

Union Calendar No. 302

109TH CONGRESS
2^D SESSION

H. R. 5646

[Report No. 109-538]

To study and promote the use of energy efficient computer servers in the
United States.

IN THE HOUSE OF REPRESENTATIVES

JUNE 20, 2006

Mr. ROGERS of Michigan introduced the following bill; which was referred to
the Committee on Energy and Commerce

JUNE 28, 2006

Committed to the Committee of the Whole House on the State of the Union
and ordered to be printed

A BILL

To study and promote the use of energy efficient computer
servers in the United States.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. STUDY.**

4 Not later than 90 days after the date of enactment
5 of this Act, the Administrator of the Environmental Pro-
6 tection Agency, through the Energy Star program, shall

1 transmit to the Congress the results of a study analyzing
2 the rapid growth and energy consumption of computer
3 data centers by the Federal Government and private en-
4 terprise. The study shall include—

5 (1) an overview of the growth trends associated
6 with data centers and the utilization of servers in
7 the Federal Government and private sector;

8 (2) analysis of the industry migration to the use
9 of energy efficient microchips and servers designed
10 to provide energy efficient computing and reduce the
11 costs associated with constructing, operating, and
12 maintaining large and medium scale data centers;

13 (3) analysis of the potential cost savings to the
14 Federal Government, large institutional data center
15 operators, private enterprise, and consumers avail-
16 able through the adoption of energy efficient data
17 centers and servers;

18 (4) analysis of the potential cost savings and
19 benefits to the energy supply chain through the
20 adoption of energy efficient data centers and servers,
21 including reduced demand, enhanced capacity, and
22 reduced strain on existing grid infrastructure, and
23 consideration of secondary benefits, including poten-
24 tial impact of related advantages associated with
25 substantial domestic energy savings;

1 (5) an overview of current government incen-
2 tives offered for energy efficient products and serv-
3 ices and consideration of similar incentives to en-
4 courage the adoption of energy efficient data centers
5 and servers; and

6 (6) recommendations regarding potential incen-
7 tives and voluntary programs that could be used to
8 advance the adoption of energy efficient data centers
9 and computing.

10 **SEC. 2. SENSE OF CONGRESS.**

11 It is the sense of Congress that it is in the best inter-
12 est of the United States for purchasers of computer serv-
13 ers to give high priority to energy efficiency as a factor
14 in determining best value and performance for purchases
15 of computer servers.

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