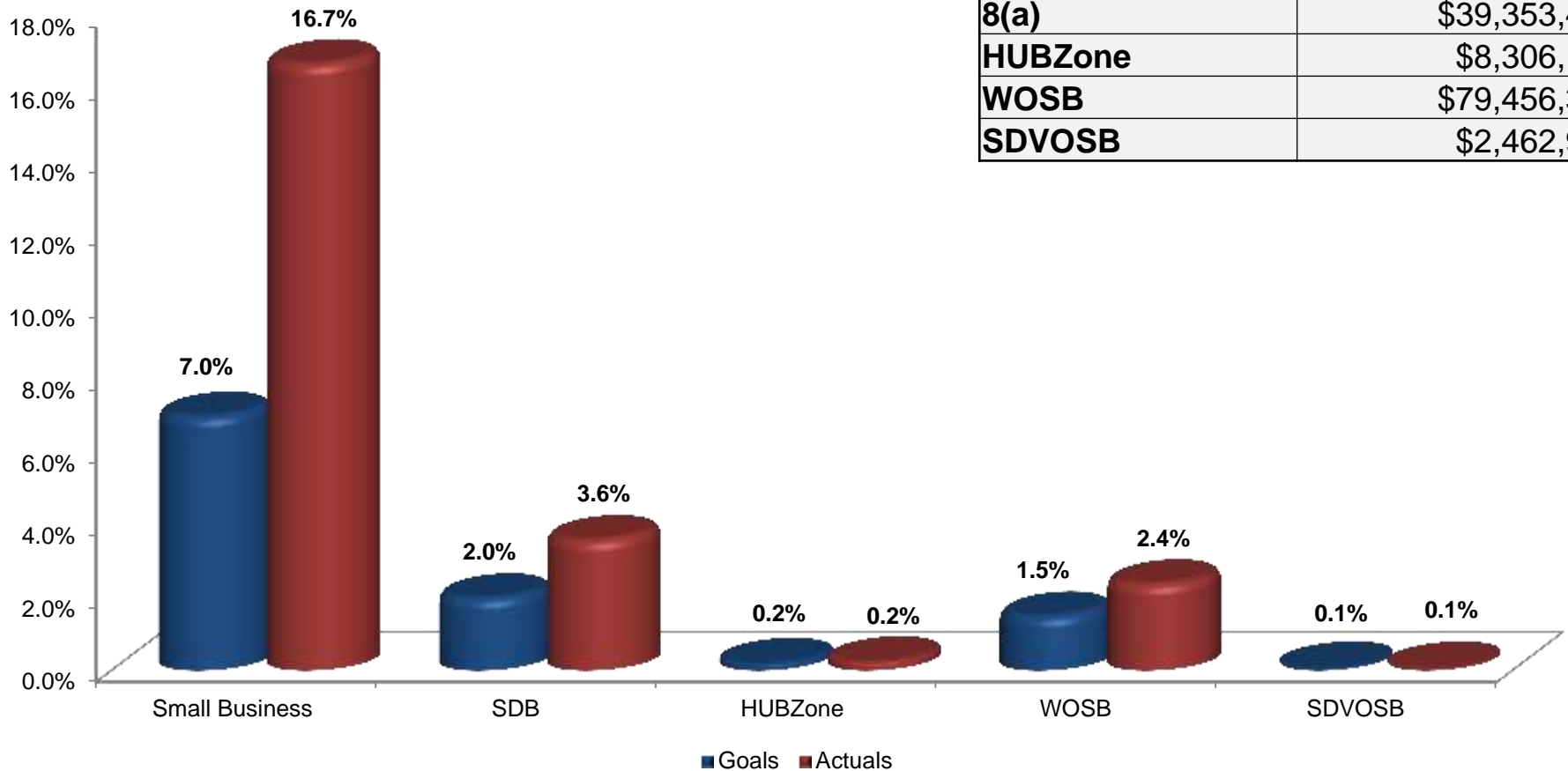
Data generated November 4, 2013 from FPDS-NG



CATEGORY	DOLLARS
<b>TOTAL DOLLARS</b>	\$12,732,212,886
<b>SMALL BUSINESS</b>	\$2,723,797,037
<b>SDB</b>	\$1,119,313,798
<b>8(a)</b>	\$534,843,177
<b>HUBZone</b>	\$148,874,086
<b>WOSB</b>	\$469,300,703
<b>SDVOSB</b>	\$140,103,911

## Prime Goals vs. Actual Percentages

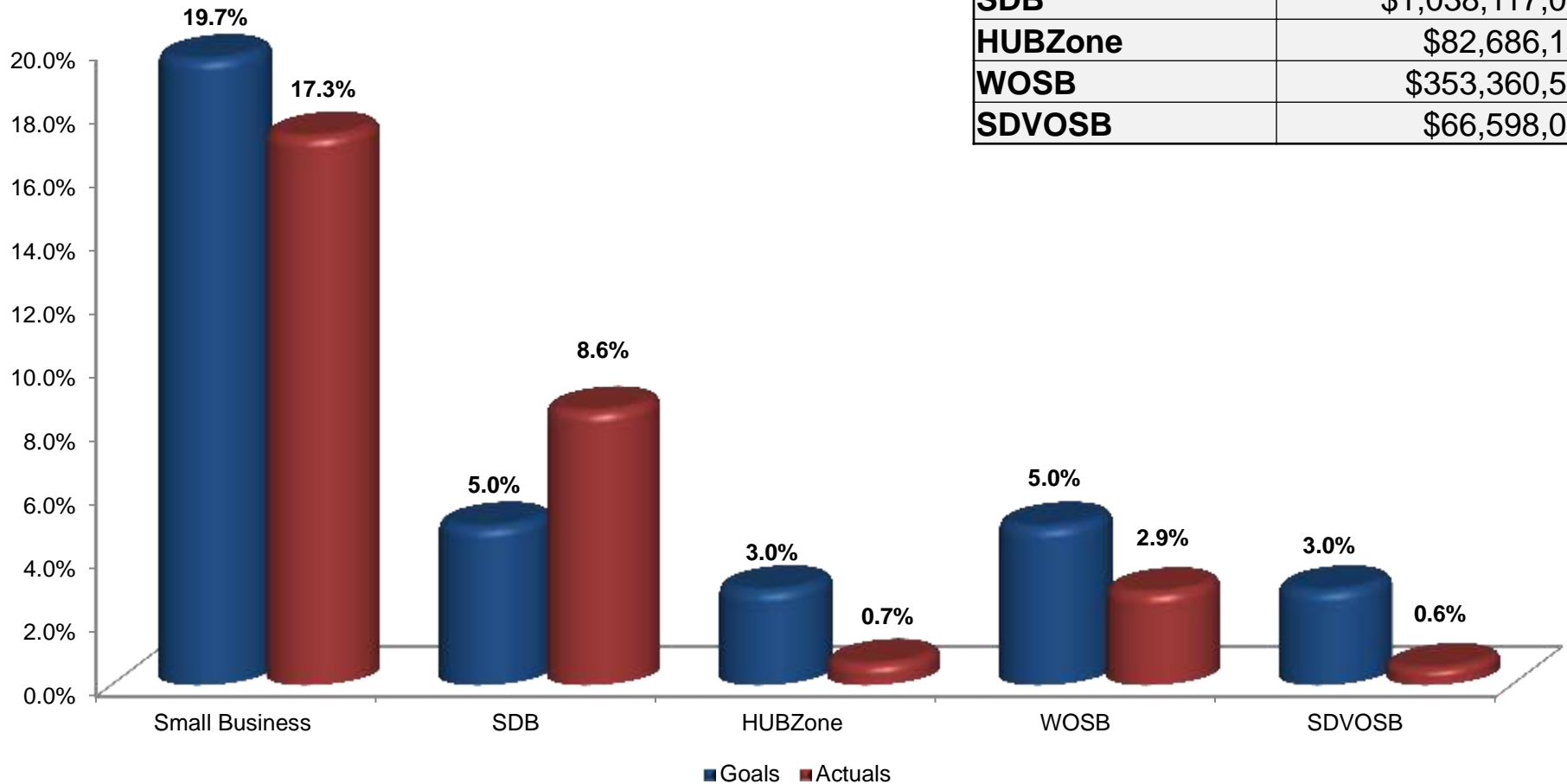
Data generated November 4, 2013 from FPDS-NG



