



H.R. 3776 - Energy Storage Technology Advancement Act of 2007

FLOOR SITUATION

H.R. 3776 is being considered on the floor under suspension of the rules and will require a two-thirds majority vote for passage. This legislation was introduced by Representative Bart Gordon (D-TN) on October 9, 2007. The bill was ordered to be reported, as amended, by voice vote by the Committee Science and Technology on October 16, 2007.

H.R. 3776 is expected to be considered on the floor of the House of Representatives on October 22, 2007.

SUMMARY

Energy Storage System Program: The bill directs the Secretary of Energy to carry out a research, development, and demonstration program to promote U.S. global competitiveness in energy storage systems.

Basic Research Program: The bill mandates the Department of Energy to establish a basic research program devoted to the development of energy storage systems for vehicles, stationary applications, and electricity transmission and distribution. It authorizes \$50 million for each of the fiscal years 2009 through 2014 to run this program.

Applied Research Program: The bill mandates the Department of Energy to conduct a applied research program on energy storage systems to promote vehicle, stationary application, and electricity transmission and distribution technologies. It authorizes \$80 million for each of the fiscal years 2009 through 2014 to run this program.

Energy Storage Systems Demonstrations: The bill mandates that the Department of Energy hold 6 demonstrations throughout the country that bring together a range of energy storage stakeholders (i.e. utilities, energy storage manufacturers, universities) to promote the advancement of energy storage systems. It authorizes \$30 million for each FY2009-2014 for these demonstrations.

Vehicle Energy Storage Demonstrations: The bill mandates the Department of Energy to carry out vehicle energy storage technology demonstrations to promote energy storage and usage technologies in vehicles. It authorizes \$30 million for each FY2009-2014 for these demonstrations.

Secondary Applications and Disposal of Electric Vehicle Batteries: The bill authorizes \$5 million for the Department of Energy to carry out a research, development, and

demonstration program to develop secondary applications and disposal processes for electric vehicle batteries.

Coordination and Nonduplication: The bill states that the Energy Secretary coordinate these activities to the maximum extent possible with other federal programs.

BACKGROUND

Energy storage is an important technology for promoting America's electricity supply and energy security. Examples of energy storage technologies include ultra-capacitors, electrolytes, pumped-hydro storage, batteries, flywheels, etc.

ADDITIONAL INFORMATION

[Department of Energy: Energy Storage](#)

Statement of Rep. Ralph Hall (R-TX), Ranking Republican on Science and Technology Committee:

“The Energy Storage Technology Advancement Act will also help our country use energy more efficiently in that it establishes a program at the Department of Energy to develop energy storage devices for stationary and vehicular applications.”

“This will allow our country to utilize renewable energy sources to the maximum extent possible and allow for traditional generation to become even more efficient as energy storage devices will reduce the need for inefficient and expensive power plants to be ramped up during times of high energy demand.” (10/16/2007)

COST

The Congressional Budget Office (CBO) estimates that H.R. 3776 would cost approximately \$638 million over the period from 2008-2012, assuming appropriation of the authorized amount.

[CBO Estimate: H.R. 3776](#)

STAFF CONTACT

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