

Loan Application for the Clean Water State Revolving Fund Program
(Revised 8/2018)

A completed application must be submitted for each proposed project. If any information requested in the application was previously submitted for a prior loan or grant project, please indicate the project number in the space provided. Provide supporting documentation of additional pages as appropriate.

I. Organizational Data

Applicant Name: COUNTY OF HAWAII
Address: 108 RAILROAD AVENUE
HILO, HAWAII 96720

Contact Person: Dora Beck, P.E., Wastewater Division Chief
Telephone Number: 808-961-8513

II. Project Name and Description

Project Name: Pāhala Wastewater Collection System (No. C150090-08)

Description: In conjunction with the Pāhala Large Capacity Cesspool Conversion (No. C150090-05), this project is for phased connection of the existing, aged and sub-standard gravity wastewater collection system previously owned by C. Brewer, which is primarily located in backyard easements, to the site of the planned wastewater treatment plant and closure of two (2) existing large capacity cesspools (LCCs) currently operated and maintained by the County; followed by its' replacement with a new gravity wastewater collection system primarily located within County and State rights of way. The new wastewater collection system will meet current, applicable industry standards and comply with USEPA requirements. About 12,150 lineal feet of corrosion-resistant polyvinyl chloride (PVC) gravity sewer main, ranging from 8 to 16-inch diameters, are included in both phases of the project. Six (6) inch diameter sewer service laterals will be extended from the new mains to the property lines of adjacent lots. Existing sewer service laterals on private properties will be replaced or connected to serviced buildings and the new laterals at the property lines, depending on condition. This will result in a new wastewater collection system that has future capacity to serve the rest of the community, based on current development or zoning (applying current wastewater system design standards, C&C Honolulu, July 2017). Properties with existing services flowing to the County operated and maintained LCCs will be connected to the new wastewater collection system and all other properties located along impacted roadways and easements will become accessible for connection by the property owners (a total of about 177 lots for both phases of this project).

Population to be served by project: 2700 equivalent (at C&C Standard 70 gallons per capita per day average wastewater flow, but including industrial lots assuming 800 gallons per acre per day)

State Senate District: 3

State House District: 5

III. Project Need and Environmental Benefits

A. Need for Project:

The Pāhala Community is currently served by a combination of LCCs and Individual Sewage Disposal Systems (ISDS), with a County Sewer System previously owned and operated by C. Brewer. LCCs, which are regulated as underground injection control wells (UICWs), can release disease-causing pathogens and other pollutants (such as nitrates) directly into groundwater and, eventually, the ocean. The new, applicable industry standard, wastewater collection system will help eliminate ground contamination arising from aging pipes prone to sewage exfiltration. The County, as the current operator of two existing Class V UICWs located in the community, is under a USEPA AOC to close them and replace and expand the existing wastewater collection system by December 16, 2021. To minimize energy consumption, the design will incorporate energy efficient pumps where individual sewage pump stations are necessary to connect existing sewer services to the new wastewater collection system at acceptable depths, or to avoid existing lava tubes to the extent practical.

- B. Projected useful life of the Project: 30 years
Note: Based on the Federal Water Pollution Control Act (FWPCA) Section 603 (d) (1) (A) and (b), the loan terms cannot exceed the lesser of 30 years and the projected useful life of the project.

C. Project Environmental Benefits:

1. This project will contribute to water quality by:
 Improving it Maintaining it N/A
 2. This project will allow the facility/system to:
 Achieve compliance Maintain compliance N/A
 3. This project involves a facility/system that discharges to a waterbody that is:
 Meeting standards Impaired Threatened
 Not Assessed N/A
 4. This project will allow the facility/system to:
 Protect public health Restore public health N/A
 5. This project will allow the facility/system to prevent wastewater spills to the:
 Ground Surface Waters N/A
 6. This project involves other environmental benefits noted below:
The proposed, new wastewater collection system assists the State of Hawaii and owners of ISDS, including cesspools, with their closure by making a public sewer system accessible to a larger service area.
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IV. Project Costs

Attach the engineer's estimate of total project costs, if it differs from the estimate submitted with the planning and design documents.

