

County of Hawai'i
PROJECT DATA/FINANCIAL IMPACT STATEMENT
Fiscal Year 2021 - 2022

1. DEPARTMENT AND DIVISION: Department of Environmental Management - Wastewater Division		2. DATE: 4/23/2021							
3. PROJECT NAME: DEM - Pāhala Wastewater System		4. SUBMITTER: E. Takamura							
5. COUNCIL BENEFIT DISTRICT(S): 6		6. TMK/CDP PLANNING AREA: 9 - 5 / Ka'ū							
7. LOCATION (COUNCIL DISTRICT): 6		8. TOTAL COUNTY FUNDS NEEDED THIS FY:							
9. PROJECT ELIGIBILITY, ✓ all that apply:		10. PROJECT URGENCY/NEED, ✓ one:							
<input type="checkbox"/> Land acquisition <input type="checkbox"/> Nonrecurring rehabilitation		<input checked="" type="checkbox"/> Infrastructure improvement <input checked="" type="checkbox"/> Planning, feasibility, eng., or design study							
		<input checked="" type="checkbox"/> New bldg., structure, or addition <input type="checkbox"/> Information/communication tech.							
11. PROJECT/PROGRAM DESCRIPTION:		<input checked="" type="checkbox"/> High <input type="checkbox"/> Med. <input type="checkbox"/> Low							
New treatment and disposal facility to replace C. Brewer plantation LCC sewer system including closure of two (2) Large Capacity Cesspools which are currently owned by the County of Hawaii.									
12. PROJECT JUSTIFICATION & OUTCOME(S), select and/or answer all that apply:									
A. Addresses public health/safety, ✓ if Yes: <input checked="" type="checkbox"/> <i>Community concerns exists around conditions.</i>		D. Repair/maintenance/replacement of facility/infrastructure/building, ✓ if Yes: <input checked="" type="checkbox"/> <i>Necessary repair/maintenance/replacement.</i>							
B. Service improvements, ✓ all that apply:		E. New facility/infr./bldg., ✓ if Yes: <input checked="" type="checkbox"/> <i>Needed to continue current level of services.</i>							
<input type="checkbox"/> Access to <input checked="" type="checkbox"/> Quality of <input type="checkbox"/> Quantity of <input type="checkbox"/> Enhances/Protects Culture <input type="checkbox"/> Promotes Economic Vitality		<input checked="" type="checkbox"/> Preserves/Protects Env. <input type="checkbox"/> Enhances Education and Arts <input type="checkbox"/> Enhances/Protects Culture <input type="checkbox"/> Promotes Economic Vitality							
C. Enhances environment and/or quality of life, ✓ all that apply:		F. Operational efficiency and leveraging opportunities:							
		Results in net increase in operating cost but improves services. N/A							
Additional info:									
13. LONG RANGE PLANS/ COMMUNITY VALUES, ✓ all that apply and provide details:									
<input checked="" type="checkbox"/> Dept. Priority Allows closure of existing LCC's in conformance with EPA AOC requirements <input type="checkbox"/> General Plan <input type="checkbox"/> CDP <input type="checkbox"/> Other Plans		<input type="checkbox"/> Comm. Value <input type="checkbox"/> Admin Priority <input type="checkbox"/> Multi Hazard <input type="checkbox"/> Mitigation Plan							
Additional info:									
14. CTY. MATCHING FUNDS REQ'D? ✓ if Yes: <input checked="" type="checkbox"/> DESCRIBE: Federal EPA grant requires 45% match.									
15. LEGAL MANDATE? ✓ if Yes: <input checked="" type="checkbox"/> DESCRIBE: Allows compliance with EPA mandate for LCC closure per AOC SDWA-UIC-AOC-2017-0002									
16. SUSTAINABILITY FOCUS, ✓ all that apply:									
Provide additional information as appropriate:		<input type="checkbox"/> Manages growth <input type="checkbox"/> Enhances education, culture, arts <input checked="" type="checkbox"/> Strengthens and sustains our community <input checked="" type="checkbox"/> Promotes health and safety							
		<input checked="" type="checkbox"/> Preserves/protects our natural/cultural env. <input type="checkbox"/> Fosters inter-departmental collaboration							
Additional info:									
17. PROJECT READINESS, ✓ all that apply:									
<input checked="" type="checkbox"/> Project currently underway <input type="checkbox"/> Identified operating budget needs		<input checked="" type="checkbox"/> Previously Appropriated <input type="checkbox"/> Can realistically encumber funds							
		<input checked="" type="checkbox"/> Staff available to manage project <input type="checkbox"/> External funds/resources ready to proceed							
		List phases already completed:							
Additional info:									
18. EXPENDITURE PHASING (x \$1000):									
	Prior Funds Allotted (not lapsed)	This FY 21-22 Request	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	Beyond 6 Years	TOTAL:
Planning									
Land Acquisition	250								\$250
Design/Survey	6,333								\$6,333
Construction	1,842	5,500	10,000						\$17,342
TOTAL:	\$8,425	\$5,500	\$10,000						\$23,925
19. O & M COSTS (x \$1000):									
20. FUNDING SOURCE (x \$1000):									
Cty G.O. Bond/Other	2,394								\$2,394
State Revolving Fund	4,189	5,500	10,000						\$19,689
State CIP									
Federal	1,842								\$1,842
Private (Grants)									
CBA (Fair Share, Park Dedication, etc.)									
Hazard Mitigation Grant									
TOTAL:	\$8,425	\$5,500	\$10,000						\$23,925