CATEGORY	DOLLARS
TOTAL DOLLARS	\$3,328,574,923
SMALL BUSINESS	\$555,805,202
SDB	\$119,885,934
8(a)	\$39,353,456
HUBZone	\$8,306,198
WOSB	\$79,456,352
SDVOSB	\$2,462,936

# NASA Agency August FY 2014 Prime Goals vs. Actual Percentages

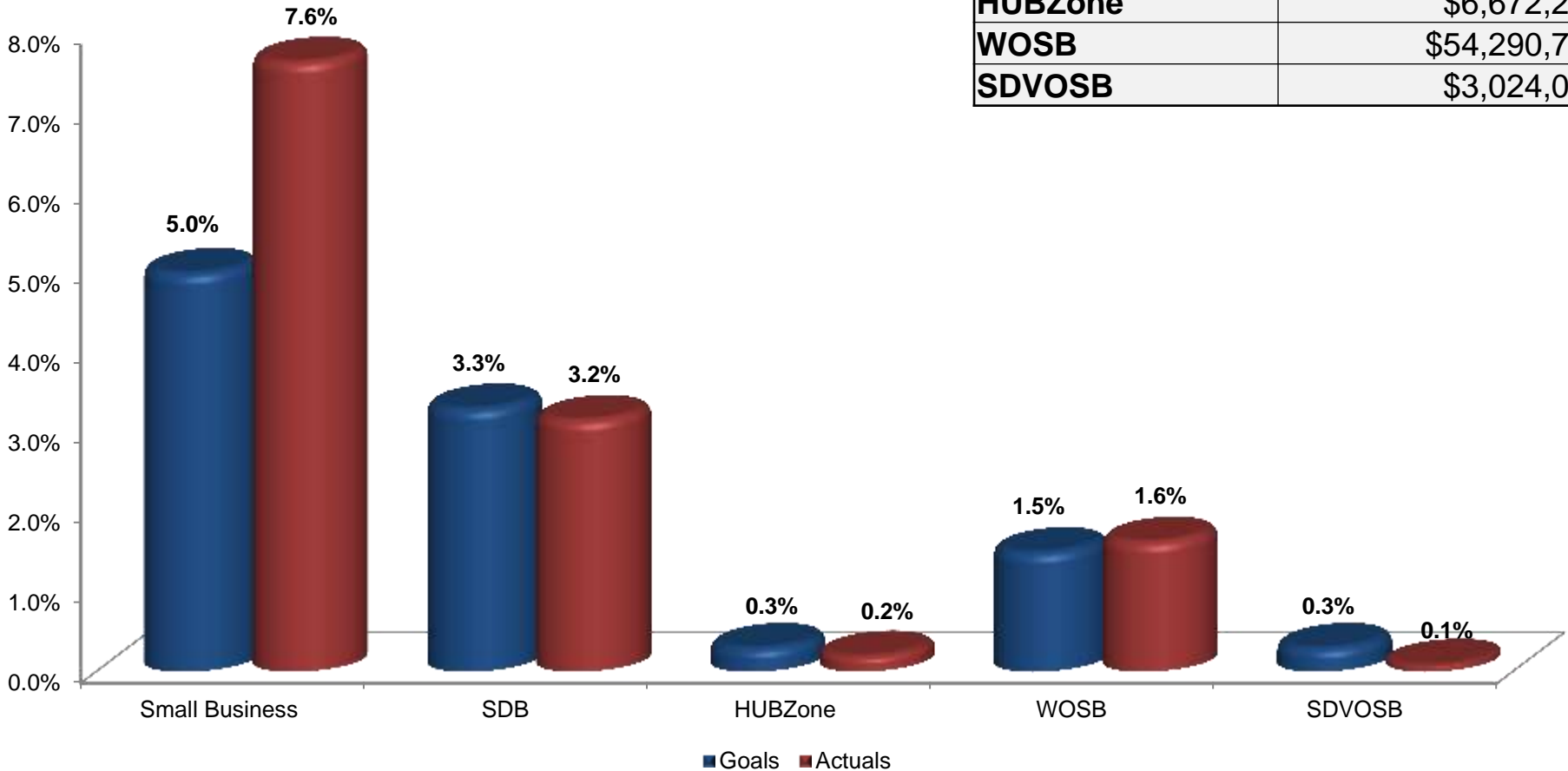
Data generated September 3, 2014 from FPDS-NG



CATEGORY	DOLLARS
TOTAL DOLLARS	\$12,023,773,889
SMALL BUSINESS	\$2,077,591,821
SDB	\$1,038,117,065
HUBZone	\$82,686,153
WOSB	\$353,360,598
SDVOSB	\$66,598,020

## Prime Goals vs. Actual Percentages

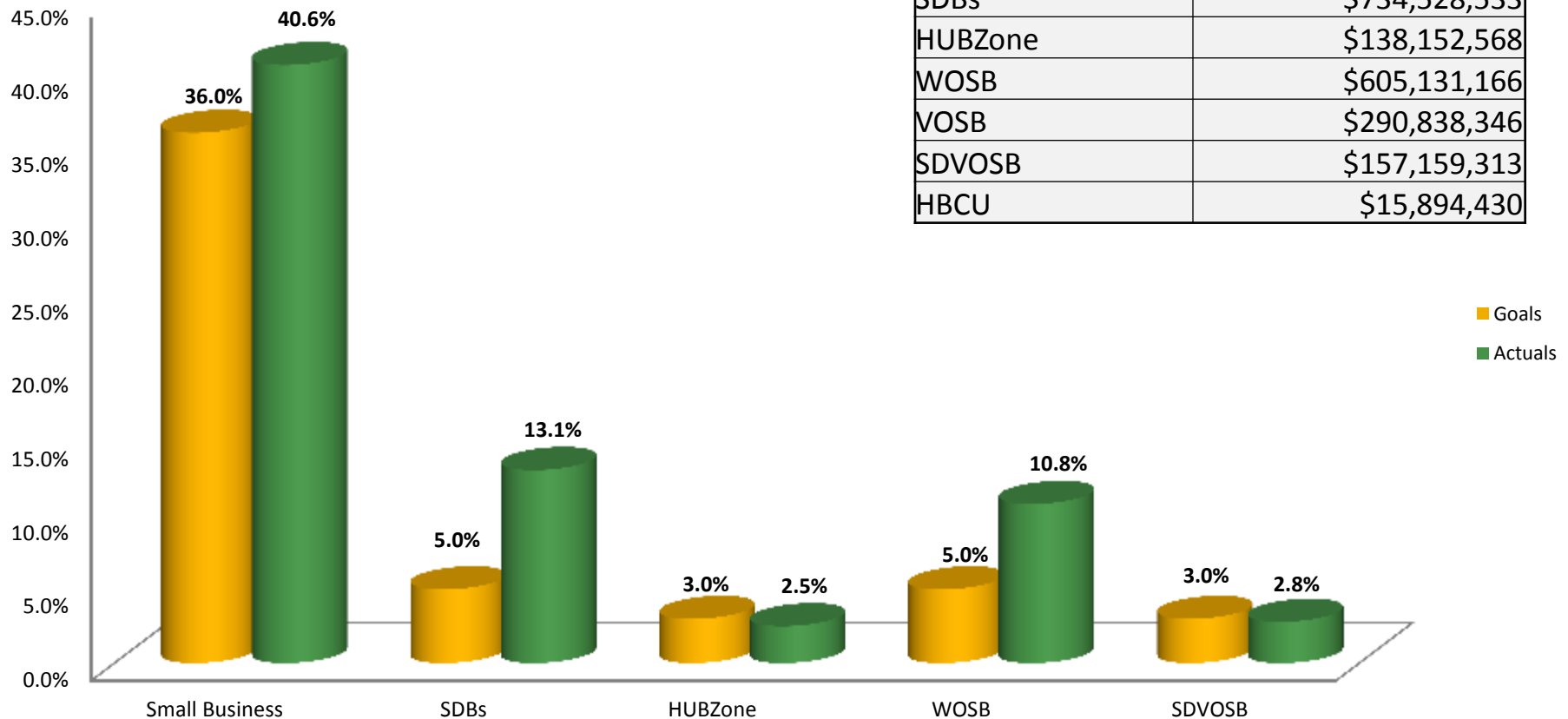
Data generated September 3, 2014 from FPDS-NG



