

Budget, Finance, and Economic Development Committee on 2022-04-18 9:00 AM

Meeting Time: 04-18-22 09:00

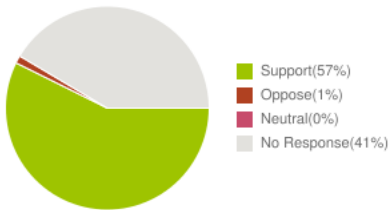
eComments Report

Meetings	Meeting Time	Agenda Items	Comments	Support	Oppose	Neutral
Budget, Finance, and Economic Development Committee on 2022-04-18 9:00 AM	04-18-22 09:00	3	82	47	1	0

Sentiments for All Meetings

The following graphs display sentiments for comments that have location data. Only locations of users who have commented will be shown.

Overall Sentiment



Budget, Finance, and Economic Development Committee on 2022-04-18 9:00 AM

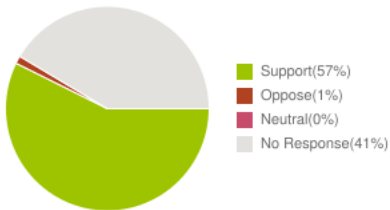
04-18-22 09:00

Agenda Name	Comments	Support	Oppose	Neutral
A G E N D A	12	9	1	0
BFED-1 Reso 22-80 PROPOSED FISCAL YEAR 2023 BUDGET FOR THE COUNTY OF MAUI (BFED-1)	70	38	0	0

Sentiments for All Agenda Items

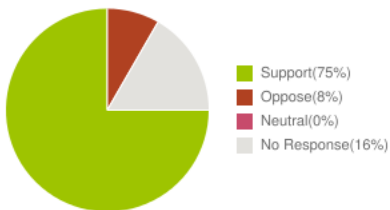
The following graphs display sentiments for comments that have location data. Only locations of users who have commented will be shown.

Overall Sentiment



Agenda Item: eComments for A G E N D A

Overall Sentiment



Carol Daum

Location:

Submitted At: 11:03am 04-18-22

Aloha Council Members,

I am concerned with the budget item for the Proposed Maalaea Regional Wastewater system. I do not feel odor has been discussed or addressed -at all- or budgeted for with an activated sludge system for odor control. R-1 recycled water has a smell. Odor pollution is a threat to human health and welfare. I am concerned we may be moving forward by trading one set of problems for another. There was a Brown and Caldwell feasibility study showing a regional system would cost 23 million in Maalaea, and it did not address odor. 9.5 million is not a reasonable number and would not be feasible. As a long time, taxpayer and condominium board member in Maalaea I cannot support this at this time. The neighborhood would be located downwind from the facility. We definitely have a need for a regional wastewater system, but is this the right one? Have you visited a facility with above ground R-1 water overflow ponds and irrigation to address odors?

Travis Liggett

Location:

Submitted At: 9:41pm 04-17-22

Aloha Council Members,

I am writing to encourage you to make a moderate FY2023 investment in a Preliminary Engineering Report (PER) design study, to be performed by the Department of Environmental Management, to obtain a solid cost estimate for the installation of ultraviolet light disinfection of injected wastewater from the Kahului municipal Wastewater Reclamation Facility.

While a large multi-million dollar amendment to install UV in Kahului may not be feasible for the FY2023 budget, it seems that a more feasible FY2023 investment would be to commission DEM to develop a PER to gain an understanding of the actual cost to install UV for the Kahului injection well discharges.

A recent FOIA response from DEM stated that such a PER would be the next step toward realizing UV disinfection of injection well discharges in Kahului.

100% municipal wastewater disinfection in Maui, coupled with a new Ma'alaea Regional Wastewater Reclamation System, will make for long-overdue, huge strides toward solving injection well challenges.

Learn more about Maui Island wastewater disposal methods at:
FlushAware.com

Mahalo for your hard work!

