

DAVID Y. IGE
GOVERNOR OF HAWAII



**STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES**

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

**Testimony of
SUZANNE D. CASE
Chairperson**

**Before the House Committee on
FINANCE**

**Tuesday, March 1, 2016
3:00 PM
State Capitol, Conference Room 308**

**In consideration of
HOUSE BILL 1749
RELATING TO WATER MANAGEMENT**

House Bill 1749 proposes to amend Section 174C-31, Hawaii Revised Statutes, to add “The attainment of one hundred percent utilization of reclaimed water in all state facilities” as an objective of the Hawaii Water Plan. **The Department of Land and Natural Resources (Department) appreciates the intent of this bill to commit to water reuse on a broad scale throughout Hawaii, but notes that one hundred percent utilization may be difficult to attain.**

There are numerous state facilities scattered throughout the islands, ranging from small base yards to schools, harbors, parks, hospitals, prisons, office buildings, etc. Most of the facilities are not proximal to a wastewater reclamation facility or within or near the service areas of existing recycled water distribution systems. In order to achieve this objective, either reclaimed water would have to be trucked in to each facility on a regular basis or separate dual water systems or many new wastewater reclamation facilities would have to be constructed throughout the State, which would be extremely costly. There are also costs associated with operation and maintenance of these systems.

The Department of Health (DOH) has just released its updated Reuse Guidelines (January 2016). The Reuse Guidelines identify areas within the State where recycled water application is conditional and restricted. Conditional Areas are areas where recycled water application is currently allowed, but may, in the future, be subject to monitoring requirements or restrictions. Restricted Areas are areas where recycled water application is prohibited. It is very likely that state facilities are located in Conditional and Restricted Areas.

SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

KEKOA KALUHIWA
FIRST DEPUTY

JEFFREY T. PEARSON, P.E.
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES
BOATING AND OCEAN RECREATION
BUREAU OF CONVEYANCES
COMMISSION ON WATER RESOURCE MANAGEMENT
CONSERVATION AND COASTAL LANDS
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ENGINEERING
FORESTRY AND WILDLIFE
HISTORIC PRESERVATION
KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

The bill should clarify what “one hundred percent utilization” means. Many state facilities have a potable component of water use. Direct potable reuse is not currently practiced in the State of Hawaii. Does the bill intend to include the potable component of water use at state facilities as well? If not, state facilities would be required to be retrofitted with dual water systems, which would also be very costly. An appraisal of opportunities and a feasibility study with cost-benefit analysis should be conducted to provide a better understanding of the human, financial and technological resources that would be needed to meet this objective and the likelihood of success.

The Department’s Commission on Water Resource Management has no authority or jurisdiction over the development and use of reclaimed water and defers to DOH regarding their rules, regulations, standards and guidelines on recycled water use.

We note that Act 229, Session Laws of Hawaii 2015, appropriated funds for the Airports Division of the Department of Transportation to conduct a feasibility study on the use of water scalping technology in state airport facilities and to develop a process design for the processing portion of the implementation of water scalping technology. A similar bill, Senate Bill 2097, has been introduced this session for the Department of Public Safety, Corrections Divisions’ Halawa Correctional Facility. We respectfully recommend that these studies be allowed completed and better information obtained regarding the feasibility of scalping projects before establishing global policies regarding reclaimed water use in state facilities.

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 29, 2016 9:36 AM
To: FINTestimony
Cc: scoleman@surfrider.org
Subject: *Submitted testimony for HB1749 on Mar 1, 2016 15:00PM*

HB1749

Submitted on: 2/29/2016

Testimony for FIN on Mar 1, 2016 15:00PM in Conference Room 308

Submitted By	Organization	Testifier Position	Present at Hearing
Stuart Coleman	Surfrider Foundation	Support	Yes

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 27, 2016 11:55 PM
To: FINTestimony
Cc: amybrinker@mac.com
Subject: *Submitted testimony for HB1749 on Mar 1, 2016 15:00PM*

HB1749

Submitted on: 2/27/2016

Testimony for FIN on Mar 1, 2016 15:00PM in Conference Room 308

Submitted By	Organization	Testifier Position	Present at Hearing
Amy Brinker	Individual	Support	No

Comments:

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LATE

KIRK CALDWELL
MAYOR



ROBERT J. KRONING, P.E.
DIRECTOR

MARK YONAMINE, P.E.
DEPUTY DIRECTOR

February 29, 2016

The Honorable Sylvia Luke, Chair
and Members
House Committee on Finance
State Capitol, Room 306
415 South Beretania Street
Honolulu, Hawaii 96813

Dear Chair Luke and Members:

SUBJECT: House Bill No. 1749, Relating to Water Management

The Department of Design and Construction (DDC) respectfully provides the following comments on House Bill No. 1749, which amends the goals of the Hawaii water plan to include the one hundred per cent utilization of reclaimed water in all State and county facilities.

DDC supports the maximum practical use of reclaimed water, which is the apparent intent of the bill. However, the use of reclaimed water to achieve such a goal at any cost and without full consideration of the efficiency of water supply systems would be potentially detrimental to efficient provision of public water infrastructure. The bill, as written leaves too many questions unanswered, including the following:

- Would the requirement to use 100 percent reclaimed water apply to county facilities?
- How is reclaimed water to be made available to all state (and county) locations that use water?
- What is the intended use of the reclaimed water? Department of Health regulations restrict reclaimed water use to specific uses under specific conditions to protect public health.

Based on the above considerations, DDC considers House Bill No. 1749 to be overly broad and vague and has serious concerns that the bill might result in impractical and unintended consequences.

The Honorable Sylvia Luke, Chair
and Members
February 29, 2016
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Thank you for the opportunity to testify.

Very truly yours,

A handwritten signature in black ink, appearing to read "R. J. Kroning".

Robert J. Kroning, P.E.
Director

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 01, 2016 11:21 AM
To: FINTestimony
Cc: rustonu@gmail.com
Subject: *Submitted testimony for HB1749 on Mar 1, 2016 15:00PM*

HB1749

Submitted on: 3/1/2016

Testimony for FIN on Mar 1, 2016 15:00PM in Conference Room 308

Submitted By	Organization	Testifier Position	Present at Hearing
Ruston Utu	Individual	Support	No

Comments:

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