CATEGORY	DOLLARS
TOTAL DOLLARS	\$3,325,658,629
SMALL BUSINESS	\$254,315,698
SDB	\$104,992,415
HUBZone	\$6,672,252
WOSB	\$54,290,736
SDVOSB	\$3,024,077

# NASA FY 2013 Subcontracting Goals vs. Actual Percentages End-Year

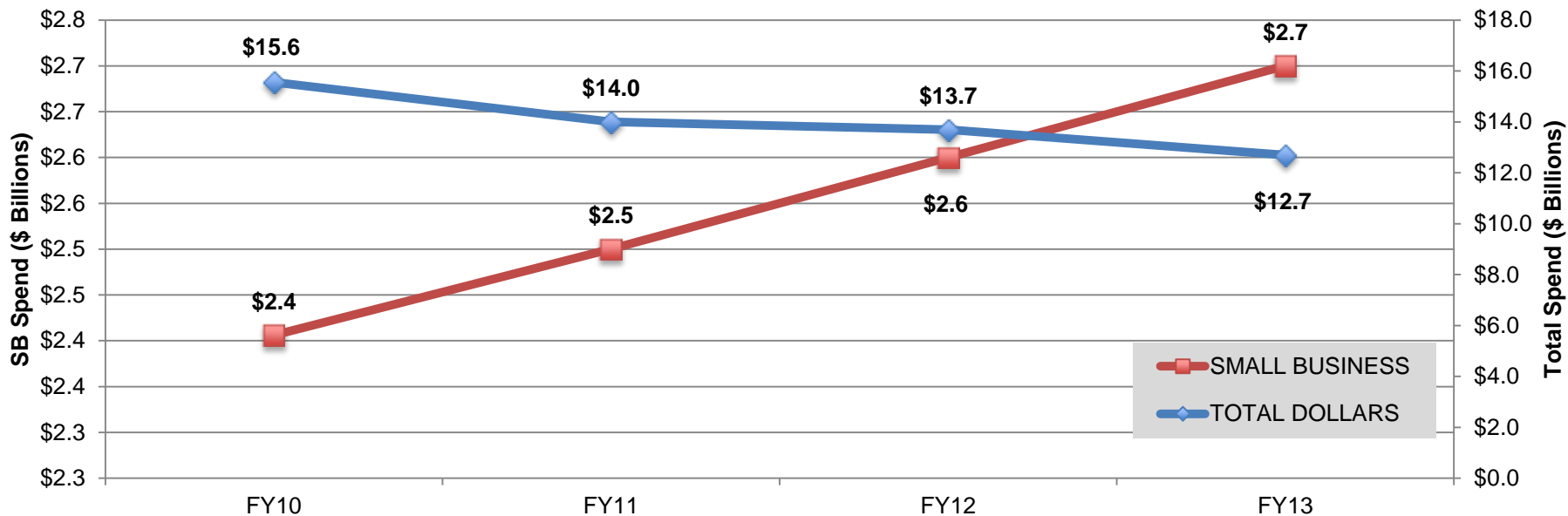
Data pulled February 5, 2014 from eSRS



CATEGORY	DOLLARS
Total Dollars	\$5,611,338,417
Small Business	\$2,277,683,978
SDBs	\$734,528,533
HUBZone	\$138,152,568
WOSB	\$605,131,166
VOSB	\$290,838,346
SDVOSB	\$157,159,313
HBCU	\$15,894,430

# National Aeronautics and Space Administration (NASA)

Data from SBA Scorecards FY10-FY13



YEAR	GRADE	CATEGORY	FY10	FY11	FY12	FY13
FY10	C	<b>TOTAL DOLLARS</b>	\$15.6B	\$14.0B	\$13.7B	\$12.7B
		<b>SMALL BUSINESS</b>	\$2.4B	\$2.5B	\$2.6B	\$2.7B
FY11	B	<b>WOSB</b>	\$349.0M	\$386.5M	\$401.8M	\$469.3M
FY12	A	<b>SDB</b>	\$1.1B	\$982.6M	\$1.0B	\$1.1B
		<b>SDVO SB</b>	\$238.0M	\$178.4M	\$138.8M	\$140.1M
FY13	A	<b>HUBZone</b>	\$139.0M	\$106.9M	\$93.1M	\$148.9M

# Fiscal Year 2013 Top 20 NASA Vendors

(As of January 24, 2014 from FPDS-NG)

Vendor Name	Total Dollars
CALIFORNIA INSTITUTE OF TECHNOLOGY	\$1,706,979,832
LOCKHEED MARTIN CORPORATION	\$1,613,899,378
THE BOEING COMPANY	\$1,470,087,907
JACOBS TECHNOLOGY INC.	\$635,454,117
RAYTHEON COMPANY	\$459,107,856
NORTHROP GRUMMAN SPACE AND MISSION SYSTEMS CORPORATION	\$373,266,896
SPACE EXPLORATION TECHNOLOGIES CORP.	\$354,643,704
SGT, INC.	\$305,147,588
UNITED LAUNCH SERVICES, LLC	\$297,842,533
SCIENCE APPLICATIONS INTERNATIONAL CORPORATION	\$283,224,149
GENERAL DYNAMICS C4 SYSTEMS, INC.	\$227,651,278
ORBITAL SCIENCES CORPORATION	\$208,350,055
ATK LAUNCH SYSTEMS INCORPORATED	\$199,185,987
QINETIQ NORTH AMERICA, INC.	\$145,124,369
URS FEDERAL TECHNICAL SERVICES, INC.	\$140,114,887
PRATT AND WHITNEY ROCKETDYNE INCORPORATED (UNITED TECHNOLIGES CORP.)	\$135,269,287
UNITED SPACE ALLIANC, LLC	\$136,309,036
EXELIS INC.	\$134,215,824
WYLE LABORATORIES INCORPORATED	\$128,988,826
JOHNS HOPKINS UNIVERSITY	\$124,405,964

