

## PERFORMANCE REPORTING AND PLANNING

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### **Strategic Goal 6: Share NASA with the public, educators, and students to provide opportunities to participate in our Mission, foster innovation, and contribute to a strong national economy.**

#### **OUTCOME 6.1: IMPROVE RETENTION OF STUDENTS IN STEM DISCIPLINES BY PROVIDING OPPORTUNITIES AND ACTIVITIES ALONG THE EDUCATION PIPELINE.**

A critical part of NASA’s Mission is to inspire the next generation of explorers so that the Nation’s preeminence in space exploration, aeronautics, and science can continue into the future. NASA educational tools are designed to capture student interest, nurture their natural curiosities, and excite their minds. By providing hands-on opportunities to students of all ages and their educators, and engaging them in simulations and authentic research, NASA stimulates creativity and encourages the growth of a new generation of scientists and engineers.

Many of NASA’s grant recipients are university and college science, technology, engineering, and mathematics (STEM) programs. [NASA Education](#) and [Office of Diversity and Equal Opportunity \(ODEO\)](#) partner to realize the goals of equal opportunity requirements amongst STEM and related programs receiving NASA financial assistance, including grants for education and training. Under laws prohibiting discrimination in federally funded programs, like Title VI of the Civil Rights Act of 1964 and Title IX of the Education Amendments Act of 1972, ODEO conducts compliance and enforcement activities to ensure that these programs afford equal opportunities to their beneficiaries, regardless of race, color, national origin, gender, age, or disability, and that the programs are free of discrimination and harassment. NASA Education and ODEO also review the equal opportunity technical assistance given to STEM programs. Equal opportunity technical assistance provides recipient programs more effective tools for conducting and measuring the success of targeted diversity outreach and recruitment efforts. The goal of technical assistance also is to achieve and maintain STEM program environments that are welcoming to more broadly diverse student bodies, ensuring greater diversity participation and retention in such programs.

#### **Reported Multi-Year Performance**

**Multi-Year Performance Goal 6.1.1.1: Provide educators nationwide with knowledge and tools with which to inspire students in STEM fields.**

FY11	During FY 2012, 183,040 educators participated in NASA education programs, exceeding the target of 35,000. The Office of Education is proud of its achievements in this area. Education plans to continue to perform well in this area, with offerings of NASA-unique professional development experiences and materials for educators.
Green	
FY12	
Green	

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Update to Multi-Year Performance Goal	
<b>FY13 Update</b>	Assure the availability and accessibility of NASA's online curricular support and resources to improve educators' STEM content knowledge and enhance student interest and proficiency in STEM disciplines.
<b>FY14</b>	This performance goal remains the same in FY14.
<b>Comments</b>	NASA revised the language of this performance goal for FY 2013 to clarify what performance is being assessed.

Reported Annual Performance					
ED-12-3: 35,000 educators participate in NASA education programs.					
<b>Contributing Theme:</b>		Education			
<b>Contributing Program(s):</b>		STEM Education and Accountability			
<b>FY07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
<b>7ED6</b>	<b>8ED05</b>	<b>9ED7</b>	<b>10ED07</b>	<b>ED-11-3</b>	<b>ED-12-3</b>
<b>Green</b>	<b>Green</b>	<b>Green</b>	<b>Green</b>	<b>Green</b>	<b>Green</b>
Planned Annual Performance					
<b>FY13 Update</b>	ED-13-2: Maintain no fewer than 1,000 online STEM-based teaching tools for K-12 and informal educators and higher education faculty.				
<b>FY14</b>	ED-14-2: Maintain no fewer than 1,000 online STEM-based teaching tools for K-12 and informal educators and higher education faculty.				

### Reported Multi-Year Performance

#### Multi-Year Performance Goal 6.1.2.1: Provide higher education students with authentic NASA mission-based opportunities that build knowledge and skills needed for STEM careers.

<b>FY11</b>	34,032 undergraduate and graduate students participated in NASA education opportunities, exceeding the target of 20,000. The Office of Education hopes to continue to achieve in this area by increasing the availability of NASA resources and opportunities to a diverse audience of educators and students, including women, minorities, and persons with disabilities.
<b>Green</b>	
<b>FY12</b>	
<b>Green</b>	
	One such activity in FY 2012 where NASA provided a mission-based opportunity was through the Tribal Colleges and Universities (TCU) project. The TCU project offers a Research Experience for Undergraduates (REUs) specifically designed for the tribal community often referred to as an externship. This externship program, led by Kiksapa Consulting LLC, a NASA grantee, focuses on climate change education and training in geospatial technologies through NASA REUs hosted in tribal lands and communities rather than at a NASA field center. The externship program was specially designed to accommodate students who have family or personal obligations that would otherwise prevent them from participating in the traditional 10-week NASA internship held at a NASA field center. In this reporting cycle, 12 TCU faculty and student teams participated in the externship program.

