

## HR 3029

A bill 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:** 111 (2009–2011, Ended)

**Chamber:** House

**Policy Area:** Energy

**Introduced:** Jun 24, 2009

**Current Status:** Received in the Senate and Read twice and referred to the Committee on Energy and Natural Resources.

**Latest Action:** Received in the Senate and Read twice and referred to the Committee on Energy and Natural Resources.  
(Dec 2, 2009)

**Official Text:** <https://www.congress.gov/bill/111th-congress/house-bill/3029>

### Sponsor

**Name:** Rep. Tonko, Paul [D-NY-21]

**Party:** Democratic • **State:** NY • **Chamber:** House

### Cosponsors (1 total)

Cosponsor	Party / State	Role	Date Joined
Rep. Inglis, Bob [R-SC-4]	R · SC		Jul 20, 2009

### Committee Activity

Committee	Chamber	Activity	Date
Energy and Natural Resources Committee	Senate	Referred To	Dec 2, 2009
Science, Space, and Technology Committee	House	Reported by	Jul 21, 2009

### Subjects & Policy Tags

#### Policy Area:

Energy

### Related Bills

Bill	Relationship	Last Action
111 S 2900	Related bill	Sep 27, 2010: Placed on Senate Legislative Calendar under General Orders. Calendar No. 601.

Directs the Secretary of 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%.

Requires the program to: (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.

Sets forth as program goals: (1) 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 (2) 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.

Directs the Secretary, in selecting program proposals, to emphasize the extent to which the proposal will: (1) stimulate the creation or increased retention of jobs in the United States; and (2) promote and enhance U.S. technology leadership.

Authorizes appropriations.

## **Actions Timeline**

---

- **Dec 2, 2009:** Received in the Senate and Read twice and referred to the Committee on Energy and Natural Resources.
- **Dec 1, 2009:** Reported (Amended) by the Committee on Science and Technology. H. Rept. 111-343.
- **Dec 1, 2009:** Placed on the Union Calendar, Calendar No. 196.
- **Dec 1, 2009:** Mr. Tonko moved to suspend the rules and pass the bill, as amended.
- **Dec 1, 2009:** Considered under suspension of the rules. (consideration: CR H13368-13370)
- **Dec 1, 2009:** DEBATE - The House proceeded with forty minutes of debate on H.R. 3029.
- **Dec 1, 2009:** At the conclusion of debate, the Yeas and Nays were demanded and ordered. Pursuant to the provisions of clause 8, rule XX, the Chair announced that further proceedings on the motion would be postponed.
- **Dec 1, 2009:** Considered as unfinished business. (consideration: CR H13372)
- **Dec 1, 2009:** Passed/agreed to in House: On motion to suspend the rules and pass the bill, as amended Agreed to by the Yeas and Nays: (2/3 required): 266 - 118 (Roll no. 911). (text: CR H13368-13369)
- **Dec 1, 2009:** On motion to suspend the rules and pass the bill, as amended Agreed to by the Yeas and Nays: (2/3 required): 266 - 118 (Roll no. 911). (text: CR H13368-13369)
- **Dec 1, 2009:** Motion to reconsider laid on the table Agreed to without objection.
- **Dec 1, 2009:** The title of the measure was amended. Agreed to without objection.
- **Jul 29, 2009:** Committee Consideration and Mark-up Session Held.
- **Jul 29, 2009:** Ordered to be Reported (Amended) by Voice Vote.
- **Jul 21, 2009:** Subcommittee Consideration and Mark-up Session Held.
- **Jul 21, 2009:** Forwarded by Subcommittee to Full Committee by Voice Vote .
- **Jun 25, 2009:** Referred to the Subcommittee on Energy and Environment.
- **Jun 24, 2009:** Introduced in House
- **Jun 24, 2009:** Referred to the House Committee on Science and Technology.