Travis Liggett
President, Reef Power LLC
info@reefpowermaui.com
(808) 757-5984

reefpowermaui.com
[Instagram.com/reefpowermaui](https://www.instagram.com/reefpowermaui)

flushaware.com
[Instagram.com/flushaware](https://www.instagram.com/flushaware)

Guest User

Location:

Submitted At: 5:31pm 04-16-22

Aloha Committee Members,

We are long time tax payers in Maui and are impressed with the information Peter Canon supplied you about the history of Maalaea from a family that was there in the early 1970's. There are many reasons to be in support of the request to include \$9.5 million of funding for a new Ma'alaea Regional Wastewater Reclamation Facility in the 2023 budget, and support for Kelly King's proposed amendment. Many other commenters have supplied reasons. We won't repeat.

Thank you for your service,
Cynthia and James Richardson

Guest User

Location:

Submitted At: 12:01pm 04-16-22

Aloha Committee Members,

We are long time residents and strong supporters of funding \$9.5 million for a new Maalaea Regional Wastewater Reclamation Facility in the 2023 budget! We realize the importance of ridding our community of injection wells and also realize the benefits afforded to our coastal and marine ecosystems with the necessary upgrades.

We respectfully request that you approve this funding. It is the right thing to do for our community, our economy,

our waters and our Valley Isle!

Our Best & Mahalo ~ Ralph Overton & Nancy Leis Overton

Guest User

Location:

Submitted At: 7:37pm 04-14-22

Hi,

I am also submitting testimony on behalf of MEDB and could not figure how to submit an ecomment on the correct meeting date.

Dear Mayor Victorino and Maui County Council Members,

My name is Janelle Tamayose and I am a parent and also an STEMWorks Afterschool instructor at Pukalani Elementary School. My 2 daughters have both been involved in Maui Economic Development Board's STEMWorks Afterschool program; my older daughter, for 2 years, and my younger daughter for 6 years. I have been a STEMWorks Afterschool instructor for the last 5 years. The STEMWorks program greatly enriches students' lives and teaches them valuable skills they would not receive in the classroom.

My older daughter, Kelsie, is now 14 years old and a freshman at King Kekaulike High School. When she was a fourth and fifth grader at Pukalani Elementary School, she took STEMWorks Afterschool classes in 3D Printing, Photoshop, and Movie Making. Kelsie was a fairly good student, but was reserved, shy, and kept to herself. Movie Making helped Kelsie not only learn about the process of making movies, but also to get out of her comfort zone. This class helped her to break free from her shyness and be comfortable being in front of an audience. This in turn gave her experience for presenting projects and speeches in her classes. It was amazing to see her growth and how confident she became.

My younger daughter, Abigail, is now 11 years old and a 6th grader at Kalama Intermediate School. She has been involved in STEMWorks Afterschool classes since she was in 1st grade at Pukalani Elementary School. She has taken classes in Robotics, Coding, STEM Exploration, Movie Making, and was on the competitive robotics team. She is currently taking Digital Art at Kalama. Her greatest growth has been with her involvement in Pukalani School's competitive robotics team. Abigail's role on her robotics team was a STEM researcher. As a researcher, Abigail learned how to research topics using the Engineering Design Process and how it is used to find solutions to problems. She was introduced to and gained experience in careers in microbiology, law enforcement, and medicine. She also learned to work together with her teammates and compromise when there was a difference of opinions. Like Kelsie, Abigail has also had to break free from shyness. Part of being on the robotics team meant learning to be comfortable with presenting in front of an audience. She had to be confident in the many fundraising events in the community and telling people about their team. She also learned confidence and poise while making their research video for competition and during the team's interview by judges. These experiences gave Abigail an introduction into future careers and gave her confidence to be a valuable contributor in her classes.

