

## Calendar No. 104

111TH CONGRESS }  
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SENATE

{ REPORT  
111-45

### ENERGY AND WATER DEVELOPMENT APPROPRIATIONS BILL, 2010

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JULY 9, 2009.—Ordered to be printed

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Mr. DORGAN, from the Committee on Appropriations,  
submitted the following

### REPORT

[To accompany S. 1436]

The Committee on Appropriations reports the bill (S. 1436) making appropriations for energy and water development and related agencies for the fiscal year ending September 30, 2010, and for other purposes, favorably thereon and recommends that the bill do pass.

The Committee on Appropriations, to which was referred the bill (H.R. 0000) making appropriations for energy and water development and related agencies for the fiscal year ending September 30, 2010, and for other purposes, reports the same to the Senate with an amendment, and an amendment to the title, and recommends that the bill as amended do pass.

#### *Amount in new budget (obligational) authority, fiscal year 2010*

Total of bill as reported to the Senate .....	\$34,271,000,000
Amount of 2009 appropriations .....	92,533,165,000
Amount of 2010 budget estimate .....	34,914,709,000
Bill as recommended to Senate compared to—	
2009 appropriations .....	– 58,262,165,000
2010 budget estimate .....	– 643,709,000

ical, industrial and agricultural groups to ascertain if available inventories can be used in industrial or medical applications and how to improve the utilization of existing sources and avoid further production or importation of new sources. Finally, the Office of Science, working with all the relevant offices, is directed to make recommendations for investment in U.S. facilities including research reactors or accelerators that could be upgraded to provide domestic sources for medical and industrial applications.

#### HIGH ENERGY PHYSICS

The Committee recommends \$813,000,000 for High Energy Physics. The Committee questions the increased investment in Large Hadron Collider [LHC] support when the timing of the restart of the LHC is in doubt. The Committee urges the Office of Science and the LHC managers to improve communication on the status of the LHC.

#### NUCLEAR PHYSICS

The Committee recommends \$540,000,000 for Nuclear Physics. Within the funds provided, \$17,500,000 is for nuclear medicine medical application research. The Committee emphasizes its commitment to nuclear medicine medical application research at the Department of Energy. All of the added funds must be awarded competitively in one or more solicitation that includes all sources—universities, the private sector, and Government laboratories. Funding for nuclear medicine application research was previously within the Biological and Environmental Research program.

#### BIOLOGICAL AND ENVIRONMENTAL RESEARCH

The Committee recommends \$604,182,000 for Biological and Environmental Research. The Committee recognizes the international communities' reliance on the NNSA laboratories expertise in climate change modeling and continues to believe the NNSA laboratories are well equipped to develop and deploy a national system for science-based stewardship that combines advanced modeling, multi-scale monitoring, and impact analysis tools. These laboratories, with their experience in nuclear weapons nonproliferation and their unique capabilities across a wide range of technical resources are able to make a significant contribution in the development and implementation of a comprehensive climate research strategy. The Committee directs the Office of Science to continue to work closely with the NNSA laboratories on climate change modeling.

#### BASIC ENERGY SCIENCES

The Committee recommends \$1,653,500,000 for Basic Energy Sciences. Of these funds \$154,240,000 is provided for construction activities as requested in the budget. The remaining \$1,499,260,000 is for research. The Committee does not accept the proposed new break out of subaccounts within Basic Energy Sciences as proposed by the budget.

Within the research funds provided \$35,000,000 is for the Experimental Program to Stimulate Competitive Research [EPSCoR].