

Kalaeloa Seawater Desalination Facility Project

Borrower: Honolulu Board of Water Supply

Location: Oahu, Hawaii

WIFIA Loan Amount: \$109 million

Total WIFIA Project Costs: \$222 million

Population Served by Project: 172,000 customer accounts

Number of Jobs Created: 710 jobs



Photo Credit: Honolulu Board of Water Supply

PROJECT DESCRIPTION

The Honolulu Board of Water Supply will utilize WIFIA financing for its Kalaeloa Seawater Desalination Facility Project, in which the board will design and build a reverse osmosis seawater desalination plant that produces 1.7 to 2.55 million gallons of water per day. This project also includes the construction of byproduct disposal facilities, a recycled water pipeline, and transmission lines. These improvements will help the board establish an alternate water source and increase supply reliability. With this desalination facility, the board will reduce reliance on groundwater aquifers in central Oahu and prepare for future expansions required to meet the needs of current and future customers.

PROJECT AND FINANCING BENEFITS

- Creates a new drought resistant, high-quality drinking water source that will increase supply reliability during low rainfall periods.
- Implements an innovative technology and reduces groundwater imports from central Oahu aquifers.
- Provides flexibility through a subordinate lien and the ability to defer principal payments during construction, saving the Honolulu Board of Water Supply \$400,000 over the life of the loan.