Update to Multi-Year Performance Goal	
<b>FY13 Update</b>	No performance goal in FY13.
<b>FY14</b>	No performance goal in FY14.

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Reported Annual Performance					
<b>ED-12-4: 20,000 undergraduate and graduate students participate in NASA education opportunities.</b>					
<b>Contributing Theme:</b>		Education			
<b>Contributing Program(s):</b>		STEM Education and Accountability			
FY07	FY08	FY09	FY10	FY11	FY12
None	None	9ED6 Green	10ED05 Green	ED-11-4 Green	ED-12-4 Green
Planned Annual Performance					
<b>FY13 Update</b>	No annual performance goal in FY13.				
<b>FY14</b>	No annual performance goal in FY14.				

### Reported Multi-Year Performance

**Multi-Year Performance Goal 6.1.2.2: Provide elementary and secondary students with authentic NASA mission-based opportunities that build STEM knowledge, skills and career awareness.**

<b>FY11</b>	<p>During FY 2012, 1,184,786—well over the target of 200,000—elementary and secondary students participated in NASA instructional and enrichment activities. The Office of Education underestimated its ability to achieve this measure. This success is partly due to an increased focus on partnerships. Examples of FY 2012 Office of Education partnerships and collaborations include Space Act agreements with industry leaders such as LEGO, Federal and state collaborations like the Department of Education’s 21st Century Community Learning Centers (CCLC), and academic partnerships that help NASA increase participation with the Nation’s minority-serving institutions. Education plans to continue to perform well in this area with a continued commitment of increased work with partners.</p> <p>Eighty-four percent of elementary and secondary students express interest in STEM careers following their involvement in NASA education programs—less than one percent below the target of 85 percent. The Office of Education believes this is due to the unique hands-on experiences that NASA is able to provide when sharing mission-related content.</p> <p>Also in FY 2012, NASA partnered with science centers, museums, planetariums, and community-based education providers to allow informal educators to engage students in NASA’s real-time, cutting-edge science and engineering discoveries and challenges. NASA’s Summer of Innovation activity exemplified this approach by engaging and supporting external partners in the delivery of evidence-based summer engagement opportunities in STEM to youth from underserved and underrepresented populations with the intent of increasing interest and participation in STEM and contributing toward the national-level impact of increased numbers of high school graduates pursuing STEM majors and careers.</p>
<b>FY12</b>	
<b>Green</b>	
<b>Green</b>	

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Update to Multi-Year Performance Goal	
<b>FY13 Update</b>	Focus resources, including content, facilities, and personnel, to improve the impact of NASA's STEM education efforts on areas of greatest national need, as identified in the 2011 NASA Education Design Team report, ensuring that NASA-unique assets are leveraged when conducting direct-service student activities.
<b>FY14</b>	This performance goal remains the same in FY14.

Reported Annual Performance					
ED-12-5: 200,000 elementary and secondary students participate in NASA instructional and enrichment activities.					
<b>Contributing Theme:</b>		Education			
<b>Contributing Program(s):</b>		STEM Education and Accountability			
FY07	FY08	FY09	FY10	FY11	FY12
7ED6 Green	8ED04 Green	9ED8 Green	10ED08 Green	ED-11-5 Green	ED-12-5 Green
Planned Annual Performance					
<b>FY13 Update</b>	ED-13-3: Conduct no fewer than 200 interactive K-12 student activities that leverage the unique assets of NASA's missions.				
<b>FY14</b>	ED-14-3: Conduct no fewer than 200 interactive K-12 student activities that leverage the unique assets of NASA's missions.				

Reported Annual Performance					
ED-12-6: 85 percent of elementary and secondary students express interest in STEM careers following their involvement in NASA education programs.					
<b>Contributing Theme:</b>		Education			
<b>Contributing Program(s):</b>		STEM Education and Accountability			
FY07	FY08	FY09	FY10	FY11	FY12
7ED4 None	None	9ED10 Green	10ED06 Green	ED-11-6 Green	ED-12-6 Green
Planned Annual Performance					
<b>FY13 Update</b>	No annual performance goal in FY13.				
<b>FY14</b>	No annual performance goal in FY14.				

