

Department of Energy FY13 Budget Summary

The Department of Energy (DOE) is requesting \$27.2 billion in discretionary budget authority for FY13, a 3.2 percent increase above the 2012 enacted level. This request includes all discretionary spending for the department's energy research, science, environmental management, and defense programs. The request places a high priority on clean energy R&D to spur innovation and to advance manufacturing

DOE Office of Science budget would grow by 2.4 percent.

The funding request for the DOE Office of Science is \$4.99 billion, an increase of \$118.4 million, or 2.4 percent, above the FY12 funding level of 4.84 billion.

The FY13 budget request for the DOE Office of Science would:

- Enable approximately 26,000 researchers from universities, national laboratories, and industry to use DOE scientific facilities in FY12.
- Support approximately 27,000 investigators at about 300 academic institutions and from all DOE national laboratories.

The FY13 budget request proposes the following funding levels for DOE Office of Science program areas:

- **High Energy Physics (HEP)** would receive \$776.5 million, a decrease of \$14.3 million, or 1.8 percent, below the FY12 enacted level of \$790.9 million.
- **Nuclear Physics (NP)** would receive \$526.9 million, a decrease of \$20.4 million, or 3.7 percent, below the FY12 enacted level of \$547.4 million.
- **Fusion Energy Sciences (FES)** would be funded at \$398.3 million, a decrease of \$2.7 million, or 0.7 percent, below the FY12 enacted level of \$401.0 million.
- **Biological and Environmental Research (BER)** would receive \$625.3 million, an increase of \$15.8 million, or 2.6 percent, over the FY12 enacted level of \$609.6 million.
- **Basic Energy Sciences (BES)** would be funded at \$1.8 billion, an increase of \$111.5 million, or 6.7 percent, over the FY12 enacted level of \$1.7 billion.
- **Advanced Scientific and Computing Research (ASCR)** would be funded at \$455.6 million, an increase of \$14.7 million, or 3.4 percent, over the FY12 enacted level of \$440.9 million.
- **Science Laboratories Infrastructure** would receive \$117.8 million, an increase of \$6.0 million, or 5.4 percent, over the FY12 enacted level of \$111.8 million.

- **Workforce Development for Teachers and Scientists** would receive \$14.5 million, a decrease of \$4.0 million, or 21.6 percent, below the FY12 enacted amount of \$18.5 million.

Funding for the DOE Office of Science Fellowship Program Discontinued.

Within the Workforce Development for Teachers and Scientist program, funding for the existing DOE Office of Science Fellowship program, funded at \$5.0 million in FY12, is discontinued.

The FY13 Budget Increases Funding For the Energy Frontier Research Center (EFRC) Program

Within the BES program, \$120 million is provided to support the existing 46 Energy Frontier Research Centers (EFRCs). This is a 20 percent increase from the FY12 level of \$100 million. The additional \$20 million is intended to enhance integration of EFRC research activities with DOE applied energy research and technology programs. The goal is to improve the application and use of scientific advances.

DOE Request Supports Existing Five and One New Energy Innovation Hubs

The budget proposes a total of just over \$140 million to fund the five existing Energy Innovation Hubs and to establish a new hub focused on grid systems and the tie between transmission and distribution systems.

Of the funds requested by DOE for the hubs, \$24.2 million is requested for four of the hubs currently funded by Congress. These hubs focus on: Fuels from Sunlight (Office of Science); Energy Efficient Building Systems Design (Energy Efficiency and Renewable Energy); Critical Materials (Energy Efficiency and Renewable Energy); and Batteries and Energy Storage (Office of Science). The fifth existing hub, Modeling and Simulation of Advanced Nuclear Reactors (Nuclear Energy) is slated to receive \$24.6 million. The newly proposed Smart Grid Technology and Systems (Electricity Delivery and Energy Reliability) Hub would receive \$20 million. Funds were requested last year for this hub, but not included in the final appropriations approved by Congress.

Advanced Research Projects Agency-Energy (ARPA-E) to receive \$350 million

The FY13 request for ARPA-E is \$350 million. This represents an increase of \$75 million, or 27.3 percent, over the FY12 level of \$275 million. Of that total, \$325 million is to support R&D projects and \$25 million is for ARPA-E operating costs.

Additional Information

Additional information about the FY13 DOE budget request, including key budget highlights and the full budget justification, is available at:

<http://www.mbe.doe.gov/budget/13budget/index13.html>.