
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 is able to be
10 reclaimed and put to beneficial uses, such as outdoor irrigation
11 of golf courses, parks, and landscaped areas, and various other
12 potable, non-potable, and indirect-potable uses. This
13 decentralized method of water treatment and conservation has
14 already been successfully implemented in several Australian
15 cities and is being explored as an option in several areas of
16 the United States, including California, Arizona, and
17 Washington.



1 The purpose of this Act is to explore the sustainability
2 and conservation potential of water scalping in Hawaii by
3 conducting a feasibility study on the use of water scalping
4 technology in state facilities.

5 SECTION 2. (a) The department of accounting and general
6 services shall conduct a feasibility study on the use of water
7 scalping technology in state facilities. In conducting this
8 feasibility study, the department of accounting and general
9 services shall coordinate with the department of health and
10 agencies from each county with jurisdiction over wastewater
11 management.

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

14 (1) Potential benefit to the State from the widespread
15 adoption of water scalping technology;

16 (2) Compatibility of water scalping technology with
17 existing state infrastructure;

18 (3) Cost projections to:

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



- 1 (B) Incorporate water scalping technology in new
2 construction plans for state facilities; and
- 3 (4) Incentives for private industry to utilize water
4 scalping technology in a way that benefits the State.
- 5 (c) The department of accounting and general services
6 shall submit to the legislature, no later than November 30,
7 2016, a report on its findings and recommendations. Included in
8 this report shall be recommendations on:
- 9 (1) Specific facilities or areas where water scalping
10 technology should be deployed;
- 11 (2) The net benefit, given cost considerations, of
12 mandating the use of water scalping technology in
13 state facilities; and
- 14 (3) Cost and practicability for the widespread deployment
15 of water scalping throughout the State, including
16 public acceptance of the technology.
- 17 SECTION 3. This Act shall take effect on July 1, 2015.



Report Title:

Water Scalping; Feasibility Study

Description:

Establishes a water scalping feasibility study. (HB1394 HD1)

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