

## FY 2007 Appropriations for Science programs within the Department of Energy

[http://www.cfo.doe.gov/budget/07budget/Content/Volumes/Vol\\_4\\_SC\\_DA.pdf](http://www.cfo.doe.gov/budget/07budget/Content/Volumes/Vol_4_SC_DA.pdf)  
(numbers are in millions)

DOE	FY 2006 Final	President's FY 2007 Request	% change FY06 vs FY07 Request	House FY07 Mark	Senate FY07 Mark	FY07 Joint Resolution
<b>Office of Science:</b>						
<b>Biological &amp; Environmental Research</b>	<b>579.8</b> (~\$130M in earmarks)	<b>510.3</b>	<b>-12.0%</b> (up 13.4% w/o earmarks)	<b>540.3</b> (~\$30M in earmarks)	<b>560.0</b> (~\$50M in earmarks)	<b>461.8</b>
Climate Change Research:	141.5	134.9	-4.6%			
Climate Forcing	78.9	77.8	-1.4%			
ARM Research	13.7	14.7	7.3%			
ARM Infrastructure	35.2	35.1	flat			
Atmospheric Science	12.5	12.5	flat			
Terrestrial Carbon Processes	12.5	13.3	6.4%			
Ocean Sciences	3.1	.136	-95.5%			
Information & Integration	1.9	1.9	flat			
Climate Change Modeling	26.7	25.2	-5.6%			
Climate Change Response	24.9	23.2	-6.8%			
<b>Advanced Scientific Computing Research</b>	<b>234.7</b>	<b>318.6</b>	<b>35.7%</b>	<b>318.6</b>		<b>234.5</b>
<b>Total, Office of Science</b>	<b>3,596.4</b>	<b>4,101.7</b>	<b>14.1%</b>	<b>4,131.7</b>	<b>4,241.1</b>	<b>3,796.0</b>

### Detail on [House Joint Resolution](#) (1/31/07):

The long wait for a resolution of the FY 2007 appropriations bills begins to unfold this week as the U.S. House of Representatives passed a year-long funding resolution. The resolution provides funding for federal agencies and programs funded in nine of the 11 annual appropriations bills. It totals \$463.5

billion, which is the amount remaining under the budget resolution following the enactment of the Department of Defense Appropriations Act and the Department of Homeland Security Appropriations Act.

The resolution uses the FY 2006 enacted funding level as the base level of funding, and makes adjustments in some areas to fund high priority needs, including several priorities of the research and education communities. There are no Congressionally directed earmarks included in the resolution, but the funding used for earmarks in FY 2006 has been retained by many agencies.

The funding resolution would provide an additional \$200 million for the Department of Energy's Office of Science for a total of \$3.796 billion, an increase of 5.6 percent over the FY 2006 funding level of \$3.596 billion. In addition, about \$130 million originally directed toward Congressional earmarks in FY 2006 remains in the FY 2007 funding level without the associated earmarks. The \$200 million increase provided in the resolution coupled with the \$130 million in the base previously used for earmarks, as well as the presumed ability of DOE to shift funding among programs within the Office of Science, should allow DOE to plug holes in facility operations and staffing that were feared under a year-long continuing resolution at FY 2006 levels.

While the additional funding clearly makes DOE's Office of Science a "winner" under the year-long funding resolution, it is interesting to note the higher expectations that many DOE Office of Science advocates had earlier this year, with the Administration requesting an FY 2007 increase of \$500 million (14.1 percent), the House FY 2007 Energy and Water Appropriations bill providing an increase of \$536 million (14.9 percent), and the Senate appropriations bill providing an increase of \$644.63 million (17.9 percent). It should also be noted that in recent weeks, a significant number of Congressional Members advocated for the Office of Science, with 65 House Members and 45 Senators signing on to letters to appropriators asking for funding increases.

#### **Detail on the House Mark:**

On May 17, the House Appropriations Committee approved FY 2007 funding levels for Energy and Water Development, which includes funding for DOE's Office of Science. The full committee report is available at: [http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109\\_cong\\_reports&docid=f:hr474.109.pdf](http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109_cong_reports&docid=f:hr474.109.pdf)

Not including the \$30 million in "congressionally directed projects," BER is up 12 percent over FY 2006.

The bill fully funds the American Competitiveness Initiative, which would strengthen basic research by increasing funding for the DOE Office of Science, for a total of \$4.132 billion. In addition, the bill supports the Advanced Energy Initiative by increasing funding for a variety of clean energy technologies, including biomass, hydrogen, solar, wind, and clean coal.

#### **Detail on President's FY 2007 Request:**

President Bush elevates the profile of the Department of Energy (DOE) in his FY 2007 budget through initiatives associated with his Advanced Competitiveness Initiative (ACI) and Advanced Energy Initiative (AEI).

The ACI is designed to encourage American innovation and strengthen the nation's ability to compete in a global economy. The ACI includes proposals to increase investments in research and development (R&D) over the next ten years, including a doubling of the budget for DOE's Office of Science.

**DOE Office of Science.** The President's request of \$4.1 billion for DOE's Office of Science represents a funding increase of \$505.3 million or 14.1 percent above the FY 2006 level. The most significant funding increases are for Basic Energy Sciences (+\$286.4 million/+25.2 percent) and for Advanced Scientific Computing Research (+\$84 million/+35.8 percent). The Biological and Environmental Research programs are decreased by \$69.6 million (-12 percent) largely due to the deletion of congressionally directed projects (earmarks).

**Biological and Environmental Research.** The budget includes \$510.3 million for Biological and Environmental Research (BER), a reduction of \$69.6 million (-12 percent). Within the request is \$126.2 million for the Climate Change Science program, a reduction of \$6.6 million (-5 percent), largely due to the conclusion of ocean sciences and ocean carbon sequestration research. The President requests increases of \$49.8 million (+58 percent) for the Genomes to Life (GTL) program, and \$11.7 million for the Human Genome program at the Joint Genome Institute. The Administration terminates funding for congressionally directed projects (earmarks) for savings of \$128.7 million.

**Advanced Scientific Computing Research.** The President would provide \$318.7 million for Advanced Scientific Computing research, an increase of \$84 million (+35.8 percent). Increases would be targeted to computational partnerships (+\$11.9 million) and to the Leadership Computing Facilities at Oak Ridge and Argonne National Labs (+48.8 million). An additional \$17.3 million is requested for the Production Computing Facility (NERSC) to increase capacity.