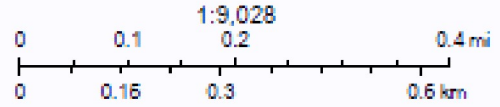
County of Hawai'i - DEM - Wastewater Division



December 29, 2020

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|---|-----------------------------------|-------------------------------------|---|
| Caution | Gravity, County of Hawaii (WWD) | Gravity, County of Hawaii (not WWD) | County of Hawaii (WWD) |
| Parcels | Force, County of Hawaii (WWD) | Gravity, State | County of Hawaii (not WWD) |
| Other Roads | Outfall, County of Hawaii (WWD) | Force, Private | Military |
| Major Roads | Siphon, County of Hawaii (WWD) | Force, County of Hawaii (not WWD) | Private |
| Mains | Treatment, County of Hawaii (WWD) | Force, State | State |
| Active Old Sewer System, County of Hawaii (WWD) | Gravity, Private | Chimney | County of Hawaii (WWD), Old System Junction Box |
| Gravity, Dedication Pending | | Dedication Pending | County of Hawaii (WWD), Plain |
| | | | County of Hawaii (WWD), Pressure |

Na'alehu Wastewater System



Esri, HERE, Garmin, NGA, USGS, Doug Geohring - Hawaii County

County of Hawaii
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County of Hawai'i
PROJECT DATA/FINANCIAL IMPACT STATEMENT
Fiscal Year 2021 - 2022

