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## A BILL FOR AN ACT

AUTHORIZING THE ISSUANCE OF GENERAL OBLIGATION BONDS AND MAKING AN APPROPRIATION FOR WAILUĀ EMERGENCY BYPASS ROAD REPAIR AND RESURFACING, AND WAIMEA WASTEWATER TREATMENT PLANT UPGRADES FOR THE COUNTY OF KAUA'I.

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

1 SECTION 1. The director of finance is authorized to issue  
2 general obligation bonds in the sum of \$ or so much  
3 thereof as may be necessary, and the same sum or so much thereof  
4 as may be necessary is appropriated for fiscal year 2009-2010,  
5 for the capital improvement projects in the county of Kaua'i  
6 listed in section 2 of this Act.

7 SECTION 2. The following sums, or so much thereof as shall  
8 be sufficient to finance the projects listed in this Act, are  
9 hereby appropriated out of the general revenues of the State of  
10 Hawai'i for fiscal year 2009-2010:

11 FY 2009-2010

12 A. WAILUA EMERGENCY BYPASS ROAD REPAIR \$  
13 AND RESURFACING (Plan preparation and  
14 construction)

15 The emergency bypass road is used when the state highway  
16 (Kuhi'o Highway) is impassable between Wailua and Lihu'e. Kuhi'o

1 Highway is the only highway between the largest population  
2 center on the island (the Kawaihau District) and the county  
3 seat, Lihu'e. The Wailua emergency bypass road is a portion of  
4 the former cane haul road system, running from the Wailua River  
5 to Hanama'ulu, over land owned by Visionary, LLC and the  
6 department of Hawaiian home lands. The county initiated  
7 negotiations with the property owners to use the road when Kuhi'o  
8 Highway is closed as a result of traffic accidents, and has  
9 maintained the road at its own cost since about 2004. However,  
10 the road must be upgraded to accommodate long-term use. Since  
11 the State has no immediate plans to widen Kuhi'o Highway or  
12 create alternate routes, there is an urgent need to make further  
13 improvements to the emergency bypass road so the largest  
14 population center on Kaua'i is not cut off from the county seat  
15 and the airport when Kuhi'o Highway is closed. Resurfacing a  
16 twelve-foot wide road for one-lane and one-way traffic is  
17 necessary to address the deteriorated road surface and pavement  
18 structural failures and washouts. In addition, the request  
19 includes funds for safety improvements, such as guardrails,  
20 signage, and delineators, as well as consultant services for the  
21 preparation of plans and specifications.

1 B. WAIMEA WASTEWATER TREATMENT PLANT §  
2 UPGRADES

3 The Waimea wastewater treatment plant is an existing  
4 facility that serves the community of Waimea, Kaua'i, Hawaii.  
5 The Waimea wastewater treatment plant was originally constructed  
6 in the 1970s and has a capacity of three hundred thousand  
7 gallons per day, average daily flow. Presently, the plant is  
8 operating at approximately ninety per cent of its capacity, and  
9 the county is restricting new sewer service connections in the  
10 community due to the lack of available Waimea wastewater  
11 treatment plant capacity.

12 Because the plant is operating near capacity, the county  
13 has proceeded with the planning and preliminary engineering for  
14 expansion. The first step was preparation of a "facilities  
15 plan." The facilities plan identifies a near-term need to  
16 double the existing capacity of the plant. The phase I project  
17 will therefore incorporate expansion to a capacity of  
18 approximately seven hundred thousand gallons per day, along with  
19 providing improvements to the plant's solids-handling  
20 facilities, upgrading the effluent to meet "R-1" standards for  
21 effluent re-use, and other improvements to modernize and improve  
22 plant reliability and efficiency. Preliminary engineering for

1 the expansion is underway, including the preparation of the  
2 environmental assessment. The draft environmental assessment  
3 was published in August 2008.

4 Expansion of the Waimea wastewater treatment plant will be  
5 completed within the existing facility's property, and is  
6 anticipated to include modification of the existing activated  
7 sludge treatment process to incorporate use of alternate  
8 treatment processes such as membrane or bioreactor design. The  
9 expansion will also upgrade the effluent water quality using  
10 ultraviolet disinfection to produce R-1 effluent to allow for  
11 enhanced opportunity for effluent reuse. The R-1 effluent will  
12 be suitable for a broader range of re-use opportunities,  
13 allowing it to be viewed as a water resource for the community.

14 The phase I expansion will be designed to provide an  
15 average daily wastewater treatment capacity of approximately  
16 seven hundred thousand gallons per day. The capacity required  
17 is based on the population projection, including moderate  
18 additional development of property near Waimea, consistent with  
19 growth as anticipated in the county's general plan.

20 At present, the county is limiting new connections to the  
21 county sewer system to one dwelling unit per existing lot of  
22 record through the building permit process. This limitation is

1 a constraint on development of subdivisions or new housing in  
2 the community, at a time when there is significant island-wide  
3 lack of affordable housing.

4 The county will also examine incorporating energy  
5 efficiency alternatives into this project such as constructed  
6 wetlands to create a more energy efficient facility in an effort  
7 to become less dependent on fossil fuel.

8 The county requests support from the State for this project  
9 to include alternative energy initiatives; however, cost  
10 estimates were not included in the project cost.

11 SECTION 3. The appropriations made for the capital  
12 improvement projects authorized by this Act shall not lapse at  
13 the end of the fiscal biennium for which the appropriations are  
14 made; provided that all moneys from the appropriations  
15 unencumbered as of June 30, 2012, shall lapse as of that date.

16 SECTION 4. The sums appropriated shall be expended by the  
17 department of public works, county of Kaua'i for the purposes of  
18 this Act.

19 SECTION 5. This Act shall take effect on July 1, 2020.

**Report Title:**

General Obligation Bonds; Kaua'i Capital Improvement Projects

**Description:**

Appropriates \$                      in general obligation bonds to the county of Kaua'i for improvements to the Wailua emergency bypass road and the Waimea wastewater treatment plant. (SD1)