The 2019/20 Pukalani Elementary School's Robotics team competed fiercely and won an invitation to the 2020 VEX Robotics World Championship. Sadly, this competition was canceled due to the COVID-19 Pandemic. This was also a learning experience. Through this experience, Abigail has learned how to handle disappointment. She learned that life does not always go the way you want or expect it to go. Abigail learned that when things don't go your way, you don't just sit and complain. You need to always keep a positive attitude and look towards the future. This year, that positive attitude paid off and some members of the 2019/20 robotics team competed again and won invitations to the 2022 VEX Robotics World Championship in Dallas, Texas in May. Abigail would have not been able to have these experiences or opportunities if not for the support of MEDB and the County of Maui.

I have taught first grade and Kindergarten STEM/Robotics classes at Pukalani School. I am also a Part-Time Teacher and substitute teacher at Pukalani School. I have seen students both in the classroom and after school. I have seen students that are not at the top of their class academically thrive in their after school STEM class. Afterschool STEMWorks classes give students the opportunity to learn and gain experience with new technology. Some of these students may have never gotten this opportunity anywhere else. Classes also allow them to be successful, even when they struggle learning traditional subjects in class. They gain confidence and are also

introduced to STEM careers. STEMWorks Afterschool classes give students hope and motivation to continue their education so they can one day be a contributing member of the community.

Thank you so much for your support of MEDB's StemWorks Afterschool program. Students are able to learn valuable skills and gain the confidence they need to be successful students. They are also shown that getting a higher education and a STEM career is possible and that they can succeed in whatever they put their minds to. Thank you for giving students inspiration to dream.

Sincerely,
Janelle Tamayose

Britney James

Location:
Submitted At: 3:43pm 04-14-22

Aloha,

I am submitting these testimonies for Baldwin High School Automotive Program students on behalf of MEDB. The students were having trouble getting the ecomment to work and asked me to submit for them since I am the STEMworks Program Specialist in Agriculture and CTE.

Mahalo,
Britney

Guest User

Location:
Submitted At: 11:49am 04-14-22

Aloha County Council,

As Maui residents we fully support including the \$9.5 million funding for a new Ma'alaea Regional Wastewater Reclamation Facility in the 2023 budget. The health of our ocean, coral, and fish is crucial to the survival of Maui and it's people! Please do the right thing by approving this project.

Mahalo,
Chris & Lori Lock
Kihei

Guest User

Location:
Submitted At: 10:24am 04-14-22

I totally support a treatment plant for the Ma'alaea area. I own a condo in Kihei and I know that the Ma'alaea bay and Sugar beach areas need the most attention to their water quality. Please spend the money to stop the injection well pollution. This is a reasonable and well researched proposal.

Sincerely,
Liz Stahl
140 Uwapo Rd 11-105

Guest User

Location:
Submitted At: 5:39pm 04-13-22

County Council Members,

The Ma'alaea community was masterplanned by Maui in 1970 and developed in accordance with that plan. The County required injection wells at the time and that is what was built by the various buildings. That has proven to be a disaster and is completely killing the coral reef, and adversely impacting the fishery, sea turtles and even the whales.

The County now recognizes that the only option available is the development of a county wastewater treatment plant. The owners of the various buildings and complexes are happy to pay whatever monthly fees are necessary to operate the facility. But is it critical that the County fund the \$9.5m development of the project as the community will never be able to afford the initial capitol outlay.

Please save Maui's natural ecosystems. The Coral Reef, the Sea Turtles, the fishes and the whales cannot come testify on their behalf. Please use your good grace and and resources to help them by approving the funding of the new regional wastewater treatment plant!! Mahalo!

Gregory and Charlene Sheehan
280 Hauli Street #A5

Guest User

Location:

Submitted At: 12:03pm 04-13-22

Aloha County Council,

It is vital that we take care of our oceans and get rid of injection wells!
Please approve the Regional Wastewater Plant in Maalaea. The wells in that area are some of the worst offenders on the island. I am a condo owner in Maalaea, Maui resident and long time Hawaii resident. We desperately need to shut down these aging systems and see Maalaea Bay restored to a clean and healthy environment for corals, fish, and humans alike. It is the right thing to do! Why would we wait?? The right time to do the right thing is NOW.
Please vote to approve the \$9.5m project.

