



## U.S. Senate Committee on Appropriations

**PRESS RELEASE**



For Immediate Release:

September 15, 2011

### **Committee Approves DOD, CJS, Financial Services, and Legislative Branch Bills**

Washington, DC -- The Senate Committee on Appropriations today approved FY 2012 Defense; Commerce, Justice, Science and Related Agencies; Financial Services and General Government; and Legislative Branch Appropriations legislation.

Summaries of the bills reported out of the Full Committee today are available below:

**[Department of Defense](#)**

**[Commerce, Justice, Science](#)**

**[Financial Services and General Government](#)**

**[Legislative Branch](#)**

Committee on Appropriations - Room S 128, The Capitol, Washington, DC 20510  
Telephone 202-224-7363

# the story so far

# FY12 Senate Budget

Planetary Science    \$1,500M

Earth Science        \$1,765M

Heliophysics        \$622M

Astrophysics        \$682M

JWST                \$530M

NASA Science      \$5,100M

# FY12 Senate Budget

Planetary Science \$1,500M

Earth Science \$1,765M

Heliophysics  
Astrophysics  
\$622M over  
the House

JWST \$682M

NASA Science \$530M

+83M over  
request

+164.6M  
from FY11  
appropriated

11% more  
than FY09

+\$600M over  
the House

# FY12 Senate Budget

Planetary Science	\$1,500M
Earth Science	\$1,765M
Astrophysics	\$682M
JWST	\$530M
NASA Science	\$5,100M

*+ \$0.4M over  
the House*

The diagram consists of three white arrows pointing from the right side of the table towards the circled 'House' amounts. The top arrow points to the 'Planetary Science' row, the middle arrow points to the 'Astrophysics' row, and the bottom arrow points to the 'NASA Science' row.

-\$40M of  
the request  
but +\$146M  
over FY10  
-\$20M  
from Mars

# FY12 Senate Budget

Planetary Science    \$1,500M

Earth Science        \$1,765M

Heliophysics        \$622M

Astrophysics        \$682M  
JWST                \$530M

NASA Science      \$5,100M

-\$32M of  
the request

+\$226M  
over FY10

+  
\$65.5M over  
the House

# FY12 Senate Budget

Planetary Science    \$1,500M

Earth Science        \$1,765M

Heliophysics        \$622M              as requested

Astrophysics        \$682M

JWST                \$530M

NASA Science        \$5,100M

\$+0.3M over  
the House

# FY12 Senate Budget

Planetary Science	\$1,500M	\$+1M over \$1,765M the House
Earth Science	\$1,765M	
Heliophysics	\$622M	
Astrophysics	\$682M	as requested
JWST	\$530M	
NASA Science	\$5,100M	