### Reported Multi-Year Performance

**Multi-Year Performance Goal 6.1.3.1: Promote equal opportunity compliance and encourage best practices among NASA grant recipient institutions.**

<b>FY11</b>	NASA conducts a vigorous program of civil rights compliance reviews of its grantees, including post-award onsite and desk-audit reviews and pre-award reviews. The Agency's external civil rights technical assistance efforts achieved a major milestone during FY 2012 with the publication of a new resource tool for grantees to conduct their own Title IX self-evaluations, titled <i>Title IX &amp; STEM: A Guide to Conducting Self-Evaluations for Science, Technology, Engineering, and Mathematics Programs</i> (released in June 2012). In addition to being posted online in interactive format, NASA disseminated it in hard copy to NASA
Green	
<b>FY12</b>	
Green	

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	<p>educational institution grantees. It also was showcased as part of the <a href="#">White House Council on Women and Girls</a> activities commemorating the 40th anniversary of Title IX, held June 20, 2012.</p> <p>NASA's external civil rights program continues to be recognized as a leader in the field by the Department of Justice Civil Rights Division and external stakeholder organizations, such as the <a href="#">Society of Women Engineers</a> and the <a href="#">Association of Women in Science</a>.</p>
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Update to Multi-Year Performance Goal	
<b>FY13 Update</b>	This performance goal remains the same in FY13.
<b>FY14</b>	This performance goal remains the same in FY14.

Reported Annual Performance					
<b>AMO-12-19: Provide equal opportunity (EO) assessment and technical assistance, or onsite compliance assessment on-location, at a minimum of three STEM or STEM-related programs that receive NASA funding.</b>					
<b>Contributing Theme:</b>		Agency Management and Operations			
<b>Contributing Program(s):</b>		Agency Management			
<b>FY07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
None	None	None	10WF11 Green	AMO-11-19 Green	AMO-12-19 Green
Planned Annual Performance					
<b>FY13 Update</b>	AMO-13-11: Provide equal opportunity (EO) assessment and technical assistance, or on-site compliance assessment on-location, at a minimum of two STEM or STEM-related programs that receive NASA funding.				
<b>FY14</b>	AMO-14-10: Broaden the scope of civil rights technical assistance to NASA grantees through the MissionSTEM Website on grantee civil rights requirements and promising practices for grantee compliance and diversity and inclusion.				
<b>Comments</b>	NASA altered the language of this APG for FY 2013 to clarify the measurement to be made.				

Reported Annual Performance	
<b>No annual performance goal in FY12 or trended performance.</b>	
<b>Contributing Theme:</b>	Agency Management and Operations
<b>Contributing Program(s):</b>	Agency Management
Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	AMO-14-11: Provide civil rights compliance assessment at a minimum of two STEM or STEM-related programs that receive NASA funding.

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### OUTCOME 6.2: PROMOTE STEM LITERACY THROUGH STRATEGIC PARTNERSHIPS WITH FORMAL AND INFORMAL ORGANIZATIONS.

The complexity of meeting formal and informal education needs and requirements demands a highly collaborative approach. Through strategic partnerships, [NASA Education](#) leverages the resources and expertise of its partners, scales its investments to reach new audiences, and expands established networks. Tapping into partners' creativity and innovation helps disseminate NASA's products and services in a broader and more systematic manner to reach new users more effectively.

NASA provides numerous opportunities for K–12 educators to engage directly with the science and engineering work conducted by the NASA mission directorates. NASA Education works with local, state, and Federal organizations to ensure that NASA's services and products provide information and opportunities that are appropriate, meet established needs, and support ongoing STEM initiatives.

#### Reported Multi-Year Performance

**Multi-Year Performance Goal 6.2.1.1: Provide educator professional development experiences and materials that align to needs and opportunities identified by districts, states, Department of Education, professional organizations, and other stakeholders.**

<b>FY11</b>	In FY 2012, 65 percent of educators reported via survey that they used NASA resources after participating in NASA professional development, exceeding NASA's target of 50 percent. The Office of Education plans to continue to perform well in this area.
<b>Green</b>	
<b>FY12</b>	NASA's Office of Education partnered with universities, professional education associations, industry, and other Federal agencies to provide K-12 teachers and university faculty with experiences that capitalize on the excitement of NASA discoveries to spark student interest and involvement in STEM.
<b>Green</b>	

Update to Multi-Year Performance Goal	
<b>FY13 Update</b>	No performance goal in FY13.
<b>FY14</b>	No performance goal in FY14.