Estimated Total Project Cost: \$16,500,000.00
SRF Loan Requested: \$15,000,000.00

Source and Amount of all other revenue:
Source of other Revenue: Amount:
County General Obligation Bonds \$1,500,000
\$

V. Project Schedule Dates (based on REV 20, 90 day statutory SHPD review period for HRS 343/Section 106)

	Date:
Advertise for construction bids	<u>Collection System Phase 1: 10/12/2020, Phase 2: 5/4/2022</u>
Open construction bids	<u>Collection System Phase 1: 1/8/2021, Phase 2: 8/1/2022</u>
Negotiate A/E agreement(s)	<u>5/14/2019 Collection System Ph. 1 & 2 Design</u>
Award construction and/or A/E contracts	<u>Ph. 1: 1/8/2021 CM, 2/9/2021 Construction</u> <u>Ph. 2: 8/2/2022 CM, 9/1/2022 Construction</u>
Issue Notice to Proceed	<u>Ph. 1: 4/9/2021, Ph. 2 10/28/2022</u>
Complete construction	<u>Phase 1: 6/3/2022, Phase 2: 5/27/2024</u>

VI. Related Projects

List all related sewer project which must be constructed in order to fully utilize the subject project. Also, list the anticipated dates these projects will be constructed.

Title of Related Project(s):	Estimated Construction Date:
<u>C150090-05 Pāhala Large Capacity Cesspool Conversion</u>	<u>4/12/2021 – 4/30/2022</u>
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VII. Required Documents and Forms

Notes: Documents MUST be completed and submitted to DOH before the execution of the final agreement.

If completed, attach the documents listed below:

- A. A resolution or ordinance passed by the County Council which authorizes the SRF loan application and identifies the dedicated source(s) of revenue (e.g. general obligation bonds) which will fund the project and repayment of the loan with interest.
- B. Any inter-governmental or County-private agreements relative to this project.

VIII. Assurances

The applicant certifies that the County of Hawai'i :
(name of legal entity)

1. Has the legal, institutional, managerial, and financial capability to ensure adequate construction, and operation and maintenance (including replacement) of the wastewater treatment works, and has analyzed the local share of the costs of the proposed wastewater treatment facilities, including the financial impact on each community and the residents of the service areas; and,
2. Will operate and maintain the publicly-owned treatment works in accordance with the minimum standards as required by the cognizant Federal, State, and local agencies for the operation and maintenance of such facilities; and/or in accordance with any applicable National Pollutant Discharge Elimination System (NPDES) permit; and,
3. Will initiate procurement action for A/E and/or construction services for building all significant elements of the project in accordance with the project schedule indicated in this application and approved by DOH upon issuance of the loan agreement; and,
4. Will diligently pursue project completion in accordance with the project schedule submitted herewith; and
5. Will give the State of Hawaii or its assignees, through any authorized representative, access and the right to examine all records, books, papers, or documents related to the loan; and will retain all construction records for three years following the project initiation of operation; and,
6. Will maintain a financial accounting system in accordance with the generally accepted accounting principles set forth by the Governmental Accounting Standards Board; and,
7. Will not dispose of, modify the use of, or change the real property title terms or other interest in the site and facilities without permission and instructions from DOH; and,
8. Will establish safeguards to prohibit employees from using their positions for purposes that constitute or give the appearance of personal or organizational conflict of interest; and,
9. Has not and will not violate any Federal, State, or local law pertaining to fraud, bribery, graft, or collusion; and,
10. Will provide and maintain competent and adequate engineering supervision and inspection at the construction sites to ensure that the completed work conforms with the approved plans and specifications and will furnish progress reports and such other information as DOH may require; and,
11. Will comply with all applicable federal and state requirements, including all other laws, regulations, policies, applicable requirements, and conditions relating to assistance for this project.
12. The applicant must certify that it will comply with the following federal "cross-cutting" authorities, as applicable, including the Single Audit of 1984 (PL 98-502).
 - a. Environmental Authorities
 1. Archeological and Historic Preservation Act of 1974, 16 USC § 469a-1
 2. Bald and Golden Eagle Protection Act, 16 USC §§ 668-668c