# FY12 Senate Budget

Planetary Science    \$1,500B

Earth Science        \$1,765M

Heliophysics        \$622M

Astrophysics        \$682M

JWST                \$530M

NASA Science      \$5,100M



# FY12 Senate Budget

Planetary Science \$1,500B

Earth Science \$1,765M

+ \$530M over  
the House

Heliophysics \$622M

Astrophysics \$682M

JWST \$530M

NASA Science \$5,100M

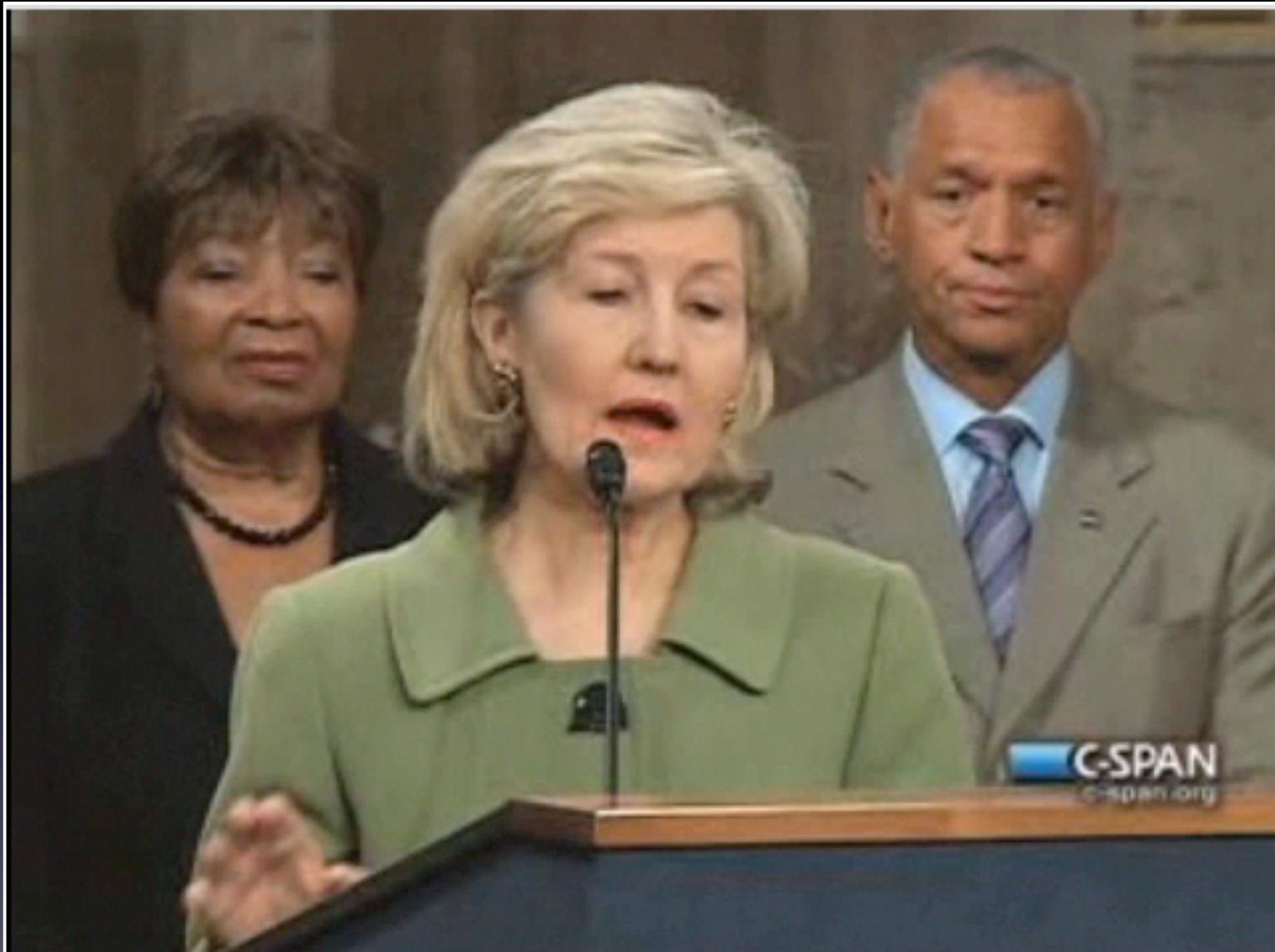
+\$156M of  
the request

# summary

	Senate	△ House	△ PBR
Planetary	\$1,500M	+ \$0.4M	- \$40M
Earth Sciences	\$1,765M	+ \$65.5M	- \$32M
Heliophysics	\$622M	+ \$0.3M	0
Astrophysics	\$682M	+ \$ 1.0M	0
JWST	\$530M	+ \$530M	+ \$156M

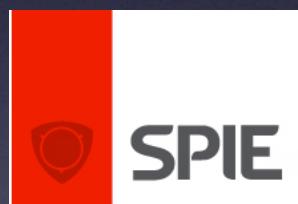
HOWEVER, NASA is being set at 2009 levels,  
BUT science is up 11% over 2009

bipartisan support



Senator Kay Bailey Hutchinson (R-TX)  
Senate Press Conference | 14SEP11

how did we get here?



representing  
85,000 members

Attn.: Dr. John P. Holdren  
Director - Office of Science and Technology Policy  
The White House  
1600 Pennsylvania Ave. NW  
Washington, DC 20500

**RE: The James Webb Space Telescope**

Dear Dr. Holdren,

The James Webb Space Telescope (JWST) is in danger of cancellation and we are writing as members of the astronomical community to express our strong support for its science.

JWST is planned as the next major space observatory because it will revolutionize our understanding of fundamental astrophysics. Fifteen years after its selection, the scientific case for JWST has become even stronger. No other facility, existing, planned, or in construction, will have comparable capabilities. It will have 7 times the light grasp of Hubble, and 50 times the sensitivity of the Spitzer infrared space telescope. With sky background removed by the large mirror, JWST will outperform any terrestrial observatory, JWST will outperform even future 30-m

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED • RIVERSIDE • SAN DIEGO • SAN FRANCISCO



SANTA BARBARA • SANTA CRUZ

UNIVERSITY OF CALIFORNIA OBSERVATORIES/LICK OBSERVATORY  
DEPARTMENT OF ASTRONOMY AND ASTROPHYSICS

SANTA CRUZ, CALIFORNIA 95064

January 21, 2011

Dr. John P. Holdren  
Director, Office of Science and Technology Policy  
Executive Office of the President of the United States

Re: Statement of support for the James Webb Space Telescope, JWST

Dear Dr. Holdren:

The James Webb Space Telescope is a project of astonishing scientific capability that is the natural successor to the iconic Hubble Space Telescope. With 100X the power of Hubble, yet a comparable cost to launch, it reflects the huge technological steps that the US, and our international partners (Europe and Canada), have made in the last two-three decades since Hubble was designed and built. JWST will maintain US leadership in space science and technology.



