S 2900

Gas Turbine Efficiency Act of 2009

Congress: 111 (2009–2011, Ended)
Chamber: Senate
Policy Area: Energy
Introduced: Dec 17, 2009
Current Status: Placed on Senate Legislative Calendar under General Orders. Calendar No. 601.
Latest Action: Placed on Senate Legislative Calendar under General Orders. Calendar No. 601. (Sep 27, 2010)
Official Text: https://www.congress.gov/bill/111th-congress/senate-bill/2900

Sponsor

Name: Sen. Gillibrand, Kirsten E. [D-NY]
Party: Democratic • **State:** NY • **Chamber:** Senate

Cosponsors (4 total)

Cosponsor	Party / State	Role	Date Joined
Sen. Hagan, Kay R. [D-NC]	D · NC		Jan 28, 2010
Sen. Nelson, Bill [D-FL]	D · FL		Feb 9, 2010
Sen. Collins, Susan M. [R-ME]	R · ME		May 20, 2010
Sen. Bingaman, Jeff [D-NM]	D · NM		Dec 8, 2010

Committee Activity

Committee	Chamber	Activity	Date
Energy and Natural Resources Committee	Senate	Hearings By (subcommittee)	Jun 15, 2010

Subjects & Policy Tags

Policy Area:

Energy

Related Bills

Bill	Relationship	Last Action
111 HR 3029	Related bill	**Dec 2, 2009:** Received in the Senate and Read twice and referred to the Committee on Energy and Natural Resources.

Summary (as of Sep 27, 2010)

(This measure has not been amended since it was introduced. The summary has been expanded because action occurred on the measure.)

Gas Turbine Efficiency Act of 2009 - 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.

Delineates as the goals of the program: (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. Requires awards of financial assistance to be made on a competitive basis with an emphasis on technical merit.

Authorizes appropriations for FY2011-FY2014.

Actions Timeline

- **Sep 27, 2010:** Committee on Energy and Natural Resources. Reported by Senator Bingaman without amendment. With written report No. 111-315.
- **Sep 27, 2010:** Placed on Senate Legislative Calendar under General Orders. Calendar No. 601.
- **Aug 5, 2010:** Committee on Energy and Natural Resources. Ordered to be reported without amendment favorably.
- **Jun 15, 2010:** Committee on Energy and Natural Resources Subcommittee on Energy. Hearings held. With printed Hearing: S.Hrg. 111-699.
- **Dec 17, 2009:** Introduced in Senate
- **Dec 17, 2009:** Read twice and referred to the Committee on Energy and Natural Resources.