Reported Annual Performance					
ED-12-7: 50 percent of educators use NASA resources in their curricula after participating in NASA professional development as measured by survey responses.					
<b>Contributing Theme:</b>		Education			
<b>Contributing Program(s):</b>		STEM Education and Accountability			
FY07	FY08	FY09	FY10	FY11	FY12
None	None	None	None	ED-11-7 Yellow	ED-12-7 Green
Planned Annual Performance					
<b>FY13 Update</b>	No annual performance goal in FY13.				
<b>FY14</b>	No annual performance goal in FY14.				

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### Reported Multi-Year Performance

**No Multi-Year Performance Goal in FY12 or trended performance.**

<b>Update to Multi-Year Performance Goal</b>	
<b>FY13</b>	6.2.1.3: Increase NASA's engagement in national STEM education policy discussions to improve curricula, inform national standards in STEM subjects, and ensure coordination and sharing of best practices across federal STEM agencies to avoid duplication, overlap, or fragmentation.
<b>FY14</b>	This performance goal remains the same in FY14.

<b>Reported Annual Performance</b>	
<b>No annual performance goal in FY12 or trended performance.</b>	
<b>Contributing Theme:</b>	Education
<b>Contributing Program(s):</b>	STEM Education and Accountability
<b>Planned Annual Performance</b>	
<b>FY13 Update</b>	ED-13-4: Participate in no fewer than 20 STEM education advisory boards, STEM-related committees, or other events or activities related to national STEM education policy.
<b>FY14</b>	ED-14-4: Participate in no fewer than 20 STEM education advisory boards, STEM-related committees, or other events or activities related to national STEM education policy.

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### OUTCOME 6.3: ENGAGE THE PUBLIC IN NASA'S MISSIONS BY PROVIDING NEW PATHWAYS FOR PARTICIPATION.

NASA encourages active participation in the Agency's programs and Mission, consistent with the philosophy of government transparency. Through participatory engagement, NASA seeks to include the public in the adventure and excitement of its activities and tap into individual creativity and capabilities to enhance its work in science, discovery, and exploration.

NASA's participatory engagement activities, led by the Office of Communications, span the communications spectrum ranging from passive activities, like watching online NASA videos, to highly interactive activities that use NASA-related social media tools or provide hands-on experiences. NASA also uses these activities to collaborate with the public on interpretation of data and discoveries. By increasing the mechanisms through which the public can directly and specifically contribute to NASA's missions, the Office of Communications can bring additional creativity and capability to some of the biggest challenges, and leverage NASA's resources to accomplish more toward the Agency's goals.

#### Reported Multi-Year Performance

**Multi-Year Performance Goal 6.3.1.1: By 2015, establish an Agency-wide portfolio of participatory engagement opportunities.**

<b>FY11</b>	The Office of Communications awarded approximately \$525,000 in funding to the Sally Ride Science for <a href="#">EarthKam</a> and <a href="#">Zero Robotics</a> at the Massachusetts Institute of Technology for the SPHERES Program to advance the Agency's participatory engagement initiative. These were sole-source awards based on a management determination that participatory engagement resources would be better focused on leveraging existing opportunities. In addition, the office is developing a participatory engagement Web site, which will serve as an Agency-wide portfolio of participatory engagement opportunities.
<b>Green</b>	
<b>FY12</b>	
<b>Green</b>	

Update to Multi-Year Performance Goal	
<b>FY13 Update</b>	This performance goal remains the same in FY13.
<b>FY14</b>	This performance goal remains the same in FY14.

Reported Annual Performance					
AMO-12-20: Issue a competitive opportunity to engage the public in NASA's activities.					
<b>Contributing Theme:</b>		Agency Management and Operations			
<b>Contributing Program(s):</b>		Agency Management			
<b>FY07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
None	None	None	None	<b>AMO-11-20 Green</b>	<b>AMO-12-20 White</b>
<b>Why this APG was not achieved:</b> The original plan was for NASA to use the April 2012 OpenGov International Apps Challenge as the venue for a competitive opportunity for participatory engagement of the public. In 2012, the Office of Communications management determined that the participatory engagement resources would be better focused on leveraging other existing activities and redirected the funds planned for the competitive opportunity.					