Mahalo,
Tracey Cannon
280 Hauoli St A17

Guest User

Location:

Submitted At: 11:12am 04-13-22

I may not have the correct place for the meeting but I want to address the water treatment plant that needs to be built in Maalaea. The area is far over due for the county to put in the water treatment for the area.

Mary Pedretti
Kanai a Nalu complex

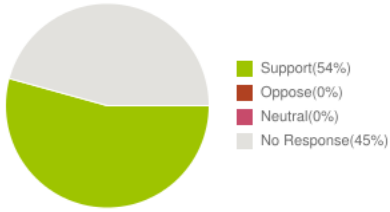
Guest User

Location:

Submitted At: 7:18am 04-13-22

This is a comment in support of the request to include \$9.5 million of funding for a new Ma'alaea Regional Wastewater Reclamation Facility in the 2023 budget, and support for Kelly King's proposed amendment.

Overall Sentiment



Guest User

Location:

Submitted At: 6:03pm 04-18-22

I support funding for the Ma'alaea wastewater system!

Aloha!

I am the president of the AOA for Ma'alaea Yacht Marina at 30 Hauoli Road, Wailuku. Our building was constructed in 1979 and does not have public water and sewer service. It is a disservice to the entire community that this ecologically very important area does not have the ability to adequately treat and dispose of human wastes. Property taxes in Ma'alaea are no different than those elsewhere in Maui where those vital services are available to all.

I urge you to appropriate funds to develop and operate a wastewater system for this important community.

Mahalo,

Meera Kohler

Guest User

Location:

Submitted At: 6:00pm 04-18-22

Ma'alaea Regional wastewater facility funding

We have been a condo owner in Ma'alaea since 1984; and are definitely in favor of the County Council approving the \$9.5 million funding for the above referenced wastewater facility. Such a facility will serve the Ma'alaea community for years, improve the Ma'alaea Bay ocean water, stop the coral destruction, and reduce beach erosion.

Every homeowner I've talked to is in favor of this project; and we sincerely hope the Council members feel the same way. Thank you, for reading my email.

Robert Arboit

300 Hauoli St. #B-1

Guest User

Location:

Submitted At: 5:51pm 04-18-22

We support funding for the Ma'alaea wastewater system!

My husband and I have owned our home here in Ma'alaea since 2011. We have watched our beloved bay become sicker and sicker with polluted run-off.

We strongly support the Council Member Kelly King's proposal to include \$9.5 million for a Ma'alaea Regional

Wastewater Reclamation System in the 2023 budget.

Nancy and John Norman
70 Hau'oli St. Apt. 205
Wailuku, HI 96793

Guest User

Location:
Submitted At: 5:48pm 04-18-22

We support funding for the Ma'alaea wastewater system!

Marshall and Susan Mortenson
Owners of Unit 310 Kanai A Nalu
250 Haouli Street
Maalaea, Maui

Guest User

Location:
Submitted At: 5:43pm 04-18-22

Wastewater Reclamation System for Maalaea

I would like to express my support for the proposal for a new wastewater reclamation system for Maalaea, The system would be of immeasurable benefit in recovering the waters and wildlife of Maalaea Bay. Maui county funding of the proposal for this up-to-date technology would be a great investment in the health of the island.

Sincerely,

Peter LeMotte
Milowai 305, Maalaea

Guest User

Location:
Submitted At: 5:41pm 04-18-22

Build a Maalaea Regional Plant

We are requesting that the County Council include in their budget to build a Maalaea Regional Plant to fix the injection well problem that is being experienced.

We are owners in the Milowai condo complex.