1. DEPARTMENT AND DIVISION: Department of Environmental Management - Wastewater Division		2. DATE: 4/1/2021							
3. PROJECT NAME: DEM - Nā'ālehu Wastewater System (re-appropriation)		4. SUBMITTER: E. Takamura							
5. COUNCIL BENEFIT DISTRICT(S): 6		6. TMK/CDP PLANNING AREA: 3-9-5 / Ka'u							
7. LOCATION (COUNCIL DISTRICT): 6		8. TOTAL COUNTY FUNDS NEEDED THIS FY: \$10,200,000							
9. PROJECT ELIGIBILITY, ✓ all that apply:		10. PROJECT URGENCY/NEED, ✓ one:							
<input type="checkbox"/> Land acquisition <input type="checkbox"/> Nonrecurring rehabilitation		<input checked="" type="checkbox"/> Infrastructure improvement <input checked="" type="checkbox"/> Planning, feasibility, eng., or design study							
		<input checked="" type="checkbox"/> New bldg, structure, or addition <input type="checkbox"/> Information/communication tech.							
11. PROJECT/PROGRAM DESCRIPTION:		<input checked="" type="checkbox"/> High <input type="checkbox"/> Med. <input type="checkbox"/> Low							
New wastewater collection, treatment, and effluent disposal system to replace C. Brewer plantation sewer system including closure of three (3) existing Large Capacity Cesspools which are all currently owned by the County of Hawaii.									
12. PROJECT JUSTIFICATION & OUTCOME(S), select and/or answer all that apply:									
A. Addresses public health/safety, ✓ if Yes: <input checked="" type="checkbox"/> Community concerns exists around conditions.		D. Repair/maintenance/replacement of facility/infrastructure/building, ✓ if Yes: <input checked="" type="checkbox"/> Necessary repair/maintenance/replacement.							
B. Service improvements, ✓ all that apply: <input type="checkbox"/> Access to <input checked="" type="checkbox"/> Quality of <input type="checkbox"/> Quantity of		E. New facility/infr./bldg., ✓ if Yes: <input checked="" type="checkbox"/> Needed to continue current level of services.							
C. Enhances environment and/or quality of life, ✓ all that apply: <input checked="" type="checkbox"/> Preserves/Protects Env. <input type="checkbox"/> Enhances Education and Arts <input type="checkbox"/> Enhances/Protects Culture <input type="checkbox"/> Promotes Economic Vitality		F. Operational efficiency and leveraging opportunities: Results in net increase in operating cost but improves services. Has no reduction of construction costs.							
Additional info:									
13. LONG RANGE PLANS/ COMMUNITY VALUES, ✓ all that apply and provide details:									
<input checked="" type="checkbox"/> Dept. Priority Compliance with EPA's LCC AOC		<input type="checkbox"/> Comm. Value							
<input type="checkbox"/> General Plan		<input type="checkbox"/> Admin Priority							
<input type="checkbox"/> CDP		<input type="checkbox"/> Multi Hazard							
<input type="checkbox"/> Other Plans		<input type="checkbox"/> Mitigation Plan							
Additional info:									
14. CTY. MATCHING FUNDS REQ'D? ✓ if Yes: <input type="checkbox"/> DESCRIBE:									
15. LEGAL MANDATE? ✓ if Yes: <input checked="" type="checkbox"/> DESCRIBE: Allows compliance with EPA mandate for closure of their Large Capacity Cesspools per AOC SDWA-UIC-AOC-2017-0002									
16. SUSTAINABILITY FOCUS, ✓ all that apply:									
Provide additional information as appropriate:		<input type="checkbox"/> Manages growth <input type="checkbox"/> Enhances education, culture, arts <input checked="" type="checkbox"/> Strengthens and sustains our community <input checked="" type="checkbox"/> Promotes health and safety							
		<input checked="" type="checkbox"/> Preserves/protects our natural/cultural env. <input type="checkbox"/> Fosters inter-departmental collaboration							
Additional info:									
17. PROJECT READINESS, ✓ all that apply:									
<input checked="" type="checkbox"/> Project currently underway		<input checked="" type="checkbox"/> Previously Appropriated							
<input type="checkbox"/> Identified operating budget needs		<input type="checkbox"/> Can realistically encumber funds							
		<input checked="" type="checkbox"/> Staff available to manage project <input type="checkbox"/> External funds/resources ready to proceed List phases already completed: Preliminary Engineering Report							
Additional info:									
18. EXPENDITURE PHASING (x \$1000):									
	Prior Funds Allotted (not lapsed)	This FY 21-22 Request	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	Beyond 6 Years	TOTAL:
Planning		2,500							\$2,500
Land Acquisition		1,200							\$1,200
Design/Survey	7,403	6,500							\$13,903
Construction			51,000	12,000					\$63,000
TOTAL:	\$7,403	\$10,200	\$51,000	\$12,000					\$80,603
19. O & M COSTS (x \$1000):									
20. FUNDING SOURCE (x \$1000):									
Cty G.O. Bond/Other	803	10,200	5,100	1,200					\$17,303
State Revolving Fund	6,600		45,900	10,800					\$63,300
State CIP									
Federal									
Private (Grants)									
CBA (Fair Share, Park Dedication, etc)									
Hazard Mitigation Grant									
TOTAL:	\$7,403	\$10,200	\$51,000	\$12,000					\$80,603

TMK	Market Value	Tax Assessment		No flow - 0 gpd
1	396005036	\$408,600	\$336,100 Industrial	
		\$543,000	\$255,000 Agricultural	
2	396014001	\$118,000	\$94,500	\$295,300
3	396014002	\$124,600	\$124,600	\$270,500
4	396014003	\$131,400	\$71,100	\$238,000
5	396014004	\$109,000	\$72,100	\$232,100
6	396014005	\$130,700	\$130,700	\$228,800
7	396014006	\$76,500	\$76,500	\$220,500
8	396014007	\$102,500	\$102,500	\$218,900
9	396014008	\$131,900	\$88,500	\$209,600
10	396014009	\$141,700	\$87,400	\$204,800
11	396014010	\$158,400	\$120,000	\$194,800
12	396014011	\$99,600	\$72,400	\$187,000
13	396014012	\$117,200	\$65,800	\$185,400
14	396014013	\$127,100	\$127,100	\$184,800
15	396014014	\$117,500	\$80,300	\$183,400
16	396014017	\$187,000	\$92,100	\$183,100
17	396014018	\$132,700	\$132,700	\$182,500
18	396014019	\$111,400	\$73,400	\$179,000
19	396014020	\$116,000	\$82,200	\$171,200
20	396014021	\$122,900	\$122,900	\$167,400
21	396014022	\$113,400	\$74,900	\$167,000
22	396014023	\$130,900	\$130,900	\$165,600
23	396014024	\$33,100	\$33,100	\$160,200
24	396014025	\$87,200	\$87,200	\$159,400
25	396014026	\$112,300	\$63,100	\$158,400
26	396014027	\$126,700	\$126,700	\$158,400
27	396014028	\$103,000	\$72,900	\$158,400
28	396014029	\$122,900	\$69,000	\$158,200
29	396014030	\$100,000	\$100,000	\$157,400
30	396014031	\$105,500	\$105,500	\$155,400
31	396014032	\$115,400	\$91,500	\$155,100