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<b>Planned Annual Performance</b>	
<b>FY13 Update</b>	AMO-13-12: Evaluate portfolio of participatory engagement activities and establish best practices.
<b>FY14</b>	AMO-14-12: Develop standardized Agency metrics for assessing success of participatory engagement activities.

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### OUTCOME 6.4: INFORM, ENGAGE AND INSPIRE THE PUBLIC BY SHARING NASA'S MISSIONS, CHALLENGES, AND RESULTS.

The opportunities and means for sharing information have increased tremendously with the Internet, social media, and other new technologies. For scientific and programmatic announcements, NASA continues traditional communications activities like issuing press releases, hosting media events, and providing photographs and videos of missions and events. Additionally, the [Office of Education](#), the Office of Communications, and the mission directorates are expanding their content to reach more diverse audiences. For example, interactive experiences with astronauts, scientists, and engineers, through an online presence and other outreach events, are well-suited for engaging the public and students. As discussed in Outcome 6.3, the Office of Communications is taking advantage of recent and emerging technologies and media (Tweetups, live streaming video, social media) to deliver NASA information to a more diverse audience.

NASA shares the direct results of its missions by releasing scientific data to researchers and other government agencies. The Agency contributes data to online portals like [www.data.gov](http://www.data.gov) allowing its use by anyone with the capability to access it. NASA Web sites host a wealth of mission and program information, and NASA participates fully in Administration initiatives for transparency by providing specific program and project information through information-sharing portals.

#### Reported Multi-Year Performance

##### Multi-Year Performance Goal 6.4.1.1: Leverage communities of practice to facilitate sharing of NASA successes and challenges with the public.

FY11	Through the <a href="#">NASA Museum Alliance</a> , NASA involved over 420 museums and science centers in engaging the public in NASA activities. The Museum Alliance is a community of practice comprising informal science educators at museums, science centers, planetariums, observatory visitor centers, NASA visitor centers, Challenger Centers, zoos, aquariums, parks, and nature centers who wish to share NASA information with their visitors.
Green	
FY12	
Green	
	Exhibits, planetarium shows, and community-based programming are among 18 new grants NASA selected to receive agency funding in 2012. The awarded institutions consist of 11 informal education providers and seven NASA visitor centers that are sharing \$10 million resulting from the 63 proposals submitted through NASA Research Announcement entitled 2011 Competitive Program for Science Museums and Planetariums Plus Opportunities for NASA Visitor Centers and Other Informal Education Institutions.

Update to Multi-Year Performance Goal	
FY13 Update	Continue to provide opportunities for learners to engage in STEM education through NASA content provided to informal education institutions.
FY14	This performance goal remains the same in FY14.
Comments	NASA revised the language of this performance goal for FY 2013 to clarify what performance is being assessed.

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Reported Annual Performance					
<b>ED-12-9: 420 museums and science centers across the country actively engage the public in major NASA events.</b>					
<b>Contributing Theme:</b>			Education		
<b>Contributing Program(s):</b>			STEM Education and Accountability		
FY07	FY08	FY09	FY10	FY11	FY12
None	<b>8ED06 Green</b>	<b>9ED11 Green</b>	<b>10ED10 Green</b>	<b>ED-11-9 Green</b>	<b>ED-12-9 Green</b>
Planned Annual Performance					
<b>FY13 Update</b>	ED-13-5: Maintain the NASA Museum Alliance and/or other STEM Education strategic partnerships in no fewer than 30 states, U.S. Territories and/or the District of Columbia.				
<b>FY14</b>	ED-14-5: Maintain the NASA Museum Alliance and/or other STEM Education strategic partnerships in no fewer than 30 states, U.S. Territories and/or the District of Columbia.				

### Reported Multi-Year Performance

**Multi-Year Performance Goal 6.4.2.1: Use current and emerging communications technologies to reach increasingly broad audiences.**

<b>FY11</b>	The Office of Communications continues to offer traditional media products such as media releases and NASA TV, and increased the reach of the Agency’s social and new media activities. In FY 2012, NASA hosted 17 <a href="#">Socials</a> , including the first ever multi-Center Social for the Curiosity landing. Socials provide opportunities for NASA's social media followers to learn and share information about NASA's missions, people, and programs. NASA is the second-most followed government agency on Twitter, with a total of almost three million followers. NASA continues to add new social media tools, such as Google+ Hangouts, which have been hosted by NASA scientists and officials like NASA Administrator Bolden. NASA TV provides coverage of daily mission operations and special events such as the Discovery fly over in the Washington area and Neil Armstrong memorial service.
<b>Green</b>	
<b>FY12</b>	
<b>Green</b>	

Update to Multi-Year Performance Goal	
<b>FY13 Update</b>	This performance goal remains the same in FY13.
<b>FY14</b>	This performance goal remains the same in FY14.

