HR 2961

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

Congress: 114 (2015–2017, Ended)
Chamber: House
Policy Area: Energy
Introduced: Jul 7, 2015
Current Status: Referred to the Subcommittee on Energy.
Latest Action: Referred to the Subcommittee on Energy. (Aug 18, 2015)
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Sponsor

Name: Rep. Tonko, Paul [D-NY-20]
Party: Democratic • **State:** NY • **Chamber:** House

Cosponsors (1 total)

Cosponsor	Party / State	Role	Date Joined
Rep. McKinley, David B. [R-WV-1]	R · WV		Jul 7, 2015

Committee Activity

Committee	Chamber	Activity	Date
Science, Space, and Technology Committee	House	Referred to	Aug 18, 2015

Subjects & Policy Tags

Policy Area:

Energy

Related Bills

Bill	Relationship	Last Action
114 HR 1806	Related bill	**May 21, 2015:** Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transportation.

Summary (as of Jul 7, 2015)

This bill requires the Department of Energy's (DOE's) Office of Fossil Energy to carry out a research, development, and technology demonstration program to improve the efficiency of gas turbines used in power generation systems and to identify the technologies that will lead to gas turbine combined cycle efficiency of 65% or simple cycle efficiency of 50%.

The program must: (1) support first-of-a-kind engineering and detailed gas turbine design for megawatt-scale and utility-scale electric power generation; (2) include technology demonstration through component testing, subscale testing, and full scale testing in existing fleets; (3) include field demonstrations of the developed technology elements to demonstrate technical and economic feasibility; and (4) assess overall combined cycle and simple cycle system performance.

The goals of the multiphase program must be:

- in phase I, to develop the conceptual design of, and to develop and demonstrate the technology required for, advanced high efficiency gas turbines that can achieve at least 62% combined cycle efficiency or 47% simple cycle efficiency on a lower heating value basis; and
- in phase II, to develop the conceptual design for advanced high efficiency gas turbines that can achieve at least 65% combined cycle efficiency or 50% simple cycle efficiency on a lower heating value basis.

In selecting program proposals, DOE must emphasize the extent to which the proposal will stimulate the creation or increased retention of jobs in the United States and promote and enhance U.S. technology leadership.

Actions Timeline

- **Aug 18, 2015:** Referred to the Subcommittee on Energy.
- **Jul 7, 2015:** Introduced in House
- **Jul 7, 2015:** Referred to the House Committee on Science, Space, and Technology.