# Active Contract Listings

NASA PROTECTIVE SERVICES CONTRACTS						
CONTRACTS/REQUEST FOR PROPOSALS (RFPs)						
CENTER	NAICS	CONTRACTOR NAME	RFP/CONTRACT STATUS	SOLICITATION METHOD	POTENTIAL VALUE	ULTIMATE CONTRACT END DATE
ARC	561612		RFP closed on 12/17/12 (NNA11366339R)	8(a) Competitive	tbd	tbd
AFRC	561612	Linxx Global Solutions	NND12AC65C	SDVOSB set-aside	\$15 M	9/30/2017 (last date to order)
GRC	561612	Linxx Global Solutions	NNC12CA25C	SDVOSB set-aside	\$32 M	7/31/2017
GSFC	561612	Alutiq Pacific LLC	NNG13AZ05C	8(a) Competitive	\$65 M	3/31/2018
HQ	561612	Security Support Services LLC	NNH12CE49C	8(a) Competitive	\$26 M	4/30/2017
JSC	561612	Chenega Security & Support Solutions, LLC	NNJ12JB86C	SB Set-Aside	\$86 M	9/30/2017
KSC	561612	Chenega Security & Support Solutions, LLC	NNK11OL33C	SB Set Aside	\$152 M	9/30/2016
LaRC	561612	The Whitestone Group	NNL12AA05C	8(a) Competitive	\$14 M	9/30/2016
MSFC	561612	Excalibur Services	NNM12AA08C	GSA FSS Schedule 84 - restricted to Small Businesses	\$43 M	9/30/2016
SSC	561612	I S S Action, Inc.	NNS12AA11C	8(a) Competitive	\$26 M	9/30/2016

\*Key: ARC - Ames Research Center  
 AFRC - Armstrong Flight Research Center  
 GRC - Glenn Research Center  
 GSFC - Goddard Flight Research Center  
 GSFC/HQ - Contracting Office is Goddard; Work is performed at NASA Headquarters)  
 JSC - Johnson Space Center

KSC - Kennedy Space Center  
 LaRC - Langley Research Center  
 MSFC - Marshall Space Flight Center  
 NMO - NASA Management Office at Jet Propulsion Laboratory  
 SSC - Stennis Space Center



# Active Contract Listings

NASA FACILITIES CONTRACTS						
CENTER	NAICS	CONTRACT NAME	CONTRACTOR NAME CONTRACT #	TYPE OF COMPETITION	POTENTIAL VALUE	ULTIMATE CONTRACT END DATE
ARC	561210	Business Operations and Technical Services (BOATS)	Deltha-Crtique NSS Joint Venture <b>NNA10DE58C</b>	SB Set-Aside	\$70 M	10/17/2015
ARC	561210	Facilities Maintenance Services (FMS)	IAP World Services <b>NNA10DF30C</b>	Full and Open	\$102 M	9/30/2015
ARC	561210	Aerospace Testing & Facilites O&M (ATOM)	Jacobs Technology <b>NNA09DB39C</b>	Full and Open	\$201 M	3/31/2015
ARC	561210	Logistics Management Services	Akima Logistics Services LLC <b>NNA12AC79B</b>	8(a) Competitive	\$48 M	9/30/2017
ARC	561210	Safety, Environmental, & Medical Support Services (SEMSS)	Earth Resources Technology <b>NNA13AA12B</b>	SB Set-Aside	\$55 M	11/04/2017 last date to order
ARC	561210	General Maintenance	Venezia Construction Inc. <b>NNA13AA44Z</b>	unknown	none stated - BPA	12/31/2017 last date to order
AFRC	561210	Facilities Operations and Maintenance Services	Helix Management Services, LLC <b>NND13AD53C</b>	8(a) Competitive	\$29.8 M	10/31/2018 last date to order
GRC	561210	Technical, Facilities, O&M, & Engineering (TFOME)	Sierra Lobo <b>NNC05CA95C</b>	SB Set-Aside	\$285 M	3/22/2015
GRC	561210	Technical Info, Admin, Logistics Svcs (TIALS)	SGT <b>NNC05CB17C</b>	SB Set-Aside	\$171 M	4/30/2015 last date to order
GRC	561210	GPSC Support Services	Mainthia <b>NNC09BA22B</b>	SB Set-Aside	\$24.9 M	9/30/2014 last date to order
GRC	561210	Operations of Central Process Systems	Mainthia <b>NNC09BA23B</b>	SB Set-Aside	\$26.9 M	9/30/2014 last date to order
GRC	561210	Facilities Operations Repair and Maintenance (FORM)	Call Henry Incorporated <b>NNG07BA04B</b>	Full and Open	\$101 M	9/30/2014 last date to order
GRC	561720	Janitorial Services	Creative Management Technology, Inc. <b>NNC14CA11C</b>	SB Set-Aside	\$11.9 M	12/31/2019 last date to order
GSFC	561210	Wallops Island Consolidated Services (WICCS)	LIT & Associates Inc <b>NNG14WA44C</b>	SB Set-Aside	\$259 M	3/31/2021 last date to order
GSFC	561210	Range Maintenance at the Poker Flat Research Range	University of Alaska <b>NNG12WA28C</b>	Sole Source	\$17.1 M	1/1/2019
GSFC	561210	O&M for IV&V Facility	West Virginia University Research Corporation <b>NNG13SA04C</b>	Sole Source	\$ 40 M	9/29/2018
GSFC	561210	Facilities Operations and Maintenance Services - Greenbelt	Chugach Federal Systems <b>NNG12AZ24C</b>	8(a) Competitive	\$116.7 M	10/31/2017



# Sources Sought

- RFIs
- New regulations
- 2010 Jobs Act
- 2014 NDAA

# Status of 2010 Small Business Jobs Act & 2014 National Defense Authorization Act

- The limitations on subcontracting proposed rule (NDAA 2013) was sent to OIRA for interagency review in June. Review may conclude this month and be issued as a proposed rule.
- The mentor protégé proposed rule was submitted to OIRA at the end of August. The interagency review period will conclude at the end of November, after which it will be issued as a proposed rule.
- The multiple award contracting, subcontracting, and size and status final SBA rules from the Jobs Act have been submitted to the FAR small business committee.

# Small Business Industry Day Events

- Senior level support at events
- Small Business Technical Coordinator participation is paramount
- Industry days are planned to coordinate with Small Business Specialists Council meetings
- Outreach still matters

Date	Center	Location	Socioeconomic Category
October 28, 2014	Kennedy Space Center	Cape Canaveral, FL	Women-Owned
February 3, 2015	Stennis Space Center	Bay St. Louis, MS	Service-Disabled Veteran-Owned
August 11, 2015	Johnson Space Center	Houston, TX	HUBZone



# NASA Industry Forum (NIF)

## About the NIF:

- Opportunity to share center-level information that is of concern to both NASA as well as NASA's contractors.
- Comprised of contractor representatives from all NASA centers
- Includes representatives from both small and other than small businesses.
- Fall NIF 2014 meeting hosted by JSC

# OSBP Social Media



NASASmallBusiness

Facebook

Likes: 101,477

Visits: 518

Weekly Total Post Reach: 4,400

<http://www.facebook.com/NASASmallBusiness>



@NASA\_OSBP

Twitter

Followers: 2,045

[http://twitter.com/NASA\\_OSBP](http://twitter.com/NASA_OSBP)



NASAOSBP

Blogger (Glenn Delgado's Blog)

Monthly Pageviews: 266

All time Pageviews: 5,710

<http://nasaosbp.blogspot.com/>



# Questions?

NASA Office of  
Small Business Programs  
300 E Street SW  
Washington, DC 20546

Tel: (202) 358-2088

Fax: (202) 358-3261

E-mail:

[smallbusiness@nasa.gov](mailto:smallbusiness@nasa.gov)

Web site:

[www.osbp.nasa.gov](http://www.osbp.nasa.gov)

NASA Vendor Database:

<https://vendors.nvdb.nasa.gov>

# Networking Break



# Technical Small Business Coordinators Panel Discussion

Moderator

Anita Renteria 2014/2015 Vice Chair JSC SBC



Small Business Council  
September, 2014

Johnson Space Center

# Goals of Small Business Council Day



- **Promote interest in opportunities at the Johnson Space Center (JSC)**
- **Inform Small Business companies of JSC's Opportunities**
- **Inform Small Business companies of JSC's Delivery Order process.**
- **Share with Companies the Vision and Key Elements of the JSC Center Operations Directorate (CenterOps) and existing contracts.**



