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110TH CONGRESS }
1st Session }

SENATE

{ REPORT
{ 110-127

ENERGY AND WATER APPROPRIATIONS BILL, 2008

JULY 9, 2007.—Ordered to be printed

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

REPORT

[To accompany S. 1751]

The Committee on Appropriations reports the bill (S. 1751) making appropriations for energy and water development for the fiscal year ending September 30, 2008, and for other purposes, favorably thereon and recommends that the bill do pass.

Amount in new budget (obligational) authority, fiscal year 2008

| | |
|---|-----------------------------|
| Total of bill as reported to the Senate | \$32,791,321,000 |
| Amount of 2007 appropriations | ¹ 32,562,190,000 |
| Amount of 2008 budget estimate | 30,887,838,000 |
| Bill as recommended to Senate compared to— | |
| 2007 appropriations | + 229,131,000 |
| 2008 budget estimate | + 1,903,483,000 |

¹ Includes Emergency Appropriations of \$1,761,665,000.

COMMITTEE DIRECTED OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY PROJECTS—
Continued

| Project | Committee recommendation | Requested by |
|--|--------------------------|--------------|
| Alabama Power Project, Integrated Distribution Management System, Alabama .. | 2,000,000 | Shelby |

NUCLEAR ENERGY

| | |
|--------------------------------|---------------|
| Appropriations, 2007 | \$618,190,000 |
| Budget estimate, 2008 | 801,703,000 |
| Committee recommendation | 720,558,000 |

The Committee recommendation for the Office of Nuclear Energy is \$720,558,000.

Global Nuclear Energy Partnership.—The Committee recognizes the administration, through the Global Nuclear Energy Partnership, is seeking to reduce the amount of nuclear waste that will need to be placed in a permanent repository or repositories. The goal of providing a comprehensive solution to the nuclear fuel cycle is understandable in light global growth of nuclear power. The policy of reinitiating the recycling of spent nuclear fuel in the United States is a significant issue and one that has international implications. While the Committee has members who support the administration's efforts on GNEP there are also members who have questions regarding the cost, pace, science, technology, and non-proliferation implications underpinning the GNEP initiative. The Committee believes the administration must come forward with greater scientific, technical, and policy information that examines more alternatives in the fuel cycle and recycling process. The administration is directed to limit the fiscal year 2008 work scope to research and development and technology demonstrations at existing facilities. No funds may be used beyond conceptual design of new facilities or the sodium cooled fast burner reactor.

RESEARCH AND DEVELOPMENT

The Committee recommendation for nuclear energy research and development includes a total of \$470,600,000. This is \$97,145,000 below the budget request of \$567,745,000.

University Reactor Fuel Assistance and Support.—For the second year, the Committee rejects the administration's proposal to include funding within the research and development accounts and provides \$15,000,000 for this program. The Committee has decided to break this funding out of the research and development accounts, and therefore, doesn't expect the Department to duplicate these efforts.

Nuclear Power 2010.—The Committee has included \$135,000,000 to support the development of license applications for new nuclear power plant designs under the Nuclear Regulatory Commission's combined Construction and Operating License process, an increase of \$21,000,000.

Nuclear Hydrogen Initiative.—The Committee provides \$22,600,000 for nuclear hydrogen research and development, as requested. The Committee recommends the Department work to accelerate the experiments for thermochemical and high-temperature