Mahalo

Carey Clenchy
Unit 405

Guest User

Location:
Submitted At: 5:34pm 04-18-22

The need for a MAALAEA regional plant to fix injection well problem

As a 37 year resident of Maui, tax payer, and ARDENT voter, I am asking the Maui County Council to include \$9.5 million on the County budget to build a Maalaea regional plant and fix the injection well problem. We need this facility to protect our beautiful Maalaea community, seaside, and aina. I will be watching this issue closely and voting in November with the results of this issue in mind. Noreen Joyce LCSW

Guest User

Location:

Submitted At: 5:24pm 04-18-22

County well in Ma'alaea

County Council:

Please include 9.5 million of the county budget to build a much needed Ma'alaea regional plant and fix the injection well problem!

Thank you,

Owners at Island Sands

150 Hauoli St. #604

Vicki and John Stewart

Guest User

Location:

Submitted At: 5:08pm 04-18-22

Wastewater Treatment Plant Maalaea Approval Respectfully Requested

Aloha County Counsel: As Maalaea home owners, we respectfully request you approve the Wastewater Treatment plant which hopefully will serve as a template for success for all of Maui. Aloha and Mahalo, Joseph and Mary Anna Walloch

Guest User

Location:

Submitted At: 5:06pm 04-18-22

We support funding for the Ma'alaea wastewater system!

Aloha Honorable Mayor Victorino and Esteemed Councilmembers,

Please support and approve the amendment to the FY2023 Maui County budget to include \$9.5 million for the Ma'alaea Wastewater Treatment and Reclamation plant. This is the solution Maui needs to rid itself of most of the remaining wastewater injection wells which have contributed to the impaired water status designation of Ma'alaea Bay. Forward thinking and economically and environmentally sound solutions to waste management are what our county and community need to help keep Maui county residents and our surrounding waters healthy and thriving.

Again, we wholeheartedly support the full funding of the proposed regional WWTP for Ma'alaea, and we respectfully request support from the Mayor and Councilmembers as well.

Mahalo for your time and consideration of this project funding request!

Mahalo With Aloha,

Lora Harbo

David Liebersbach

Gayle Harbo

Ma'alaea property owners/residents

Guest User

Location:

Submitted At: 4:40pm 04-18-22

Maalaea Regional Wastewater Reclamation Facility

Good morning council members and thank you for your service to our community!

My name is Leif Bjornson. My family moved from Minnesota to Maui in 1966 and for 4 years lived in a small house about halfway between the Maalaea harbor and the end of the road near what is now Haycraft park. My brothers and I with a few neighbor kids grew up surfing from Freighttrains to Rusty pipes and Saltflats. If there were no waves we snorkeled and occasionally spearfished in the beautiful water of Maalaea bay. In the late1970's the Lauoa condominium was built and my family owns an apartment here. I now live in Wisconsin and return to Maui for 2 months or so each year, so over the years I have seen the changes. There is now almost no seaweed and the reef is gray/brown. With waves of 2-3 feet this past week the water was churned up and murky but alarmingly it TASTED bad! Yuck!

Here at Lauoa we just spent millions to upgrade our wastewater treatment plant but it is still the old-fashioned injection well system that is clearly contributing to the damage of the bay waters.

The U.S. Environmental Protection Agency now lists Maalaea Bay as an impaired body of water. Just imagine the impact on our tourist industry and economy if word got out that Hawaii's coastal waters are polluted with human waste!

We MUST DO what we can now to stop this damage to our "golden" resource! Therefore I strongly support Councilperson King's addition to the 2023 budget of 9.5 million dollars for a new Maalaea Regional Wastewater Reclamation Facility. I urge moving forward ASAP!

Thanks for your consideration and your service.

Mahalo and aloha, Leif Bjornson

Guest User

Location:

Submitted At: 4:38pm 04-18-22

I support funding for the Ma'alaea wastewater system!

Good Morning!

As Kanai a Nalu Condo Owner, I support the amendment Kelly King has proposed to fund the Maalaea Wastewater system. Kanai a Nalu currently operates it's own STP with injection wells.

Thank you!