# Center Operations Overview



Stephen P. Campbell  
Deputy Director



# Overview

- JSC was constructed in 1962-64 to support project Apollo.
- Sonny Carter Training Facility (SCTF) was constructed in 1990 to support the Space Station Program.
- Ellington Field (EF) opened in 1913. JSC facilities constructed in the 1940s to support WWII.
- White Sands Test Facility (WSTF) was established on the White Sands Missile Range in 1963 to support project Apollo.
- Acreage
  - JSC – 1,581 acres
  - EF – 37.7 acres
  - SCTF – 13 acres
  - WSTF – 5,140 acres
- Number of buildings
  - JSC - 166
  - EF - 27
  - SCTF - 5
  - WSTF - 164
- Total On-Site Workforce
  - JSC – 8,224
  - SCTF & EF – 709
  - WSTF - 712



***JSC Main Site***

# Overview

## Sonny Carter Training Facility



## Ellington Field



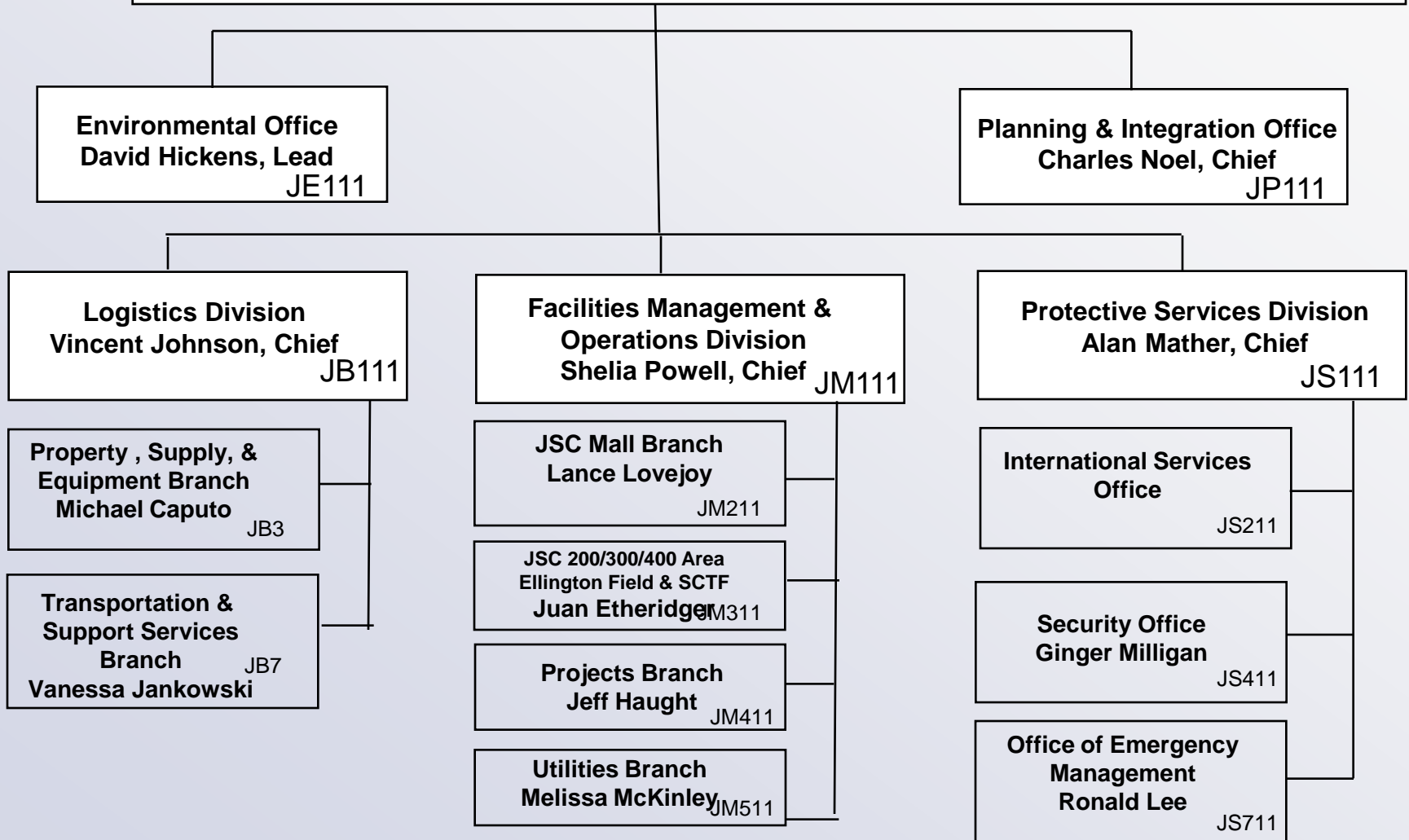
## White Sands Test Facility



# CENTER OPERATIONS DIRECTORATE

Joel Walker, Director  
Steve Campbell, Deputy Director  
Barry Boswell, Chief Engineer

JA1



# Vision

## Center Operations Directorate

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### Center Operations Vision Statement

- Center Operations is the Foundation for Mission Success

### Vision Key Elements

- Effective Communications
- Credibility
- Problem/Conflict Resolution
- Mutual Benefit
- Leadership
- Diversity
- **Safety**



# Small Business Summary in COD

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- Center Operations Contracts (non-construction)
  - Logistics- L&M Technologies (Small Business)
  - Grounds- ProDyn (Small Business)
  - Custodial- Integrity (Small Business)
  - Environmental – ERT (Small Business)
  - Facilities – CSC (Large Business with Small Business Goals)
  - Security- Diamond/Wackenhut (Small Business)

# COD Contracts - Points of Contact



- **Logistics Contract**                      **Contracting Officer – Karon Porche 281-483-5114**  
**COR – Kristen Tolleson 281-483-4154**
  
- **Facilities Contract**                      **Contracting Officer – Jason Phillips 281-244-9407**  
**COR – Henry Wyndon 281-483-3188**
  
- **Grounds Contract**                      **Contract Specialist – David Nayles 281-483-4202**  
**COR – Reinhard Brueckner 281-483-314**
  
- **Custodial Contract**                      **Contract Specialist – David Nayles 281-483-4202**  
**COR – Reinhard Brueckner 281-483-3140**
  
- **Environmental Contract**                      **Contract Specialist – Dominic Golemi 281-792-7840**  
**COR – Michelle Fraser-Page 281-483- 4237**
  
- **Security Contract**                      **Contracting Officer – Jason Phillips**  
**COR – Ernie Smith 281-483-3250**

# JSC Large Construction Contractors



**J. T. Vaughn**  
**Construction, LLC**  
10355 Westpark Drive  
Houston, TX 77042  
Tom Vaughn, CEO  
713.243.8300

**Swinerton Builders**  
6890 West 52nd  
Avenue, Suite 201  
Arvada, CO 80002  
Charles G. Johnson,  
Jr., VP  
303.418.5318

**Skanska USA Building, Inc.**  
1776 Yorktown, Suite 690  
Houston, TX 77056  
Brian Freeman, Executive VP  
713.401.5200

**Hensel Phelps**  
**Construction Co.**  
8326 Cross Park Drive  
Austin, TX 78754  
Thomas D. Fisher, VP  
Southwest District  
512.834.9848

