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# 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.



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 transportation shall  
6 conduct a feasibility study on the use of water scalping  
7 technology in state facilities. In conducting this feasibility  
8 study, the department of transportation shall coordinate with  
9 the department of health and agencies with jurisdiction over  
10 wastewater management in each county.

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

- 13           (1) Potential benefit to the State from the widespread  
14 development of water scalping technology;
- 15           (2) Compatibility of water scalping technology with  
16 existing state infrastructure;
- 17           (3) Cost projections to:
- 18               (A) Upgrade existing facilities to incorporate water  
19 scalping technology; and
- 20               (B) Incorporate water scalping technology in new  
21 construction plans for state facilities; and



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

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

7           (1) Specific facilities or areas where water scalping  
8           technology should be deployed;

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

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

15           SECTION 3. This Act shall take effect on July 1, 2030.



**Report Title:**

Water Scalping; Feasibility Study

**Description:**

Establishes a water scalping feasibility study. (HB1394 HD2)

*The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.*

