



**CONGRESSIONAL BUDGET OFFICE  
COST ESTIMATE**

August 22, 2001

**S. 1008  
Climate Change Strategy and Technology Innovation Act of 2001**

*As ordered reported by the Senate Committee on Governmental Affairs  
on August 2, 2001*

**SUMMARY**

S. 1008 would authorize the appropriation of \$483 million a year over the 2002-2011 period for research, development, and other activities related to climate change. Specifically, it would establish two new offices within the Department of Energy to conduct research and development on climate change technology. It also would establish an office within the Executive Office of the President that would work with an interagency task force to create a strategy for the United States to manage climate change issues. Last, the bill would establish a review board to monitor the progress of the United States in meeting the goals of the strategy. Assuming appropriation of the authorized amounts, CBO estimates that implementing the bill would cost about \$2 billion over the 2002-2006 period.

According to the Office of Management and Budget, in fiscal year 2001, more than \$1.7 billion was appropriated for the United States Global Change Research Program (USGCRP), a multi-agency program that manages research and other activities related to climate change. Amounts authorized to be appropriated under S. 1008 would be in addition to any appropriations for the USGCRP.

The bill would not affect direct spending or receipts; therefore, pay-as-you-go procedures would not apply. It contains no intergovernmental or private-sector mandates as defined in the Unfunded Mandates Reform Act (UMRA) and would not affect the budgets of state, local, or tribal governments.

**ESTIMATED COST TO THE FEDERAL GOVERNMENT**

The estimated budgetary impact of S. 1008 is shown in the following table. The costs of this legislation fall within budget function 270 (energy).

	By Fiscal Year, in Millions of Dollars				
	2002	2003	2004	2005	2006
<b>CHANGES IN SPENDING SUBJECT TO APPROPRIATION</b>					
Authorization Level	483	483	483	483	483
Estimated Outlays	196	388	483	483	483

**BASIS OF ESTIMATE**

For this estimate, CBO assumes that S. 1008 will be enacted near the beginning of fiscal year 2002. Outlays are estimated using historical spending rates for similar programs.

S. 1008 would establish an Office of Climate Change Technology and a Center for Strategic Climate Change Response within the Department of Energy. The bill would authorize an annual appropriation of \$475 million over the 2002-2011 period for the two offices to carry out several responsibilities, including tracking climate change around the world, and managing a new research and development program focused on creating new technology to mitigate climate change. CBO estimates that implementing these programs would cost almost \$2 billion over the 2002-2006 period, and about \$4 billion over the 2002-2011 period.

S. 1008 also would establish and authorize appropriations for other offices related to climate change. Specifically, the bill would:

- Create a National Office of Climate Change Response within the Executive Office of the President and authorize the appropriation of \$5 million a year over the 2002-2011 period;
- Create a Climate Change Response Strategy Review Board and authorize the appropriation of \$3 million a year over the 2002-2011 period; and
- Establish an interagency task force to assist the National Office in developing the United States Climate Change Response Strategy.

CBO estimates that implementing these other programs would cost \$38 million over the 2002-2006 period and \$78 million over the 2002-2011 period.

**PAY-AS-YOU-GO CONSIDERATIONS:** None.

## **INTERGOVERNMENTAL AND PRIVATE-SECTOR IMPACT**

S. 1008 contains no intergovernmental or private-sector mandates as defined in UMRA and would not affect the budgets of state, local, or tribal governments.

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