Reported Annual Performance					
<b>AMO-12-21: Evaluate communication tools for impact and establish Agency best practices.</b>					
<b>Contributing Theme:</b>			Agency Management and Operations		
<b>Contributing Program(s):</b>			Agency Management		
FY07	FY08	FY09	FY10	FY11	FY12
None	None	None	None	<b>AMO-11-21 Green</b>	<b>AMO-12-21 Green</b>
Planned Annual Performance					
<b>FY13 Update</b>	AMO-13-13: Evaluate for effectiveness social media tools the Agency uses to expand public outreach.				
<b>FY14</b>	AMO-14-13: Assess the reach and effectiveness of programs that cultivate and deploy NASA employees to do public outreach.				

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### Reported Multi-Year Performance

**Multi-Year Performance Goal 6.4.3.1: Make available Agency records through the Freedom of Information Act (FOIA), Privacy Act, and Open Government Initiative in accordance with federal laws and regulations.**

<b>FY11</b>	The NASA FOIA office is responding to new FOIA cases in a timely fashion and has eliminated the historical backlog. The NASA FOIA office is continuing to work with Agency offices to streamline reporting practices to ensure a timely response to requests.
<b>Green</b>	
<b>FY12</b>	The NASA FOIA office drafted the NASA FOIA regulations, which are planned for publication in FY 2013.
<b>Green</b>	

Update to Multi-Year Performance Goal	
<b>FY13 Update</b>	This performance goal remains the same in FY13.
<b>FY14</b>	Provide open access to NASA content for use by internal and external audiences.

Reported Annual Performance					
AMO-12-22: Finalize NASA Freedom of Information Act (FOIA) regulations.					
<b>Contributing Theme:</b>		Agency Management and Operations			
<b>Contributing Program(s):</b>		Agency Management			
FY07	FY08	FY09	FY10	FY11	FY12
None	None	None	None	AMO-11-22 Green	AMO-12-22 Green
Planned Annual Performance					
<b>FY13 Update</b>	AMO-13-14: Decrease the Freedom of Information (FOIA) backlog of requests by 10 percent.				
<b>FY14</b>	MO-14-14: Assess the use and reach of NASA content by external users.				

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### Efficiency Measures

Reported Annual Performance					
<b>AR-12-15 Deliver at least 86 percent of on-time availability for operations and research facilities.</b>					
<b>Contributing Theme:</b>		Aeronautics			
<b>Contributing Program(s):</b>		Aeronautics Test			
FY07	FY08	FY09	FY10	FY11	FY12
7AT8 Yellow	8AT17 Yellow	9AT12 Green	10AT13 Green	AR-11-12 Yellow	AR-12-15 Green

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

Reported Annual Performance					
<b>AS-12-6 Complete all development projects within 110 percent of the cost and schedule baseline.</b>					
<b>Contributing Theme:</b>		Astrophysics			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
7UNIV9 Red	8AS09 Yellow	9AS12 Yellow	10AS11 Green	AS-11-6 White	AS-12-6 Yellow

**Why this APG was not achieved:**

NASA did not achieve this annual performance goal due to schedule growth that exceeded 10 percent of the estimated baseline at the Confirmation Review. The NuSTAR project realized 17 percent schedule growth due to delays in the launch provider's validation of flight software associated with the new launch vehicle flight computer and subsequent launch site availability issues. Based on these factors, the NuSTAR launch slipped from March to June 2012. Project costs, however, remained well within the threshold, at three percent growth from the confirmed baseline.