32	396014033	\$126,200	\$126,200		\$152,800
33	396014034	\$138,200	\$102,600		\$151,600
34	396014035	\$122,400	\$122,400		\$150,100
35	396014036	\$124,700	\$124,700		\$149,900
36	396014037	\$134,600	\$97,500		\$149,700
37	396014038	\$34,200	\$34,200		\$149,600
38	396014039	\$148,700	\$86,200		\$148,700
39	396014040	\$135,600	\$97,600		\$147,600
40	396014041	\$158,200	\$158,200		\$145,100
41	396014042	\$127,500	\$127,500		\$141,700
42	396014043	\$129,200	\$74,200		\$138,200
43	396014044	\$64,200	\$64,200		\$137,300
44	396014045	\$45,800	\$45,800		\$135,600
45	396014046	\$109,000	\$109,000		\$134,600
46	396014047	\$147,600	\$80,000		\$133,800
47	396014048	\$238,000	\$238,000		\$133,500
48	396014049	\$165,600	\$87,200		\$132,700
49	396014050	\$270,500	\$210,200		\$132,100
50	396014051	\$137,300	\$137,300		\$131,900
51	396014052	\$151,600	\$151,600		\$131,900
52	396014053	\$209,600	\$108,800		\$131,400
53	396014054	\$158,400	\$122,300		\$131,300
54	396014055	\$155,100	\$84,600		\$130,900
55	396014056	\$150,100	\$150,100		\$130,700
56	396014057	\$218,900	\$212,000	MEAN \$13	\$130,600
57	396015001	\$128,300	\$68,200		\$129,300
58	396015006	\$183,400	\$97,000		\$129,200
59	396015007	\$74,500	\$74,500		\$128,300
60	396015008	\$185,400	\$105,400		\$127,500
61	396015009	\$152,800	\$152,800		\$127,300
62	396015016	\$133,800	\$104,800		\$127,100
63	396015017	\$155,400	\$117,600		\$126,700
64	396015018	\$182,500	\$182,500		\$126,200
65	396015019	\$171,200	\$171,200		\$125,400

66	396015020	\$184,800	\$184,800	\$124,700
67	396015021	\$167,400	\$138,900	\$124,600
68	396015022	\$149,700	\$81,500	\$123,500
69	396015023	\$120,900	\$86,300	\$122,900
70	396015024	\$131,300	\$131,300	\$122,900
71	396015025	\$133,500	\$130,500	\$122,500
72	396015026	\$157,400	\$125,100	\$122,400
73	396015027	\$149,900	\$93,300	\$122,300
74	396015028	\$160,200	\$180,200	\$121,400
75	396015033	\$158,400	\$158,400	\$120,900
76	396016036	\$179,000	\$179,000	\$119,500
77	396016039	\$183,100	\$93,900	\$118,000
78	396016040	\$220,500	\$220,500	\$117,500
79	396016041	\$232,100	\$119,900	\$117,500
80	396016042	\$66,700	\$66,700	\$117,200
81	396016043	\$159,400	\$140,000	\$116,000
82	396016044	\$129,300	\$129,300	\$115,400
83	396016045	\$204,800	\$204,800	\$113,400
84	396016046	\$131,900	\$131,900	\$113,300
85	396020001	\$123,500	\$123,500	\$112,300
86	396020002	\$122,500	\$89,900	\$111,400
87	396020003	\$102,600	\$102,600	\$110,500
88	396020004	\$119,500	\$75,400	\$109,000
89	396020005	\$61,200	\$61,200	\$109,000
90	396020006	\$91,200	\$91,200	\$106,700
91	396020007	\$104,100	\$104,100	\$105,500
92	396020008	\$42,600	\$42,600	\$104,100
93	396020009	\$84,300	\$62,100	\$104,100
94	396020010	\$145,100	\$145,100	\$103,000
95	396020011	\$228,800	\$228,800	\$102,600
96	396020012	\$33,900	\$33,900	\$102,500
97	396020013	\$132,100	\$132,100	\$100,000
98	396020014	\$194,800	\$146,100	\$99,600
99	396020015	\$127,300	\$122,600	\$91,200

100	396020016	\$295,300	\$229,400	\$87,200
101	396020017	\$106,700	\$106,700	\$84,300
102	396020018	\$125,400	\$125,400	\$76,500
103	396020019	\$104,100	\$104,100	\$74,500
104	396020020	\$113,300	\$113,300	\$66,700
105	396020021	\$122,300	\$69,000	\$64,200
106	396020022	\$110,500	\$110,500	\$61,200
107	396020023	\$117,500	\$77,000	\$45,800
108	396020024	\$42,500	\$42,500	\$42,600
109	396020025	\$121,400	\$69,500	\$42,500
110	396020026	\$149,600	\$79,300	\$34,200
111	396020027	\$130,600	\$96,200	\$33,900
112	396020028	\$167,000	\$167,000	\$33,100
			AVERAGE \$	\$14,915,000