
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 facilities.

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

9 (b) The feasibility study shall include an analysis of the
10 following:

11 (1) Potential benefit to the State from the widespread
12 development of water scalping technology;

13 (2) Compatibility of water scalping technology with
14 existing state infrastructure;

15 (3) Cost projections to:

16 (A) Upgrade existing facilities to incorporate water
17 scalping technology; and

18 (B) Incorporate water scalping technology in new
19 construction plans for state facilities; and

20 (4) Incentives for private industry to utilize water
21 scalping technology in a way that benefits the State.



1 (c) The department of transportation shall submit to the
2 legislature, no later than November 30, 2016, a report on its
3 findings and recommendations. This report shall include
4 recommendations on:

5 (1) Specific facilities or areas where water scalping
6 technology should be deployed;

7 (2) The net benefit, given cost considerations, of
8 mandating the use of water scalping technology in
9 state facilities; and

10 (3) Cost and practicability for the widespread deployment
11 of water scalping throughout the State, including
12 public acceptance of the technology.

13 SECTION 3. This Act shall take effect on July 1, 2015.



Report Title:

Water Scalping; Feasibility Study

Description:

Requires DOT to conduct a water scalping feasibility study.
(SD1)

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