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

Reported Annual Performance					
<b>AS-12-7 Deliver at least 90 percent of scheduled operating hours for all operations and research facilities.</b>					
<b>Contributing Theme:</b>		Astrophysics			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
7UNIV10 Green	8AS10 Green	9AS13 Green	10AS12 Green	AS-11-7 Green	AS-12-7 Green

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Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

Reported Annual Performance					
AS-12-8 Peer-review and competitively award at least 95 percent, by budget, of research projects.					
<b>Contributing Theme:</b>		Astrophysics			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7UNIV11</b> Green	<b>8AS11</b> Green	<b>9AS14</b> Green	<b>10AS13</b> Green	<b>AS-11-8</b> Green	<b>AS-12-8</b> Green

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

Reported Annual Performance					
AS-12-9 Maintain time within which 80 percent of NASA Research Announcement (NRA) grants are awarded, from proposal due date to selection, at no more than 180 days.					
<b>Contributing Theme:</b>		Astrophysics			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7UNIV12</b> Green	<b>8AS12</b> Yellow	<b>9AS15</b> Green	<b>10AS14</b> Green	<b>AS-11-9</b> Green	<b>AS-12-9</b> Green

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

Reported Annual Performance					
ES-12-20 Complete all development projects within 110 percent of the cost and schedule baseline.					
<b>Contributing Theme:</b>		Earth Science			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7ESS21</b> Yellow	<b>8ES15</b> Yellow	<b>9ES21</b> Red	<b>10ES17</b> Red	<b>ES-11-19</b> Red	<b>ES-12-20</b> Red
<b>Why this APG was not achieved:</b>					
NASA did not achieve this annual performance goal due to cost and schedule growth that exceeded 10 percent of the estimated baseline for the NPOESS Preparatory Project (NPP), which launched in FY 2012. The NPP project experienced delays due to on-going development issues with instruments provided by NASA's government partners.					

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

## PERFORMANCE REPORTING AND PLANNING

Reported Annual Performance					
<b>ES-12-21 Deliver at least 90 percent of scheduled operating hours for all operations and research facilities.</b>					
<b>Contributing Theme:</b>		Earth Science			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7ESS22</b> <b>Green</b>	<b>8ES16</b> <b>Yellow</b>	<b>9ES22</b> <b>Green</b>	<b>10ES18</b> <b>Green</b>	<b>ES-11-20</b> <b>Green</b>	<b>ES-12-21</b> <b>Green</b>

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

Reported Annual Performance					
<b>ES-12-22 Peer-review and competitively award at least 90 percent, by budget, of research projects.</b>					
<b>Contributing Theme:</b>		Earth Science			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7ESS23</b> <b>Green</b>	<b>8ES17</b> <b>Green</b>	<b>9ES23</b> <b>Green</b>	<b>10ES19</b> <b>Green</b>	<b>ES-11-21</b> <b>Green</b>	<b>ES-12-22</b> <b>Green</b>

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

Reported Annual Performance					
<b>ES-12-23 Reduce time within which 80 percent of NASA Research Announcement (NRA) grants are awarded, from proposal due date to selection, by four percent per year, with a goal of 180 days.</b>					
<b>Contributing Theme:</b>		Earth Science			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7ESS24</b> <b>Red</b>	<b>8ES18</b> <b>Green</b>	<b>9ES24</b> <b>Red</b>	<b>10ES20</b> <b>Yellow</b>	<b>ES-11-22</b> <b>Yellow</b>	<b>ES-12-23</b> <b>Red</b>

**Why this APG was not achieved:**

The Earth Science Division (ESD) completed 80 percent of FY 2012 selections within 236 days, a small improvement from FY 2011's 240 days. The magnitude of solicitations, based on coverage of the diversity of scientific disciplines, and the number of proposals received continues to provide a challenge to meeting the targeted reductions. Additionally, staff workload is a factor. The small improvement was the result of the development of an integrated plan for the year ahead outlining the solicitations, the expected proposal numbers, and scheduling of review panels, while taking staffing into consideration. However, the planning effort was only starting to take effect in the selections for the current review cycle.

## PERFORMANCE REPORTING AND PLANNING

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

Reported Annual Performance					
<b>HE-12-6 Complete all development projects within 110 percent of the cost and schedule baseline.</b>					
<b>Contributing Theme:</b>		Heliophysics			
<b>Contributing Program(s):</b>		Multiple Programs			
<b>FY07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
<b>7ESS21</b> Yellow	<b>8HE07</b> Red	<b>9HE10</b> Yellow	<b>10HE09</b> Red	<b>HE-11-6</b> White	<b>HE-12-6</b> Green

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

Reported Annual Performance					
<b>HE-12-7 Deliver at least 90 percent of scheduled operating hours for all operations and research facilities.</b>					
<b>Contributing Theme:</b>		Heliophysics			
<b>Contributing Program(s):</b>		Multiple Programs			
<b>FY07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
<b>7ESS22</b> Green	<b>8HE08</b> Green	<b>9HE11</b> Green	None	<b>HE-11-7</b> Green	<b>HE-12-7</b> Green