**Kiewit Building Group**  
1800 South Bell Street, Suite 300  
Arlington, VA 22202  
J. D. Vetter, Senior VP



# Example Projects

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## PROJECT TITLE

1. **Repair Sprinkler & Fire Alarm Systems, JSC (Bldgs. 3, 11, 207)**
2. **ADA Upgrades (100 Area) & Install Elevator (Bldg. 31), JSC**
3. **Replacement of Fire Pumps, EF (E245)**
4. **Upgrade Emergency Lighting Systems, JSC (Bldgs. 1, 4N, 32)**
5. **Refurbish Sanitary Sewer System, JSC**
6. **Renovate Hanger Fire Suppression & Detection System, EF (E135)**
7. **Replace Site Fence, JSC**
8. **Replace Overhead Doors, JSC (Var. Bldgs.)**
9. **Mechanical Upgrades, WSTF (Bldg. 800)**
10. **400 and 100 Area Revitalization, WSTF**
11. **Mid-Plume Treatment System Construction, WSTF**
12. **Forward Guard Gate Construction, WSTF**
13. **Road Repairs with Large Culvert Installations, WSTF**
14. **Upgrade Site Security Systems, WSTF**

# HOW TO GET CONNECTED

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- NASA/JSC Business Opportunities Home Page  
Set up your user profile  
<http://prod.nais.nasa.gov/cgi-bin/eps/bizops.cgi?gr=D&pin=73>
- NASA Acquisition Internet Service (NAIS)  
<http://procurement.nasa.gov>
- JSC Procurement Website  
<http://procurement.jsc.nasa.gov/procpub.htm>
- Industry Assistance – Bldg. 111 – JSC, 281-483-4511



# Thank you for attending!

A copy of this presentation will be posted on the  
JSC Procurement External website:

<http://procurement.jsc.nasa.gov/idiq>



# JSC Engineering Directorate

## Small Business Overview

Elizabeth (Betsy) Kluksdahl

EA Technical Small Business Coordinator

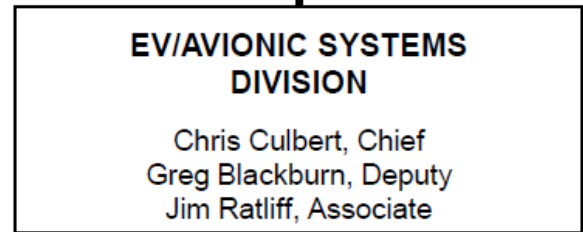
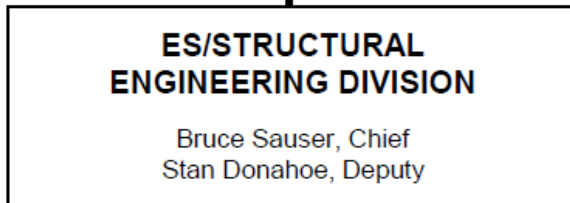
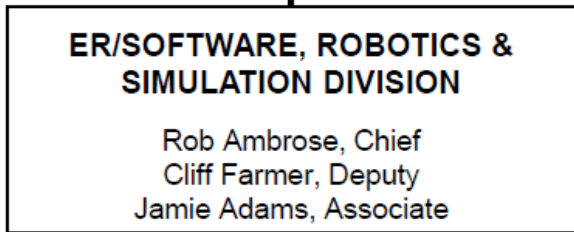
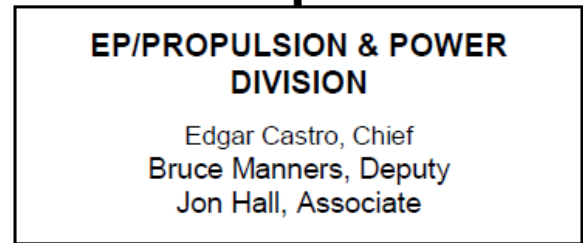
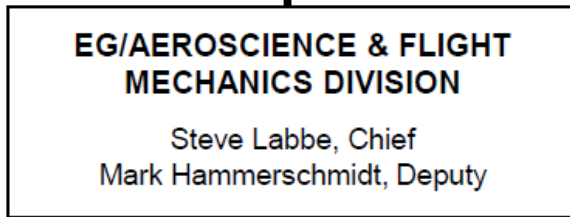
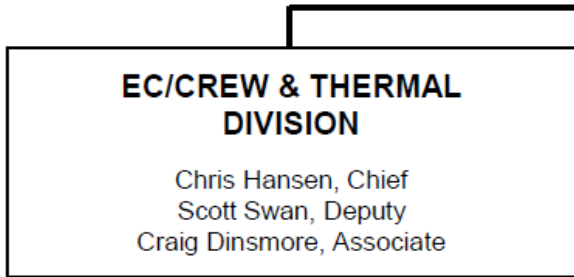
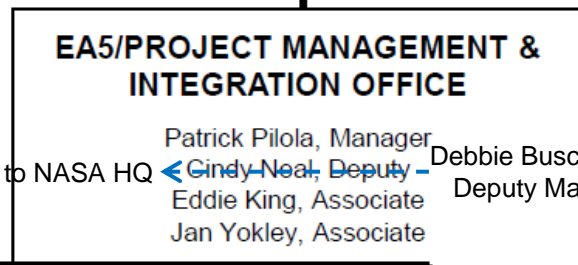
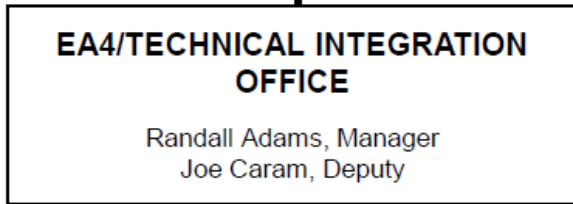
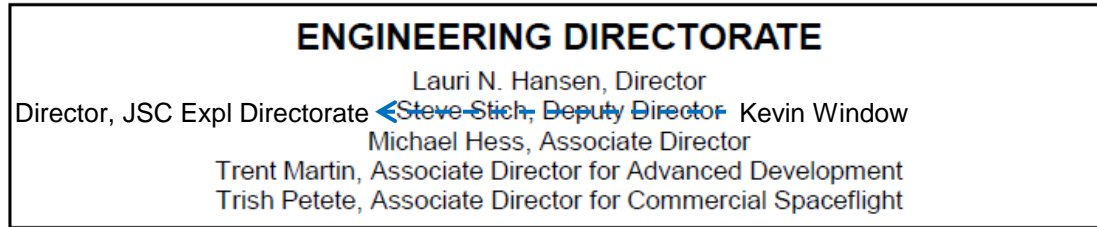
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September 2014



# JSC Engineering Directorate Organization

5/14/2014







# Engineering Directorate Priorities

1. **Enhance ISS: Enhanced missions and systems reliability per ISS customer needs**
2. **Accelerate Orion: Safe, successful, affordable, and ahead of schedule**
3. **Enable commercial crew success**
4. **New technology development for HSF**
5. **Enhanced Efficiency**

**Engineering Directorate has developed Domain Implementation Plans to integrate and streamline our future development efforts**

- **Align with the key tenets of JSC 2.0**
  - Address JSC Goals
  - Bring together our workforce in an efficient and effective manner
  - Find new and innovative solutions that allow us to lead the future of global human exploration
- **Thread together content** from Programs (Orion, ISS, AES ...), various Mission Directorates (HEOMD, STMD, SMD...), and from external partnerships
  - Bring an integrated solution that advance Human Spaceflight Exploration
- **Help guide strategic decisions, partnership pursuits, and our daily operational efficiencies**



# Engineering Directorate Domain Plans

## EC/Crew and Thermal Division

- 1.1 ECLSS
- 1.2 Active Thermal Control
- 1.3 EVA
- 1.4 Habitation Systems

## EG/Aeroscience and Flight Mechanics Division

- 2.1 EDL (aero & gnc)
- 2.2 Autonomous Rendezvous and Docking (AR&D)
- 2.3 Automated (BLEO) GN&C
- 2.4 Advanced Analytical Tools

