



LONG BEACH WATER DEPARTMENT  
The Standard in Water Conservation &  
Environmental Stewardship

## **MEDIA RELEASE**

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# **National Seawater Desalination Project Breaking New Ground**

**Long Beach's Under Ocean Floor Intake and Discharge  
Demonstration Facility is First of its Kind in United States**

LONG BEACH, CA - Long Beach is home to the country's largest and most advanced, federally sponsored **seawater desalination research and development project**. Long Beach Water and the United States Department of Interior, Bureau of Reclamation are currently constructing an **Under Ocean Floor** Intake and Discharge Demonstration System, will demonstrate a cost-effective and environmentally responsive alternative to current seawater desalination intake and discharge practices. A similar facility has been constructed and is in successful operation at a seawater desalination facility in **Fukuoka, Japan**.

Essentially, with the Under Ocean Floor Intake System, the ecological impacts of entrainment and impingement typically associated with open ocean intakes are avoided. This natural, biological filtration process reduces organic and suspended solids, largely eliminating the need for additional pretreatment, which reduces the overall energy footprint and cost of operation.

Long Beach and the U.S. Department of Interior, with participation from the University of California Los Angeles and the Los Angeles Department of Water and Power have completed Phase 1 of the Long Beach Desalination Project's **national research itinerary**. Phase 1 research findings will be announced and published next week.

**Under Ocean Floor pictures can be viewed, [HERE](#)**

The Long Beach Water Department is an urban, southern California retail water supply agency and the standard in conservation and environmental stewardship.

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