

HR 3598

Energy and Water Research Integration Act

Congress: 111 (2009–2011, Ended)

Chamber: House

Policy Area: Energy

Introduced: Sep 17, 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/3598>

Sponsor

Name: Rep. Gordon, Bart [D-TN-6]

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

Cosponsors (16 total)

| Cosponsor | Party / State | Role | Date Joined |
|---------------------------------------|---------------|------|-------------|
| Rep. Baird, Brian [D-WA-3] | D · WA | | Dec 1, 2009 |
| Rep. Costello, Jerry F. [D-IL-12] | D · IL | | Dec 1, 2009 |
| Rep. Dahlkemper, Kathleen A. [D-PA-3] | D · PA | | Dec 1, 2009 |
| Rep. Giffords, Gabrielle [D-AZ-8] | D · AZ | | Dec 1, 2009 |
| Rep. Hall, Ralph M. [R-TX-4] | R · TX | | Dec 1, 2009 |
| Rep. Heinrich, Martin [D-NM-1] | D · NM | | Dec 1, 2009 |
| Rep. Holt, Rush [D-NJ-12] | D · NJ | | Dec 1, 2009 |
| Rep. Lipinski, Daniel [D-IL-3] | D · IL | | Dec 1, 2009 |
| Rep. Lujan, Ben Ray [D-NM-3] | D · NM | | Dec 1, 2009 |
| Rep. McNerney, Jerry [D-CA-11] | D · CA | | Dec 1, 2009 |
| Rep. Miller, Brad [D-NC-13] | D · NC | | Dec 1, 2009 |
| Rep. Rothman, Steven R. [D-NJ-9] | D · NJ | | Dec 1, 2009 |
| Rep. Titus, Dina [D-NV-3] | D · NV | | Dec 1, 2009 |
| Rep. Tonko, Paul [D-NY-21] | D · NY | | Dec 1, 2009 |
| Rep. Woolsey, Lynn C. [D-CA-6] | D · CA | | Dec 1, 2009 |
| Rep. Wu, David [D-OR-1] | D · OR | | Dec 1, 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 | Sep 30, 2009 |

Subjects & Policy Tags

Policy Area:

Energy

Related Bills

No related bills are listed.

Energy and Water Research Integration Act - (Sec. 2) Directs the Secretary of Energy to identify each of the Department of Energy's (DOE's) energy research, development, and demonstration programs and projects into which it is appropriate to integrate water considerations. Requires the Secretary to: (1) seek to advance energy and energy efficiency technologies and practices that would minimize freshwater withdrawal and consumption, increase water use efficiency, and utilize nontraditional water sources with efforts to improve water quality; and (2) consider the effects climate variability and change may have on water supplies and quality for energy generation and fuel production; and (3) improve understanding of the energy required to provide water supplies and the water required to provide reliable energy supplies throughout the United States.

Requires the Secretary to develop, submit to Congress within nine months, and update every three years a Strategic Plan outlining the research, development, and demonstration needs of such programs and projects. Requires the Secretary to evaluate and establish technical milestones for: (1) new advanced cooling technologies for energy generation and fuel production technologies; (2) performance improvement and cost reductions of cooling technologies; (3) innovative water reuse, recovery, and treatment in energy generation and fuel production; (4) technology development for carbon capture and storage systems that utilize efficient water use design strategies; (5) technologies that are life-cycle cost effective; (6) systems analysis and modeling of issues relating to the energy required to provide water supplies and the water required to provide reliable energy supplies; (7) technologies to treat and utilize produced waters discharged from oil, natural gas, coal-bed methane, and mining activities; (8) advanced materials for the use of nontraditional water sources for energy generation and fuel production; (9) biomass production and utilization and the impact on hydrologic systems; (10) technologies that reduce impacts on water from energy resource development; (11) increases in energy efficiency of water distribution and collection systems; and (12) technologies for energy generation from such systems.

Requires the Secretary to: (1) implement the Strategic Plan in carrying out DOE energy research, development, and demonstration programs; and (2) report to Congress every two years on findings and activities under this Act. Authorizes appropriations.

(Sec. 3) Directs the Secretary to establish an Energy-Water Architecture Council to promote and enable improved energy and water resource data collection, reporting, and technological innovation. Requires the Council to: (1) make recommendations on the development of data collection and communication standards and protocols to entities engaged in collecting data for the energy required to provide water supplies and the water required to provide reliable energy supplies throughout the United States; (2) recommend ways to make improvements to federal water use data to increase understanding of trends in energy generation and fuel production; (3) recommend best practices for utilizing information from monitoring networks to provide nationally uniform water and energy use and infrastructure data; and (4) conduct annual technical workshops to facilitate information exchange among federal, state, and private sector experts on technologies that encourage the conservation and efficient use of water and energy.

(Sec. 4) Provides that nothing in this Act shall be construed to: (1) allow the establishment of regulations by the federal government that would infringe or impair the use of water by state, tribal, or local governments; and (2) require state, tribal, or local governments to take any action that may result in an increased financial burden by restricting their water use.

(Sec. 6) Directs the Secretary to coordinate activities under this Act with other DOE programs and other federal research programs.

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. 111-344.
- **Dec 1, 2009:** Placed on the Union Calendar, Calendar No. 197.
- **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 H13370-13372)
- **Dec 1, 2009:** DEBATE - The House proceeded with forty minutes of debate on H.R. 3598.
- **Dec 1, 2009:** Passed/agreed to in House: On motion to suspend the rules and pass the bill, as amended Agreed to by voice vote.(text: CR H13370-13371)
- **Dec 1, 2009:** On motion to suspend the rules and pass the bill, as amended Agreed to by voice vote. (text: CR H13370-13371)
- **Dec 1, 2009:** Motion to reconsider laid on the table Agreed to without objection.
- **Oct 7, 2009:** Committee Consideration and Mark-up Session Held.
- **Oct 7, 2009:** Ordered to be Reported (Amended) by Voice Vote.
- **Sep 30, 2009:** Subcommittee Consideration and Mark-up Session Held.
- **Sep 30, 2009:** Forwarded by Subcommittee to Full Committee (Amended) by Voice Vote .
- **Sep 18, 2009:** Referred to the Subcommittee on Energy and Environment.
- **Sep 17, 2009:** Introduced in House
- **Sep 17, 2009:** Referred to the House Committee on Science and Technology.