**ISTITUTO NAZIONALE DI ASTROFISICA**  
**NATIONAL INSTITUTE FOR ASTROPHYSICS**

**OSSERVATORIO ASTRONOMICO DI BOLOGNA**



Osservatorio Astronomico  
di Bologna

Dr. John P. Holdren  
Director – Office of Science and Technology Policy  
The White House  
1600 Pennsylvania Ave. NW  
Washington, DC 20500, USA

**RE: The James Webb Space Telescope**

Dear Dr. Holdren,

We are members of the European astronomical community and we are greatly concerned with the fate of the James Webb Space Telescope (JWST). We understand that JWST is in danger of cancellation and we are writing to express, like many other colleagues all over the world, our strongest support for its science.

We have contributed to the development of JWST with the construction of the multi-wavelength NIRSPEC and a 50% share of the camera/spectrometer MIRI and will contribute to the ground and space launch facilities and rocket. We expect our joint efforts to be rewarded by the scientific power of JWST observations.

~~as the next major space observatory and will revolutionize our understanding of fundamental astrophysics.~~

letters from the  
community signed  
by 2,500+  
& support from  
conferences

# The New York Times

## Keep the Webb Telescope, 32 Nobel Laureates Say

TO THE EDITOR:

Re "Way Above the Shuttle Flight" (editorial, July 10) and letters about the future of NASA and space exploration ("America's Future in Space," Sunday Dialogue, July 31):

The James Webb Space Telescope is the natural successor to the iconic Hubble Space Telescope, reaching well beyond Hubble's limits, revealing secrets even Hubble cannot.

From seeing the first galaxies in the universe, to studying extrasolar planets with liquid water, the Webb telescope will provide humanity with new insights on the origin of the cosmos and on our place within it.

The discoveries of the Webb will be the source of awe and inspiration for the next generation. Cancellation of the Webb, as a Congressional subcommittee

has voted to do, would deal a fatal blow to large and ambitious space science missions for the foreseeable future, and would deny the public access to new and exciting images of the type that have captured the imagination of people of all ages.

We support careful oversight over the future plans and budgets of the Webb telescope's mission, and we believe that every possible effort should be made to launch the Webb as early as possible.

JOHN C. MATHER

Hyattsville, Md., Aug. 22, 2011  
*The writer, a Nobel laureate in physics in 2006, is the senior project scientist for the James Webb Space Telescope at NASA. The letter was also signed by 31 other Nobel laureates in physics, chemistry, economics, and physiology or medicine.*

## THE WALL STREET JOURNAL.

The James Webb Space Telescope is vital for science and should not face the budget axe.

A16

The Washington Post

SUNDAY, AUGUST 7, 2011

## EDITORIALS

### Scope it out

*The U.S. should not scrap the Hubble telescope's successor.*

THE LAST SHUTTLE has landed. Soon, without space shuttles to perform repairs, the Hubble Space Telescope will break down and plummet into the ocean.

We have long advocated a rethinking of NASA's role. Manned spaceflight is costly even in times of surplus, and for a fraction of the cost it is possible to do a great deal of fascinating science. Now, with the last shuttle retiring, NASA has an opportunity to shift its priorities to do more for less.

This is why it is so disheartening that a House Appropriations subcommittee has moved to kill the James Webb Space Telescope — Hubble's successor.

On the surface, it seems an obvious cut. The Webb telescope, named after a NASA administrator who served in the agency's 1960s heyday, "is billions of dollars over budget and plagued by poor management," the committee noted.

What it failed to remark is that the telescope's hardware is 70 percent complete, much of it has already undergone testing and a special commission established to look into the telescope in 2010 found that the work on technology was "commendable and often excellent." Billions of dollars would not be wasted by continuing the project. They would be wasted by canceling it.

Hubble, too, was plagued by poor management. Yet when it launched, it served as a powerful testimony to the power of our unmanned space program, transmitting breathtaking images and performing fascinating research. It is still possible to complete the Webb telescope and launch it this decade for less than it cost (in current dollars) to launch Hubble. The biggest difference is the Webb telescope's much greater capacity — it is hundreds of times more sensitive than Hubble and can glimpse some of the oldest, most distant objects in the universe.