## EP/Propulsion and Power Division

- 3.1 Pyros
- 3.2 ISRU
- 3.3 Energy Storage and Distribution
- 3.4 LOX Methane Propulsion
- 3.5 Advanced Propulsion Physics

## ER/Software, Robotics and Simulation Division

- 4.1 Robotics IVA/EVA
- 4.2 Robotics Mobility
- 4.3 Crew Exercise
- 4.4 Enhanced Ground Ctrl for ISS Rob.
- 4.5 MPCV Spacecraft Software
- 4.6 ISS GFE Software
- 4.7 Human Spaceflight S/W Product Line
- 4.8 Intelligent Advisor S/W Technology
- 4.9 ISS, MPCV, MOD GFE Sim Support
- 4.10 Human Spaceflight Sim Product Line
- 4.11 Advanced Training and Analysis Simulation

## ES/Structural Engineering Division

- 5.1 Human Rated S/C Structures
- 5.2 Spacecraft Mechanical Systems
- 5.3 EDL (Thermal)
- 5.4 Advanced Materials and Monitoring

## EV/Avionic Systems Division

- 6.1 Human System Interfaces
- 6.2 Wireless and Comm Systems
- 6.3 Processors, Networks, and Instrumentation
- 6.4 Radiation and EEE Parts



# Sample Engineering Directorate Functions



**Hardware Development**



**Software Development**



**Testing**



**Advanced Technology and Advanced Concepts**





# Sample Engineering Directorate Contracts

**EA has several contracts with large business, most have significant small business participation goals:**

- **JSC Engineering, Technology and Science (JETS)** - Jacobs Engineering  
Engineering and Science Services to the Engineering and Exploration Integration and Science Directorates
- **Simulation & SW Technology II (SSTII)** - L-3 Communications  
Software and Simulation Support to Software, Robotics and Simulation Division

**EA has a number of small business contracts:**

- **Engineering Product Integration Contract (EPIC)** - SKGS
- **Intelligent Robotic & Control System Services** - S&K Aerospace
- **Software, Robotics, and Space System Services (SRS3)** - Tietronix
- **Integrated Graphics, Operations and Analysis Lab (IGOAL)** - Tietronix
- **Robotics, Vehicle and Graphics Simulation Services (RVGSS)** - McClean Engineering

The decision to re-compete these contracts will be made at the appropriate time and announced on the JSC procurement website

EA also has smaller procurements of goods and services throughout each year. These are done through small businesses when possible. See the JSC procurement forecast for more details.



# Get Connected with JSC Opportunities

## **NASA/JSC Business Opportunities Home Page**

*Also via NAIS “business opportunities” tab*

Direct link to general NASA business opportunities:

[http://prod.nais.nasa.gov/cgi-bin/nais/link\\_syp.cgi](http://prod.nais.nasa.gov/cgi-bin/nais/link_syp.cgi)

Direct link to JSC subsection of business opportunities:

<http://prod.nais.nasa.gov/cgi-bin/eps/bizops.cgi?gr=D&pin=73>

- Sign up for email notification of procurement opportunities

## **JSC Procurement Website**

*Also via NAIS “business opportunities” tab*

<http://procurement.jsc.nasa.gov/procpub.htm>

- Procurement information specific to JSC opportunities



## **Business Development**

Mike Hess, Associate Director, 281-483-6455

Bob Villarreal, Branch Chief, EA55 Contract and Business Integration Branch, 281-483-0143

## **Technical Small Business Coordinator**

Betsy Kluksdahl, EA55, 281-483-6484



# Information Resources Directorate

***"Creation, Innovation, and solutions....providing information resources for mission success"***

September, 30 2014



# IRD Vision, Goals, and Initiatives

**IRD Vision** To be the preferred provider of Business and Information Technology solutions that enable and enhance mission success for JSC, NASA and our partners.

## **IRD Goals and Initiatives**

Partner with JSC organizations to define Center business needs and strategically implement business solutions that enable the mission in an efficient and cost effective manner. Game changing initiatives include:

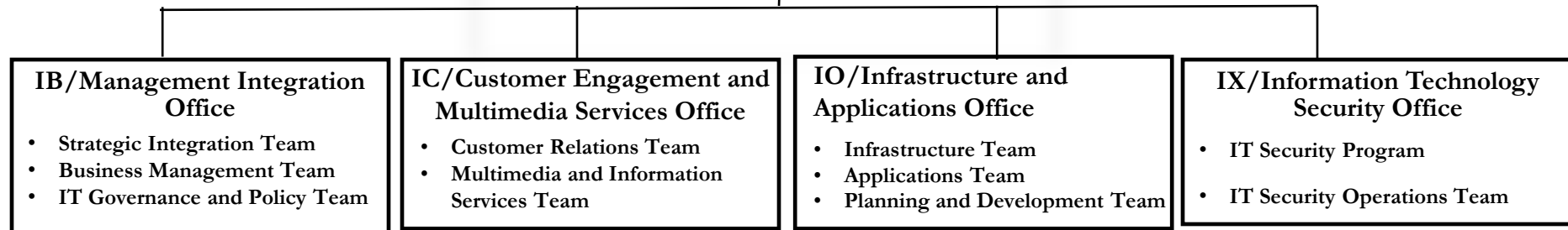
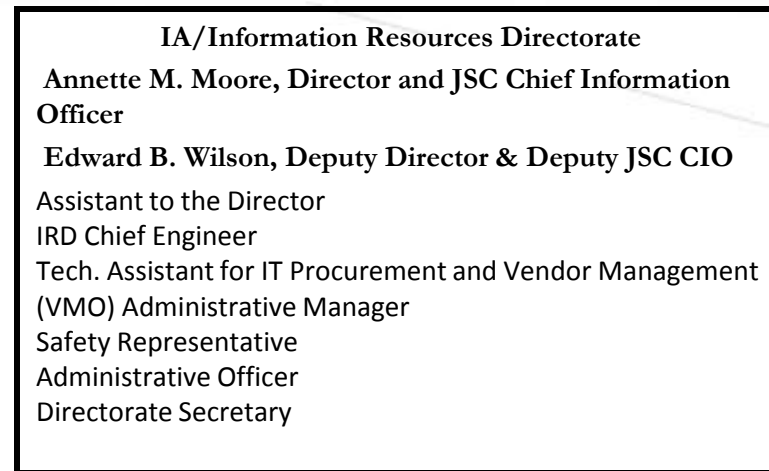
- \* Cloud Data Storage
- \* Cloud Computing
- \* Mobile Technology
- \* (BYOD) Bring Your Own Device

Integrate each of the JSC organizational IT roadmaps into a single JSC IT roadmap. Assist the Agency OCIO to integrate the JSC IT roadmap into a single Agency roadmap to insure strategic IT business decisions.





