



CONGRESSIONAL BUDGET OFFICE COST ESTIMATE

August 19, 2009

H.R. 3029

A bill to establish a research, development, and technology demonstration program to improve the efficiency of gas turbines used in combined cycle power generation systems

*As ordered reported by the House Committee on Science and Technology
on July 29, 2009*

SUMMARY

H.R. 3029 would authorize the appropriation of \$260 million over the 2011-2014 period for the Department of Energy (DOE) to improve the efficiency of turbines that use natural gas to generate electricity. Assuming appropriation of the authorized amounts, CBO estimates that implementing the legislation would cost \$221 million over the 2010-2014 period and \$39 million after 2014. Enacting the legislation would not affect direct spending or revenues.

H.R. 3029 contains no intergovernmental or private-sector mandates as defined in the Unfunded Mandates Reform Act (UMRA) and would impose no costs on state, local, or tribal governments.

ESTIMATED COST TO THE FEDERAL GOVERNMENT

The estimated budgetary impact of H.R. 3029 is shown in the following table. The costs of this legislation fall within budget function 250 (general science, space, and technology).

	By Fiscal Year, in Millions of Dollars					2010- 2014
	2010	2011	2012	2013	2014	
CHANGES IN SPENDING SUBJECT TO APPROPRIATION						
Authorization Level	0	65	65	65	65	260
Estimated Outlays	0	36	55	65	65	221

BASIS OF ESTIMATE

For this estimate, CBO assumes the bill will be enacted near the end of fiscal year 2009 and that the authorized amounts will be appropriated each year. Estimated outlays are based on historical spending patterns for DOE research programs.

H.R. 3029 would authorize the appropriation of \$65 million a year over the 2011-2014 period for research, development, and demonstration activities related to gas turbines. The bill would direct DOE to establish a research and development program to improve the efficiency of turbines that use natural gas to generate electricity. The bill also would require DOE to demonstrate the feasibility of implementing new gas turbine technologies.

INTERGOVERNMENTAL AND PRIVATE-SECTOR IMPACT

H.R. 3029 contains no intergovernmental or private-sector mandates as defined in UMRA and would impose no costs on state, local, or tribal governments.

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