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GOVERNOR OF HAWAII



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

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HONOLULU, HAWAII 96809

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KAHOOLAWE ISLAND RESERVE COMMISSION
LAND
STATE PARKS

**Testimony of
WILLIAM J. AILA, JR.
Chairperson**

**Before the Senate Committee on
WATER & LAND**

**Thursday, January 31, 2013
1:15 PM
State Capitol, Conference Room 225**

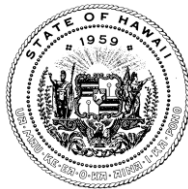
**In consideration of
SENATE BILL 803
RELATING TO WATER**

The purpose of Senate Bill 803 is to establish a one-year irrigation water conservation best management practices pilot program within the Department of Accounting and General Services, Department of Transportation, and Department of Land and Natural Resources (Department). The Department supports this measure since it would help preserve Hawai'i's precious fresh water resources, demonstrate government's leadership by example, and reduce these agencies' water bills.

The landscape irrigation conservation best management practices (BMPs) established by the Landscape Industry Council of Hawaii were developed in close consultation with landscape professionals across the state and are recognized nationally as industry standards (e.g., Irrigation Association, United States Department of Energy). These BMPs are categorized into installation and maintenance practices. The agency cost of implementing installation BMPs in new and renovation projects is not expected to increase significantly over existing practices. Agencies implementing maintenance BMPs should not experience any meaningful increase in operation and maintenance expenses.

In order to facilitate this pilot program, the Department would like to see education and training for agency landscape maintenance staff by the Landscape Industry Council of Hawaii (or other qualified organizations) on the BMPs proposed under this measure. The Department also notes that other state agencies use significant amounts of water for landscape irrigation, notably the Department of Education and the University of Hawaii system, and would also benefit financially by implementing these BMPs and reducing their water bills.

Thank you for the opportunity to testify on this measure.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

IN REPLY REFER TO:

January 31, 2013

S.B. 803
RELATING TO WATER

Senate Committee on Water and Land

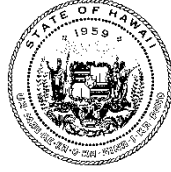
The Department of Transportation (DOT) **supports** the use of irrigation water conservation best management practices on state roads and highways, and supports this bill, which encourages conserving irrigation water.

The DOT incorporated these water conservation best management practices in the DOT Manual of Sustainable Highway Maintenance published in 2011. In addition, the DOT Statewide Sustainable Landscape Master plan will include these water conservation best management practices to be completed in the fall of 2013.

However, our concern is that the reporting requirement will require additional time and resource allocation to report on a practice we are already carrying out.

Thank you for the opportunity to provide testimony.





STATE OF HAWAII
DEPARTMENT OF ACCOUNTING
AND GENERAL SERVICES
P.O. BOX 119
HONOLULU, HAWAII 96810-0119

TESTIMONY
OF
DEAN H. SEKI, COMPTROLLER
DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES
TO THE
SENATE COMMITTEE
ON
WATER AND LAND
ON
January 31, 2013

S.B. 803

RELATING TO WATER

Chair Solomon and members of the Committee, thank you for the opportunity to testify on S.B. 803.

The Department of Accounting and General Services (DAGS) supports the intent of S.B. 803 and offers the following comments.

DAGS has installed a weather based irrigation control system for ten downtown state office buildings that use evapotranspiration, weather data and local sensors to determine watering patterns for optimal plant health. The system also is equipped with valve malfunction programming and water sub-metering. Sewer deduct meters are also installed for wastewater credits to our water bill. In design and construction of new buildings, LEED criteria for xeriscaping, water retention, pervious pavement and weather based irrigation systems are utilized to the extent budgetary needs allow. Our maintenance program cuts grass and edges in the

downtown area about every seven to ten working days with areas outside of the capitol district on a thirty day cycle.

To develop a status report for the State Legislature prior to the 2015 legislative session which would review, evaluate, and compile assessments on the “cost effectiveness” of implementing an irrigation water conservation plan for DAGS managed projects that is based on “best management practices” developed by the Landscape Industry Council of Hawaii would involve increased funding currently not available in our budget.

Thank you for the opportunity to testify on this matter.

BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU
630 SOUTH BERETANIA STREET
HONOLULU, HI 96843



January 31, 2013

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Deputy Manager and Chief Engineer *EEL*

The Honorable Malama Solomon, Chair
and Members
Committee on Water and Land
State Senate
Hawaii State Capitol
415 South Beretania Street
Honolulu, Hawaii 96813

Dear Chair Solomon and Members:

Subject: Senate Bill No. 803 - Relating to Water

Thank you for the opportunity to provide testimony on Senate Bill No. 803, relating to the Landscape Industry Council of Hawaii's (LICH) Irrigation Water Conservation Best Management Practices (BMPs).

The Board of Water Supply, City and County of Honolulu, strongly supports Senate Bill No. 803 which establishes a one-year pilot irrigation program to conserve outdoor water use on the landscape through the LICH BMPs.

It is estimated that an average family household uses 50 percent of their total water consumption for outdoor purposes and the Environmental Protection Agency estimates an average of 50 percent of outdoor water use is for irrigation. Through the proper installation, maintenance and operations of irrigation systems, we can reduce the overall water use around the island. Adopting and implementing the LICH BMPs will help to preserve our precious groundwater supplies and forested watersheds for our future generations.

Thank you for your consideration of our testimony on Senate Bill No. 803.

Very truly yours,

ERNEST Y. W. LAU, P.E.
Manager and Chief Engineer

From: mailinglist@capitol.hawaii.gov
To: [WTLTestimony](#)
Cc: CHRIS.DACUS@GMAIL.COM
Subject: Submitted testimony for SB803 on Jan 31, 2013 13:15PM
Date: Monday, January 28, 2013 1:38:30 PM
Attachments: [SB803_LICH_testimony_20130128.pdf](#)

SB803

Submitted on: 1/28/2013

Testimony for WTL on Jan 31, 2013 13:15PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
CHRIS DACUS	LANDSCAPE INDUSTRY COUNCIL OF HAWAII	Support	No

Comments: We suggest one amendment extending the duration of the bill from one year to three years to allow state construction projects to incorporate the Irrigation Water Conservation Best Management Practices.

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
To: [WTLTestimony](#)
Cc: aaron@royalpalmgroup.net
Subject: Submitted testimony for SB803 on Jan 31, 2013 13:15PM
Date: Monday, January 28, 2013 4:29:40 PM

SB803

Submitted on: 1/28/2013

Testimony for WTL on Jan 31, 2013 13:15PM in Conference Room 225

Submitted By	Organization	Testifier Position	Present at Hearing
Aaron Agsalda	Individual	Support	Yes

Comments: Our government must do everything it can to preserve one of our most valuable resources. As a landscape contractor, I have seen that it wouldn't be too hard to lessen the amount of wasted water in this industry. Senate Bill 803 promotes the adoption of sensible practices to save water and also optimize plant health, which results in a more beautiful landscape. I am in support of beauty and efficiency. I am in support of SB803.

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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January 28, 2013

Subject: SUPPORT FOR SENATE BILL N.O. 803

Honourable Chair and Members of the Committee.

As the only EPA WaterSense Partner who specializes in Landscape and Turf Irrigation in Hawaii, I fully support Senate Bill 803 Relating to Water by encouraging the use of water conservation best management practices by large public water users.

Landscape irrigation uses upwards of fifty percent or more of our domestic water. A poorly maintained or installed irrigation system can waste up to fifty percent of that water due to inefficient irrigation practices, poor components, evaporation and runoff.

Maintaining and installing water efficient irrigation systems is one of the most effective ways to reduce wasted drinking water, reduce run-off, reduce stormwater sediments and optimize plant health by applying the correct amount of water.

The recommendations provided by the Landscape Industry Council of Hawaii Best Management Practices and as outlined in this Bill have been proven reduce water usage outside the home by 30 to 50% using low or no cost methods of controlling the irrigation system. The LICH Irrigation Conservation BMPs can be found online at: [www.landscapehawaii.org/ library/documents/lich_irrigation_conservation_bmps.pdf](http://www.landscapehawaii.org/library/documents/lich_irrigation_conservation_bmps.pdf)

Senate Bill 803 encourages large public water users to adopt these common sense Best Management Practices in order to improve the efficiency through these low-cost and no-cost practical measures.

Thank you for the opportunity to testify.


Allan G. Schildknecht, ASLA-CID
IRRIGATION HAWAII, LTD.
Certified Irrigation Designer #34038