## IRD Organization Chart





# Information Resources Directorate

## Functional Areas

### IB

#### Management Integration Office

IT Governance Process Owner (JSC, IRD)  
 Customer Agreement Process Owner  
 SIBCs & CPIC Process Owner  
 STI Management  
 Contract Management Process Owner  
 JSC History Program  
 Configuration Management process owner  
 (document control and board support)  
 IRD Metrics Process Owner  
 Communication/Outreach Process Owner  
 Budget Integration Process Owner  
 Audits, QSP Representative  
 Document Authorization Process (DAA)  
 Enterprise Architecture Process Owner (EA)  
 Chief Technology Officer (CTO)  
 Project Management Process Owner  
 Risk Management Process Owner  
 Agency Actions & Data Calls (OCIO, IG, GAO, etc.)  
 ITAMS COR (separate from contract mgmt process ownership)  
 Requirements management (Includes Policy compliance (includes reporting and exception process owner) for: STI, Privacy, Section 508, Section 516, etc.  
 Service Management Process Owner  
 Business Integration (across budget, contract mgmt. procurement)  
 Information Management (includes data architect, records mgmt., archivist, history)

### IC

#### Customer Engagement and Multimedia Services Office

CRM (formerly Customer Service Agents)  
 Customer Support Center/IRD Help Desk  
 CRM Integration and Support (SR, Cust Agreements, etc)  
 Seat data mgmt.  
 Service Catalog  
 Technical Writing  
 VTC  
 Workstation Data Management and Analysis  
 IRD Service Catalog  
 Agency Contract Management Support (ACES SMW/SETE)  
 Support to the End User Services Office (ESD SME/SETE, End User Services Integration)  
 Spaceflight Imagery Operations  
 Imagery Acquisition  
 Photo Operations  
 TV Operations  
 Multimedia Engineering and Repair  
 JSC Libraries and Repositories  
 Meeting and Presentation Support, including VTC Support  
 Mail and Postage Services  
 Printing  
 Graphics  
 Document Scanning  
 PAMSS Contract Management  
 Services Integration  
 I3P Center Integration Lead (CIL)

### IO

#### Applications and Data Systems Office

Service Definition, Security and Oversight  
 JSC Data Center operations management  
 Storage Engineering and operations  
 Communications Systems (networks, wireless)  
 Firewalls  
 Remote Access  
 Network and Systems Management  
 Telecommunications Systems (CTS, VoIP)  
 Server Administration  
 Technical support to the Source  
 Evaluation Board  
 JSC Lab Management  
 Service Definition, Security and Oversight  
 In-house and contract based application systems (web and non-web application engineering)  
 Design and Data Management System's operation  
 SharePoint (Engineering and Operations)  
 Search  
 Database and COTS product administration and operations  
 Forms Management  
 Strategic Road Map generation  
 New capabilities development  
 Project Management  
 Integration  
 JSC Webmaster  
 EAST/WEST SME, SETE  
 Server Engineering  
 Cloud Engineering  
 Directory Services  
 NICs SME  
 Web Registration  
 NACB Chairman

### IX

#### Information Technology Security Office

CISO / Deputy CISO  
 Threat and Vulnerability Mgmt.  
 IT Security Systems Mgmt.  
 Incident Response Mgmt.  
 IT Security Policy Mgmt. (e.g., Proxy, IDS, Forensics, Logging)  
 Compliance Auditing  
 OCSO Program Mgmt.  
 IT Security Portfolio Mgmt.  
 Continuous Diagnostics and Mitigation  
 Waiver / SCRM Disposition  
 HQ & External Interfaces  
 Authorization Mgmt.  
 Identity Mgmt. (e.g., ICAM/PIV)  
 Availability Mgmt.  
 Information Assurance  
 Security Contract Development / COR



# IRD Primary Contracts

## 1. Printing and Mail Support Services (PAMSS)

Contracting Officer (CO) - Gisela Moreno (281-244-6776)

End Date: January 2015

## 2. IT and Multimedia Services (ITAMS)

Contracting Officer (CO) - Wendy Fleming (281-483-5338)

End Date: January 2016

IRD Technical Small Business Coordinator – Ric Slater (281-224-6812)

To schedule an appointment – (281-483-0236)

# How to Influence a Procurement

Valerie Coleman, U.S. Small Business Administration

# Responding to Sources Sought/Requests for Information (SS/RFI)



# What is a RFI/SS?

- RFI – Primarily used to gather information to help make a decision on what steps to take next.
- SS – Market research to determine what the capabilities and interests of the marketplace are.



U.S. Small Business Administration

Where do I find SS/RFIs?

FedBizOpps

[www.fbo.gov](http://www.fbo.gov)

Agency internal page



U.S. Small Business Administration

# Purpose of a SS/RFI Market Research

- FAR Part 10
- Access the market's capability - SS
- Determine acquisition strategy - RFI
- Small business goal attainment





Why do a SS?

**“RULE OF 2”**



# What a SS isn't

- Not a request for a price
- Not a general capability statement



# What a SS is

- Info on company (name, address, yrs. in business, certifications, etc.)
- Agency's needs
- Your capability/experience to meet those needs



“Solicitations don’t just magically become set-asides or generally categorized by happenstance; the decision framework begins being constructed at the time that Market Research is being conducted and sources are being sought.”



# Specific Requirements in a Sources Sought

- Capability statements should identify past projects with proven experience preferably in the dollar range within the last five (5) years with emphasis on work performed on a Federal installation
  - Don't provide information on projects that are not relative to the size or scope of the work.
  - Make sure that they were performed within the time period given.
  - Ensure that you answer the question asked.
  - Don't refer to another question. (See #1 above)
- Ability to meet the subcontracting requirement for the type of work to be performed by the prime contractor.
  - Provide examples.



U.S. Small Business Administration

# Specific Requirements in a Request for Information

- Please provide your view regarding what type of contract and what contract duration provides the best approach for this type of work.
- How should the “risks versus rewards” be shared by the Government and contractor?
- How does the proposed contract type incentivize the contractor to perform high quality work at a reasonable price?
- Discuss your views regarding factors such as base period and options.
- Suggest any portions of this acquisition for which fixed price contracting could be utilized. Discuss your rationale for each area identified and your thoughts on the feasibility of each area.



# Don'ts and Do's

- **Don'ts**

- Send in you general capability statement or marketing material.
- Assume we know what you mean.
- Provide references that would not give you a glowing reference.

- **Do's**

- Make sure that responses are sent in on time.
- Read the sources sought or request for information.
- Ask question prior to the due date.
- If you are only interested in performing as a subcontractor make sure that you indicate that.

# Bottom Line

## Submit a Quality Product





# Questions??

Valerie J. Coleman

Procurement Center/Commercial Market Representative

U. S. Small Business Administration

2101 NASA Parkway, MC: BA111

Houston, TX 77058

281-483-1549

Fax: 202-481-5936

[Valerie.j.coleman@nasa.gov](mailto:Valerie.j.coleman@nasa.gov)

[Valerie.coleman@sba.gov](mailto:Valerie.coleman@sba.gov)



U.S. Small Business Administration

# Acquisition Overview

Communications Outreach Multimedia and Information  
Technology (COMIT) Contract

Base Information Technology Security (BITSec) Contract

JSC Mail and Duplication Support Services (MADDS) Contract

Richard Slater - IRD



# IRD Procurements

September, 30 2014



# COMIT Procurement

Communications, Outreach, Multimedia, and Information Technology

All current information on this ongoing procurement can be found at the following: <http://procurement.jsc.nasa.gov/comit>

Type of Procurement: TBD

NAICS Code: 518210

Size Standard: \$30 million

Set Aside: Small Business

Draft RFP/RFP Release Date: TBD

When Proposals were received on: TBD

Period of Performance: 4/1/16 – 3/31/21



## Base IT Security (BitSec) Procurement

There is no current information regarding the BitSec procurement. This acquisition activity will likely take place in 2<sup>nd</sup> quarter of calendar year 2015.

More information will be made available at that time.



# MADDS Procurement

Scope: JSC Mail and Duplication Support Services

<http://procurement.jsc.nasa.gov/madss>

Type of Procurement: Fixed Price Incentive Fee

NAICS Code: 323111

Size Standard: 500 employees

Set Aside: HubZone

Draft RFP/RFP Release Date: 6/9/14

When Proposals were received: 7/23/14

Period of Performance: 3/1/15 – 2/29/20

# Closing/Reception

**Please join us in the Starship Gallery  
for our networking reception**