



COMMITTEE ON APPROPRIATIONS

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SUMMARY: 2009 ENERGY AND WATER APPROPRIATIONS CONSOLIDATED APPROPRIATIONS BILL

Bill Total

| | |
|----------------------|-----------------------|
| 2008 Enacted: | \$30.9 billion |
| Bush Request: | \$31.2 billion |
| 2009 Bill: | \$33.3 billion |

KEY INVESTMENTS

DEPARTMENT OF ENERGY: \$27 billion, \$2.5 billion above 2008 to build on efforts in the American Recovery and Reinvestment Package to conserve and produce clean, efficient, American energy, and to improve nuclear security.

Energy Efficiency and Renewable Energy:

- **Solar Energy:** \$175 million for research, development, and demonstration projects to make solar energy more affordable.
- **Biofuels:** \$217 million for grants to improve production of alternative fuels such as cellulosic ethanol and biodiesel.
- **Vehicle Technology:** \$273 million to collaborate with industry to improve fuel efficiency with better batteries and engines that burn clean fuel.
- **Energy Efficient Buildings:** \$140 million to research conservation technologies for buildings and industry to reduce energy demand.
- **Industrial Technologies:** \$90 million to help businesses improve energy efficiency.
- **Water Power:** \$40 million to research new ways of generating power from flowing water.
- **Weatherization Grants:** \$200 million for insulation and energy conservation measures to reduce utility bills for low-income families.
- **Innovative Technology Loan Guarantees:** Extends loan guarantee authority for Innovative Technology, and includes \$18.5 billion in loans for energy efficiency and renewable energy technologies.

Office of Science: \$4.8 billion, \$755 million above 2008, for basic scientific research critical to addressing long-term energy needs. This provides for 2,600 more research personnel, producing highly educated American scientists and engineers whose innovations will drive economic growth.

- **Advanced Energy Research:** \$765 million, \$268 million above 2008, for basic research to tackle major barriers to advancing energy generation and storage such as fusion energy and advanced batteries. This includes \$100 million for 20-30 Energy Frontier Research Centers to perform breakthrough energy research, and \$15 million to establish an Advanced Research Projects Agency – Energy (ARPA-E).
- **New Tools and Facilities for Energy Research:** \$2.2 billion, \$389 million above 2008, for labs and equipment necessary to perform the next generation of advanced energy research.
- **Climate Change Research:** \$178 million, \$41 million above 2008, for climate change research including advanced computer modeling.

Environmental Clean-up: \$6.5 billion, \$301 million above 2008, to clean up contamination from 60 years of nuclear weapons manufacturing and cancelled projects for handling spent nuclear fuel. DOE has outstanding commitments to clean-up 22 sites in 13 states.

Nuclear Nonproliferation: \$1.5 billion, \$146 million above 2008, to protect the American people by reducing the risk that more countries will acquire nuclear weapons and improve our ability to stop nuclear and radiological materials and weapons from being smuggled into the United States.

- **Global Threat Reduction Initiative:** \$395 million, double 2008, to recover nuclear and radioactive materials from sites around the world that could be used as weapons and to secure sites in the U.S. and Russia.

Nuclear Weapons Programs: \$6.4 billion, the same as 2008, for our nation's nuclear weapons.

ARMY CORPS OF ENGINEERS: \$5.4 billion, \$185 million below 2008.

- **Operations and Maintenance:** \$2.2 billion, the same as 2008, to address the over \$1 billion backlog of operations and maintenance needs of navigation infrastructure critical to the U.S. economy.
- **Construction:** \$2.1 billion, \$148 million below 2008, for projects including on-going flood protection efforts.
- **Investigations:** \$168 million, the same as 2008, to plan and design America's next generation of water resource infrastructure.
- **Management Reforms:** Continues management reforms instituted at the Corps of Engineers, including the requirement for five-year development plans to guide budget decisions and limitations on reprogramming and contracting methods.

DEPARTMENT OF THE INTERIOR - Bureau of Reclamation: \$1.1 billion, the same as 2008, for dams, canals, water treatment and conservation, and rural water projects.

- **Title XVI, Water Reclamation and Reuse Program:** \$39 million, \$15 million above 2008, to develop and expand the use of recycled water to increase water supplies - preserving overdrawn river and groundwater supplies, protecting the environment, and improving the overall security and reliability of water supplies.

SIGNIFICANT CUTS

Strategic Petroleum Reserve: \$205 million, rejecting the Bush Administration's proposal to double the size of the Strategic Petroleum Reserve.

Global Nuclear Energy Partnership (GNEP): Zeroed out, the initiative to reprocess spent nuclear fuel as it undermines our nation's nuclear non-proliferation policy.

Reliable Replacement Warhead: Not funded as Congress has not received a plan as to how funds will be used.