3. Clean Air Act, 42 USC § 7506(c)
 4. Coastal Barrier Resources Act 16 USC §§ 3501-3510
 5. Coastal Zone Management Act of 1972, 16 USC §§ 1451-1464
 6. Endangered Species Act 16 USC §§ 1531-1543
 7. Environmental Justice, Executive Order 12898
 8. Farmland Protection Policy Act, 7 USC §§ 4201-4209
 9. Fish and Wildlife Coordination Act, 16 USC §§ 661-664
 10. Floodplain Management, Executive Order 11988 as amended by Executive Orders 12148 and 13690
 11. Magnuson-Stevens Fishery Conservation and Management Act, 16 USC §§ 1801 et seq.
 12. Marine Mammal Protection Act, 16 USC §§ 1361 et seq.
 13. Migratory Bird Treaty Act, 16 USC §§ 1361 et seq.
 14. National Historic Preservation Act of 1966, 54 USC §§ 300101 et seq.
 15. Protection of Wetlands, Executive Order 11990, as amended by Executive Order 12608
 16. Rivers and Harbors Act, 33 USC § 403
 17. Safe Drinking Water Act, 42 USC §§ 300f-300j-9
 18. Wild and Scenic Rivers Act, 16 USC §§ 1271 et seq.
- b. Economic Policy Authorities
1. Administration of the Clean Air Act and the Water Pollution Control Act with Respect to Federal Contract or Loans, Executive Order 11738
 2. Demonstration Cities and Metropolitan Development Act of 1966, Pub. L. 89-754, as amended by 42 USC § 3331
 3. Procurement Prohibitions, Executive Order 11738. Section 306 of the Clean Air Act
 4. Procurement Prohibitions, Section 508 of the Clean Water Act
 5. American Iron and Steel, Section 608 of the Clean Water Act
- c. Social Policy Authorities
1. Age Discrimination Act of 1975, 42 USC 6102
 2. Civil Rights Act of 1964, Title VI, 42 USC 2000d

3. Equal Employment Opportunity, Executive Order 11246, as amended
4. Minority Business Enterprise Development, Executive Order 12432
5. National Program for Minority Business Enterprise, Executive Order 11625
6. National Women's Business Enterprise Policy and National Program for Women's Business Enterprise, Executive Order 12138
7. Rehabilitation Act of 1973, 29 USC 794
8. Section 13 of the Federal Water Pollution Control Act Amendments of 1972, 33 USC 1251
9. Small Business Administration Reauthorization and Amendment Act of 1988, Pub. L. 100-590, Section 129
10. Department of Veterans Affairs and Housing and Urban Development, and Agencies Appropriations Act, 1993, Pub. L. 102-389
11. Disadvantaged Business Enterprise Rule, 2008, 40 CFR Part 33
12. Davis Bacon Act, Title 29, Part 5, CFR
- d. Miscellaneous Authorities
 1. Debarment and Suspension, Executive Order 12549
 2. Uniform Relocation and Real Property Acquisition Policies Act, Pub. L. 91-646 (1971) as amended by 42 USC 4601-4655
 3. Preservation of Open Competition and Government Neutrality Towards Contractor's Labor Relations on Federal and Federally Funded Construction Projects, Executive Order 13202 (2001), as amended by Executive Order 13208 (2001)
13. As required by FWPCA section 603 (d) (1) (E), the Applicant certifies that if has developed and is implementing a Fiscal Sustainability Plan (FSP) that includes the following:
 - a. An inventory of critical assets that are a part of the treatment works;
 - b. An evaluation of the condition and performance of inventoried assets or asset grouping;
 - c. A certification that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan; and
 - d. A plan for maintaining, repairing, and, as necessary, replacing the treatment works and a plan for funding such activities.
14. As required by FWPCA section 603 (b) (13), the applicant certifies the following:

- a. Has studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under this title; and
 - b. Has selected, to the maximum extent practicable, a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account:
 - 1. The cost of constructing the project or activity;
 - 2. The cost of operating and maintaining the project or activity over the life of the project or activity; and
 - 3. The cost of replacing the project or activity.
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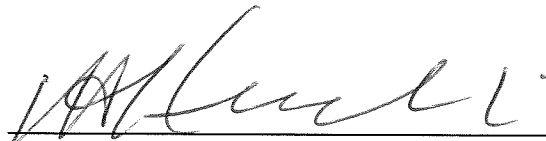
Certification

Note: This certification includes Items 12, 13, and 14 and all of its subparts.

To the best of my knowledge, the data in this application is true and correct, the document has been duly authorized by the governing body of the applicant, and the applicant will comply with the assurances, if the assistance is approved.

Legal Entity: County of Hawaii

Name and Title of Authorized Representative: William Kucharski, Director, Department of Environmental Management



Signature of Authorized Representative



Date