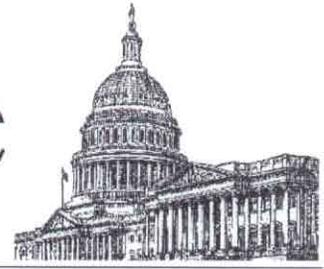


Dan Inouye

U.S. SENATOR FROM HAWAII



ENERGY AND WATER PROJECTS

FISCAL YEAR 2000 THROUGH 2004
ACCOMPLISHMENTS
BREAKDOWN OF PROJECTS BY DISTRICTS
(As of June 1, 2004)

STATEWIDE

Water Resources

Water Resource Studies – \$2.3 million (FY02 and FY04)

Reclamation and Reuse, with Demonstration Program – \$200,000 (FY04)

Study of Water Recycling – \$100,000 (FY04)

Federal, State, and local officials responsible for water resource management in the islands agree that water is Hawaii's most critical resource issue. Language in the bill increases the federal share for studies as authorized under the Water Resources Study, the Hawaii Water Resources Act of 2000 (Public Law 106-566).

Water Delivery Systems Study – \$200,000 (FY01)

The funds were used by the Army Corps of Engineers to conduct reconnaissance studies that will determine the efficiency of water systems developed and previously maintained by sugar cane plantations.

Other Initiatives

Additional initiatives listed below enable the Army Corps of Engineers to continue developing and restoring important water and related resources, maintaining existing navigation channels, reducing flood damage, and protecting wetlands.

Coastal Field Data Collection – \$1.5 million
Project Condition Surveys – \$1.78 million
Inspection of Completed Works – \$1.024 million
Kahuku Investigation (Oahu) – \$200,000
Barbers Point Harbor Modification (Oahu) – \$1.08 million
Honolulu Harbor Improvements (Oahu) – \$225,000
Kawaihae Deep Draft Harbor Modification (Big Island) – \$342,000
Port Allen Harbor (Kauai) – \$90,000
Kahului Harbor Improvements (Maui) – \$125,000
Manele Small Boat Harbor (Lanai) – \$656,000

OAHU

Hawaii Water Management Project – \$1.75 million (Since FY03)

The Army Corps of Engineers is using these funds to implement restoration and improvement projects that were recommended in a recent reconnaissance study of Waihole Ditch, a major irrigation system on Oahu. This important water resource was formerly owned and operated by the now defunct Oahu Sugar Plantation, and was subsequently purchased by the State of Hawaii to ensure continued public use.

Waikiki Beach Erosion Control Project – \$950,000 (Since FY01)

The Army Corps of Engineers uses these funds to continue its environmental studies of erosion control at Oahu's Waikiki Beach. Prior to the late 1800s, Waikiki Beach was a continuous sandy strand. Today, however, significant elements of Waikiki Beach are badly eroded. The loss of this historic and popular beach will cause a decline in Hawaii's tourism revenue.

Ala Wai Canal Investigations – \$775,000

These funds support the continuation of the Army Corps of Engineers' efforts to restore the Ala Wai Canal on Oahu. This two-mile-long, man-made canal has become a collection point for silt and pollutants, resulting in the degradation of water quality.

Wailupe Stream Flood Control Study – \$400,000 (Since FY02)

This appropriation for the Army Corps of Engineers budget continues a project to improve Wailupe Stream on Oahu. The Wailupe Stream passes under a bridge on Kalaniana'ole Highway, and past rain storms show the bridge is inadequate to accept flood waters. This bridge serves approximately 67,000 vehicles daily, and the highway is the only transportation link between East Oahu and downtown Honolulu.

Hawaii Hydrogen Center for Development and Deployment of Distributed Energy Systems – \$3.5 million

This new programmatic center will be managed by the Hawaii Natural Energy Institute at the University of Hawaii at Manoa. It will focus on hydrogen production, renewable energy resource development and infrastructure research and testing.

BIG ISLAND

Natural Energy Laboratory of Hawaii – \$4.5 million

These funds support the continued development and deployment of distributed energy systems. The Natural Energy Laboratory of Hawaii Authority offers a unique platform for applied research, and is ideal to test applications at larger than laboratory scales in a low population, isolated island environment with higher energy costs than the U.S. mainland. A Gateway facility is currently under construction.

Integrated Distributed Generation Applications and Deployment Program in New Mexico and Hawaii – \$ 1 million (FY02)

The goal of this program, which is a joint effort between the Natural Energy Laboratory of Hawaii and New Mexico Tech, is the commercialization of distributed generation technologies. The private-public program accelerates the development, integration, and deployment of these technologies. Hawaii and New Mexico are prime locations for testing because they offer an exceptionally wide range of environmental habitats: a near-shore tropical ocean environment, rain forests, and desert conditions.

Hurricane/Typhoon Evacuation Studies – \$200,000 (FY04)

Funds would be used to further refine an interactive computer spreadsheet program – Mass Management Tool, or MMT – by including topographic maps and developing hazard models that would factor in wind, surge, and rainfall. Hawaii’s location in the middle of the Pacific Ocean makes it very vulnerable to hurricanes and typhoons.

KAUAI

Kikiaola Small Boat Harbor Construction – \$8.69 million

This is an ongoing Army Corps of Engineers project to modify Kikiaola Small Boat Harbor, which was built in 1959 on Kauai by the State of Hawaii, to provide additional wave protection for boats and to prevent shoals from forming. The harbor has a shallow and narrow entrance, and it often experiences overtopping at its east breakwater. These conditions severely limit maximum utilization of the facility.

Nawiliwili Harbor – \$450,000 (Since FY02)

These funds have supported the Army Corps of Engineers for the engineering and design of a construction project to enhance Kauai's Nawiliwili Harbor. The improved harbor will accommodate present and future vessel traffic. The harbor is a transshipment point for interisland general cargo and a port of entry for cruise line vessels. The port was initially designed for 650-foot-long vessels, but the largest cruise liners now measure 965 feet long, and several ships have refused to enter the harbor because of its potentially hazardous conditions.

MAUI COUNTY

Maalaea Harbor Construction – \$2.73 million

The Army Corps of Engineers is working to modify Maui's Maalaea Harbor breakwater to eliminate the harbor's adverse navigation conditions and increase its berthing capacity for commercial craft. The Corps has been coordinating its efforts with numerous public agencies and private groups to address the project's potential impact on nearby surfing spots and coral reef habitats.

Kaumalapau Harbor (Lanai) – \$7.8 million (Since FY01)

These funds allow the Army Corps of Engineers to continue its project to improve Kaumalapau Harbor on Lanai, an island that is extremely dependent on ocean traffic for the delivery of goods and supplies. Presently, rough seas and surge conditions make it extremely dangerous for barge traffic to enter and berth in the harbor. The harbor basin is protected by a rubble mound breakwater that was originally 400 feet long, which has eroded to 200 feet long. The Army Corps of Engineers is constructing a 350-foot long breakwater and deepening the harbor to meet the depth levels required by modern commercial vessels.

Iao Stream Flood Control Project – \$913,000

The Iao Stream Flood Control Project is an ongoing Army Corps of Engineers initiative to build a levee system that prevents the stream from flooding.

Kihei Beach Erosion – \$610,000 (Since FY01)

The Army Corps of Engineers uses these funds to restore Kihei Beach on Maui. In the Kihei area, about 5,500 feet of shoreline are severely eroded. This shoreline was once a well-nourished sandy beach, but parts of the beach have been lost to seawalls and revetments. Currently, many homes, parks, and roads near the beach are at risk of damage during high-wave conditions.