



1 accommodate continued evening use of outdoor county recreational  
2 facilities on Kauai, which are utilized by all the high schools  
3 and community leagues for their sports events, which includes  
4 but is not limited to, football, soccer, track, and cross  
5 country. Currently, compliance efforts have been made in  
6 partnership between the county and the State to reschedule  
7 sporting events to be held during the daylight hours if  
8 possible, to minimize the harm to the two species of endangered  
9 and threatened seabirds that are attracted to the ball field  
10 lighting. This multi phase project is estimated to cost  
11 \$2,420,000 of which fifty per cent is requested to be funded by  
12 the State for the following ball fields:

- 13 (1) Vidinha Stadium Football Field - \$700,000 for  
14 construction;
- 15 (2) Hanapepe Stadium \$640,000 for design/construction;
- 16 (3) Isenberg Park - \$530,000 for design/construction;
- 17 (4) Peter Rayno Park - \$330,000 for design/construction;
- 18 (5) Lihue County Park - \$220,000 for design/construction.

19 The vast majority of the department of education's sports  
20 activities on Kauai are held at these county facilities.



1 B. HABITAT CONSERVATION PLAN \$200,000

2 The county is seeking state assistance to help in the  
3 planning efforts to comply with state environmental protection  
4 law in funding fifty per cent of a habitat conservation plan for  
5 the county of Kauai pursuant to Hawaii Revised Statutes, and the  
6 federal Endangered Species Act. This plan would also formulate  
7 a program to manage measures and minimize a taking of the  
8 Newell's Shearwater birds and to some degree other protected  
9 birds. It is estimated that seventy per cent of the world's  
10 population of Newell's Shearwater birds nest on Kauai, which has  
11 concerned the United States Fish and Wildlife Services and the  
12 department of land and natural resources as it relates to the  
13 bird population. The federal and state laws mandate that the  
14 counties participate in a habitat conservation plan in an effort  
15 to perpetuate these species.

16 C. WAILUA WASTEWATER TREATMENT PLANT UPGRADES \$1,050,000

17 The Wailua wastewater treatment plant serves the coastal  
18 area of Wailua and Kapaa which is the largest populated area on  
19 the island of Kauai. The Wailua wastewater treatment plant was  
20 originally developed in the 1960's and has undergone several  
21 expansions which currently has a permitted capacity of one  
22 million five hundred thousand gallons per day. However, due to



1 its age and the harsh environmental conditions of the Wailua  
2 wastewater treatment plant, the actual treatment capacity has  
3 been reduced to one million gallons per day, according to the  
4 county's facility plan consultant study presently underway.  
5 Additionally, due to age and a lack of standby equipment, the  
6 plant has reliability concerns with processing current  
7 wastewater flows of approximately seven hundred thousand gallons  
8 per day. Numerous upgrades are necessary in the near term to  
9 improve reliability and restore treatment capacity to allow the  
10 Wailua wastewater treatment plant to reliably serve existing  
11 customers and to allow new connections for proposed development  
12 including affordable housing projects in the community. Near  
13 term improvements needed are estimated to require approximately  
14 \$14,000,000 in funding to be allocated between several projects.  
15 These include electrical services (presently 208 volt) upgrades  
16 combined with replacement of aging process and electrical  
17 components, such as the emergency generator, solids handling  
18 equipment (centrifuge), and blowers and obsolete control  
19 equipment, with total costs estimated at \$3,800,000. In  
20 addition, the county is committed to converting the disinfection  
21 system from the current use of chlorine gas to an ultraviolet  
22 disinfection system to improve water quality and safety



1 (\$2,100,000). Upgrades in the biological treatment processes  
2 are necessary to restore plant capacity (approximately  
3 \$8,000,000), and these upgrades will involve adoption of new  
4 wastewater treatment processes, such as membrane systems that  
5 will also significantly improve the effluent water quality. The  
6 approximately \$2,100,000 needed to upgrade the disinfection  
7 system to ultraviolet disinfection is a very important near term  
8 project. This will replace the current reliance on chlorine  
9 gas, which will improve community safety. At the same time, the  
10 improved disinfection from the ultraviolet system is an  
11 important component needed for upgrading the plant to produce R-  
12 1 quality effluent, which is the highest quality recognized for  
13 effluent reuse. In the past three years, the county has  
14 invested over \$600,000 in planning and engineering studies for  
15 this facility and approximately \$4,000,000 in construction for  
16 improvements of the Wailua wastewater treatment plant. Funding  
17 for the near term needed improvements has not been fully  
18 identified. Unfortunately, the county's usual source of funds  
19 for wastewater projects, the department of health's state  
20 revolving fund loan program, has committed most of their funds  
21 for the next few years to the city and county of Honolulu.  
22 Kauai county is currently conducting a wastewater rate study to



1 address future wastewater funding needs, however, the financial  
2 needs will be difficult to fund from Kauai rate payers in the  
3 near future. Any assistance possible from the State will be  
4 significant in helping the county in its efforts to provide  
5 essential wastewater services to benefit out communities and  
6 improve the environment.

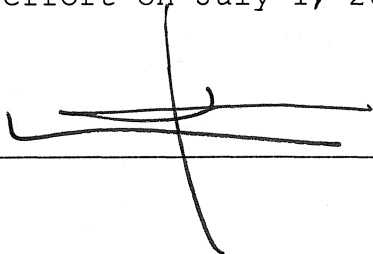
7 SECTION 3. The sums appropriated for the respective  
8 capital projects set forth in section 2 of this Act shall be  
9 expended by the county of Kauai for the purposes of this Act.

10 SECTION 4. The appropriation made for the capital  
11 improvement project authorized by this Act shall not lapse at  
12 the end of the fiscal biennium for which the appropriation is  
13 made; provided that all moneys from the appropriation  
14 unencumbered as of June 30, 2010, shall lapse as of that date.

15 SECTION 5. This Act shall take effect on July 1, 2008.

16

INTRODUCED BY:

  
\_\_\_\_\_ B/R



**Report Title:**

General Obligation Bonds; Kauai Capital Improvement Projects

**Description:**

Appropriates \$2,460,000 for CIP projects on Kauai for ball field and recreational facility light system retrofit, habitat conservation plan, and Wailua wastewater treatment plant upgrades.