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

Reported Annual Performance					
<b>HE-12-8 Peer-review and competitively award at least 95 percent, by budget, of research projects.</b>					
<b>Contributing Theme:</b>		Heliophysics			
<b>Contributing Program(s):</b>		Multiple Programs			
<b>FY07</b>	<b>FY08</b>	<b>FY09</b>	<b>FY10</b>	<b>FY11</b>	<b>FY12</b>
<b>7ESS22</b> Green	<b>8HE09</b> Green	<b>9HE12</b> Green	None	<b>HE-11-8</b> Green	<b>HE-12-8</b> Green

Planned Annual Performance	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.



## PERFORMANCE REPORTING AND PLANNING

<b>Reported Annual Performance</b>					
<b>HE-12-9 Reduce time within which 80 percent of NASA Research Announcement (NRA) grants are awarded, from proposal due date to selection, by four percent per year, with a goal of 180 days.</b>					
<b>Contributing Theme:</b>		Heliophysics			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7ESS24</b> Red	<b>8HE10</b> Yellow	<b>9HE13</b> Green	<b>10HE12</b> Red	<b>HE-11-9</b> Green	<b>HE-12-9</b> Green

<b>Planned Annual Performance</b>	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

<b>Reported Annual Performance</b>					
<b>PS-12-14 Complete all development projects within 110 percent of the cost and schedule baseline.</b>					
<b>Contributing Theme:</b>		Planetary Science			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7SSE10</b> Red	<b>8PS09</b> White	<b>9PS11</b> Red	<b>10PS15</b> White	<b>PS-11-14</b> Green	<b>PS-12-14</b> Red
<b>Why this APG was not achieved:</b> NASA did not achieve this annual performance goal due to Mars Science Laboratory (MSL) cost growth that exceeded 10 percent of the estimated baseline at the Confirmation Review. MSL has demonstrated spectacular technical success, but it launched after a two-year delay and nearly 55 percent lifecycle cost growth from its originally confirmed baseline.					

<b>Planned Annual Performance</b>	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

<b>Reported Annual Performance</b>					
<b>PS-12-15 Deliver at least 90 percent of scheduled operating hours for all operations and research facilities.</b>					
<b>Contributing Theme:</b>		Planetary Science			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7SSE11</b> Green	<b>8PS10</b> Green	<b>9PS12</b> Green	<b>10PS16</b> Green	<b>PS-11-15</b> Green	<b>PS-12-15</b> Green

<b>Planned Annual Performance</b>	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

## PERFORMANCE REPORTING AND PLANNING

<b>Reported Annual Performance</b>					
<b>PS-12-16 Peer-review and competitively award at least 95 percent, by budget, of research projects.</b>					
<b>Contributing Theme:</b>		Planetary Science			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7SSE12</b> <b>Green</b>	<b>8PS11</b> <b>Green</b>	<b>9PS13</b> <b>Green</b>	<b>10PS13</b> <b>Green</b>	<b>PS-11-16</b> <b>Green</b>	<b>PS-12-16</b> <b>Green</b>

<b>Planned Annual Performance</b>	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.

<b>Reported Annual Performance</b>					
<b>PS-12-17 Reduce time within which 80 percent of NASA Research Announcement (NRA) grants are awarded, from proposal due date to selection, by four percent per year, with a goal of 180 days.</b>					
<b>Contributing Theme:</b>		Planetary Science			
<b>Contributing Program(s):</b>		Multiple Programs			
FY07	FY08	FY09	FY10	FY11	FY12
<b>7SSE13</b> <b>Red</b>	<b>8PS12</b> <b>Green</b>	<b>9PS14</b> <b>Green</b>	<b>10PS14</b> <b>Red</b>	<b>PS-11-17</b> <b>Red</b>	<b>PS-12-17</b> <b>Red</b>
<b>Why this APG was not achieved:</b>					
The Planetary Science Division completed 80 percent of their selections within 258 days, which represented a significant improvement from the FY 2011 performance of 290 days. The division did not achieve further improvement due to uncertainty in what level of funds would be available for award. The division delayed selections until the uncertainty was resolved.					

<b>Planned Annual Performance</b>	
<b>FY13 Update</b>	No annual performance goal in FY13.
<b>FY14</b>	No annual performance goal in FY14.