



GOV. MSG. NO. 1338

EXECUTIVE CHAMBERS
HONOLULU

DAVID Y. IGE
GOVERNOR

July 13, 2015

The Honorable Ronald D. Kouchi,
President
and Members of the Senate
Twenty-Eighth State Legislature
State Capitol, Room 409
Honolulu, Hawai'i 96813

The Honorable Joseph M. Souki,
Speaker and Members of the
House of Representatives
Twenty-Eighth State Legislature
State Capitol, Room 431
Honolulu, Hawai'i 96813

Dear President Kouchi, Speaker Souki, and Members of the Legislature:

This is to inform you that on July 13, 2015, the following bill was signed into law:

HB1394 HD2 SD2 CD1

RELATING TO WATER RECLAMATION
ACT 229 (15)

Sincerely,

DAVID Y. IGE
Governor, State of Hawai'i

Approved by the Governor

on JUL 13 2015

HOUSE OF REPRESENTATIVES
TWENTY-EIGHTH LEGISLATURE, 2015
STATE OF HAWAII

ORIGINAL

ACT 229

H.B. NO. 1394
H.D. 2
S.D. 2
C.D. 1

A BILL FOR AN ACT

RELATING TO WATER RECLAMATION.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The legislature finds that as an island state,
 2 Hawaii has limited access to natural fresh water supplies. Amid
 3 increasing population and development, sustainable access to
 4 fresh water is key to the State's future and new and innovative
 5 options for water conservation must be explored.

6 The process of water scalping involves the extraction of
 7 valuable, usable water from a sewerage network. By treating
 8 this extracted water to achieve varying degrees of water safety
 9 and quality, otherwise unused and wasted water may be reclaimed
 10 and put to beneficial uses, such as outdoor irrigation of golf
 11 courses, parks, and landscaped areas, and various other potable,
 12 non-potable, and indirect-potable uses. This decentralized
 13 method of water treatment and conservation has already been
 14 successfully implemented in several Australian cities and is
 15 being explored as an option in several areas of the United
 16 States, including California, Arizona, and Washington.

17 The purpose of this Act is to explore the sustainability
 18 and conservation potential of water scalping in Hawaii by



1 conducting a feasibility study on the use of water scalping
2 technology in state airport facilities and, if funds are
3 available, developing a process design for the processing
4 portion of the implementation of water scalping technology.

5 SECTION 2. (a) The airports division of the department of
6 transportation shall conduct a feasibility study on the use of
7 water scalping technology in state airport facilities and, if
8 funds are available, may develop a process design for the
9 processing portion of the implementation of water scalping
10 technology.

11 (b) The feasibility study shall include an analysis of the
12 following:

13 (1) Potential benefit to the State from the development of
14 water scalping technology;

15 (2) Compatibility of water scalping technology with
16 existing state airport facility infrastructure;

17 (3) Cost projections to:

18 (A) Upgrade existing airport facilities to
19 incorporate water scalping technology; and



1 (B) Incorporate water scalping technology in any new
2 construction plans for state airport facilities;
3 and

4 (4) Potential incentives for private industry to utilize
5 water scalping technology in a way that benefits the
6 State.

7 (c) The airports division of the department of
8 transportation shall submit to the legislature, no later than
9 twenty days prior to the convening of the regular session of
10 2016, a report on its findings and recommendations. The report
11 shall include recommendations on:

12 (1) Specific airport facilities or areas where water
13 scalping technology should be deployed;

14 (2) The net benefit, given cost considerations, of
15 mandating the use of water scalping technology in
16 state airport facilities;

17 (3) Cost estimates and practicability for the deployment
18 of water scalping throughout the State, including
19 public acceptance of the technology; and



1 (4) If practicable, process design for the processing
2 portion of the implementation of water scalping
3 technology.

4 SECTION 3. The airports division of the department of
5 transportation shall apply for a Federal Aviation Administration
6 grant to fund the implementation of a water scalping technology
7 pilot project.

8 SECTION 4. Of the amount appropriated out of the airport
9 special fund for airports administration (TRN195), as provided
10 for in the General Appropriations Act of 2015 (House Bill No.
11 500, H.D. 1, S.D. 1, C.D. 1) for expenditure, there is
12 appropriated the sum of \$8,600,000 or so much thereof as may be
13 necessary for fiscal year 2015-2016 for the airports division of
14 the department of transportation to conduct a feasibility study
15 on the use of water scalping technology in state airport
16 facilities and, if funds are available, develop a process design
17 for the processing portion of the implementation of water
18 scalping technology; provided that:

19 (1) If Federal Aviation Administration funds are
20 available, the department of transportation may expend
21 these federal funds for this purpose; and



1 (2) If Federal Aviation Administration funds are not
2 available for the purpose of this feasibility study,
3 the department of transportation may expend up to the
4 amount of airport special fund moneys appropriated in
5 this section for this purpose.

6 The sum appropriated may be expended by the department of
7 transportation for the purposes of this Act.

8 SECTION 5. This Act shall take effect on July 1, 2015

APPROVED this 13 day of JUL , 2015



GOVERNOR OF THE STATE OF HAWAII