Yes, the project has been plagued by inefficiencies, but in large part this is because we are asking so much of it. As currently planned, the telescope will monitor everything from dust-shrouded Milky Way objects to the oldest galaxies and will include countless highly sensitive moving parts. Nearly every plan for U.S. astronomy for the next decade is contingent on the Webb telescope, even though it will be launched, at the earliest, in 2014. Had less of NASA's funding been focused on manned spaceflight and more of it devoted to hard science projects like this, all of U.S. astronomy's hopes might not reside in this one telescope. But as it is, the future of U.S. astronomy is seriously threatened by the prospect of its cancellation.

It is always difficult to put a price on the future. But this small cost saving would have a much larger cost in terms of the United States' role in astrophysics. We should remain open to ways to make the telescope better — perhaps asking less of it so we can launch it sooner. But to jettison it now, when so much depends on it and we have nothing to take its place, would be shortsighted — as shortsighted as we will be without it.

**facebook**

**Sign Up** Facebook helps you connect and share

**Save the James W** Community

**'LIKE'** the fan page

**CONTACT** your congressional representatives

**SIGN** the petition

**SPREAD** the word!

[savejwst.com](http://savejwst.com)

Wall Info Photos Questions

About We are a group whose mission is to Save the James Webb Space Telescope and... More 4,595 like this

**change.org** Home News Victories Start a Petition Join Login Search All Petitions...

## DO NOT cancel funding for the James Webb Space Telescope

**SIGN THIS PETITION**

First Name   
 Last Name   
 Email   
 Address   
 City   
 State   
 Zip Code   
 Why are you signing?  Add a reason (optional)

**SIGN**

**save** 

**HUBBLE of the NEXT GENERATION**

**SIGNATURES**  
4,664

**PETITIONING**  
The U.S. House of Representatives + 12 others

**STARTED BY**  
 **Kyle Sullivan**  
Birmingham, AL

**NORTHROP GRUMMAN** JWST OPERATIONS MEDIA GALLERY TAKE ACTION NOW

**James Webb Space Telescope (JWST)**  
The greatest investment in American space leadership and innovation  
**TAKE ACTION NOW**



**LEADERSHIP IN SPACE** **NEW FRONTIERS** **BREAKTHROUGH TECHNOLOGY** **MAKE YOUR VOICES HEARD**

**Now is the time to speak out.** If you haven't contacted your senators yet, then, please, take 5 minutes and send them an email or a fax right now. Take 10 minutes and call their office today and tell them that the James Webb Space Telescope should not be allowed to become the next failed Super Collider. Get as many friends as you can to do the same. Tell them that the United States of America deserves to keep our global leadership in science. Tell them that the US of A deserves to have these jobs. Tell them to properly fund the JWST!

**ALERT CONDITION: RED**

Image courtesy of Paramount Pictures

Change.org | Get Widget | Start an Online Petition »

Followers  
Blog Archive ▼ 2011 (14) ▼ September (3)

Copyright © 2011 Northrop Grumman Corporation. All Rights Reserved. Northrop Grumman | Site Map

**public support**

This image is a collage of several newspaper editorials and advertisements related to the James Webb Space Telescope. At the top left is a Los Angeles Times OP-ED by James Bullock titled 'Far out'. To its right is a large graphic for the James Webb Space Telescope featuring a hexagonal grid of panels against a starry background, with the text 'Because a Great Nation Should Do Great Things'. Below these are two more editorials: one from Vanity Fair by Juli Weiner titled 'It's Like the House Appropriations Committee Subpanel Doesn't Even Think Deep Space Is Cool', and another from the Washington Post by Michael S. Turner titled 'Much More Than a Telescope'. At the bottom left is an advertisement for the telescope with the headline 'SAVE THE JAMES WEBB SPACE TELESCOPE' and the tagline 'Don't Let Congress Kill Your Inner Child'. The bottom right features a small image of a galaxy cluster.

The image is a collage of various elements. At the top left is a solid blue sphere. To its right is the title 'Cosmic Variance' in large, bold, white sans-serif font. Below it is a link '« James Webb Space Telescope Endings »'. The central part of the collage is the main article 'Why We Need the James Webb Space Telescope' by Julianne. To the right of the article is a promotional graphic for a 'JWST Q&A Session' with a 'new date!' badge. Below that is a plot showing the sensitivity of telescopes over time. The bottom half features a large advertisement for the James Webb Space Telescope, with the text 'THE JAMES WEBB SPACE TELESCOPE' at the top, followed by 'bringing the universe into focus' and a large hexagonal array of mirrors. At the very bottom is a slogan 'DON'T QUIT! JUST WHEN THE SCIENCE GETS TOUGH'.