Kevin Robinson

250 Hauoli Street

Wailuka HI 96793

Guest User

Location:

Submitted At: 2:36pm 04-18-22

I support funding for the Ma'alaea wastewater system!

As one of 500 condo owners in Ma'alaea I ask that you support and vote for the future wastewatersystem.

Barbara Bromley Makani A Kai B7

Guest User

Location:

Submitted At: 2:34pm 04-18-22

I support funding for the Ma'alaea wastewater system!

Please include \$9.5 million of the funding for a new Ma'alaea Regional Wastewater Reclamation Facility in the 2023 budget, as referenced in Kelly King's proposed amendment.

Sent from my I Pad.
Cheryl Sloan
Compliance Officer
Maui Clinic Pharmacy
The Pharmacy Group
Cell: 808-298-5609
Fax: 808-442-0019

Guest User

Location:
Submitted At: 2:29pm 04-18-22

I support funding for the Ma'alaea wastewater system!

Please include \$9.5 million of funding for a new Ma'alaea Regional Wastewater Reclamation Facility in the 2023 budget

Mahalo
William Battles

Dr. William Battles
16 Hobron Ave #205
Kahului, Maui, Hawaii 96732
O 808 893 0590
F 808 893 0591

Guest User

Location:
Submitted At: 2:27pm 04-18-22

I support funding for the Ma'alaea wastewater system!

Please include \$9.5 million in the 2023 budget for the Ma'alaea waste system plant per Kelly King's proposed amendment. There is an urgent need for this project.

Thank you,
Bill Lamkin

Guest User

Location:
Submitted At: 2:26pm 04-18-22

I support funding for the Ma'alaea wastewater system!

Aloha County of Maui Mayor and Council members,

My name is Jim Zarley. I am an owner of condos and a current board member of Milowai Ma'alaea AOAO. I am in support of Council member Kelly King's proposal for \$9.5 million of funding for a new Ma'alaea Regional Wastewater Reclamation Facility in the 2023 budget.

I strongly believe that this proposal is in the best interest of the County, the State of Hawaii and the habitat along the shoreline of Ma'alaea Bay. It will expand the life of the coastal waters and addresses a serious challenge to all who inhabit the Ma'alaea area and gives promise to a solution of Effluent disposal through injection wells that has lingered for many many years.

Thank you for your leadership and commitment in resolving a long standing issue.

Sincerely,
Jim Zarley
Cell: 702-521-6741

Email: jameszarley@gmail.com

Guest User

Location:

Submitted At: 2:22pm 04-18-22

I support funding for the Ma'alaea wastewater system!

Please take steps to provide this important improvement, while taking advantage of the federal monies available to help!

Kenneth W. Hoehn
190 Hauoli St #208
Wailuku, HI 96793

Guest User

Location:

Submitted At: 2:15pm 04-18-22

I support funding for the Ma'alaea wastewater system!

As a property owner at Hono Kai please include funding for a new Regional Wastewater Reclamation Facility in the 2023 budget.

Jason Stevens <jasonbstevens@gmail.com>

Guest User

Location:

Submitted At: 2:09pm 04-18-22

I support funding for the Ma'alaea wastewater system!

I support funding for Maalaea wastewater system. The real estate tax GE and T A taxes generated by all of Hauoli Street pay for this in short order.

Ronald and Dianne Rascia
300 Hauoli street A 10

Guest User

Location:

Submitted At: 2:06pm 04-18-22

I support funding for the Ma'alaea wastewater system!

Jeanne McJannet <fourtutu@msn.com>

Guest User

Location:

Submitted At: 2:05pm 04-18-22

I support funding for the Ma'alaea wastewater system!

Aloha,

Please include \$9.5 million of funding for a new Ma'alaea Regional Wastewater Reclamation Facility in the 2023 budget

This would be a significant improvement to both the residents and the ocean: Injection wells are known to contaminate surrounding areas and must be eliminated

Mahalo,
Leslie Kim Pickett

30 Hauoli St, Wailuku, HI 96793

Guest User

Location:

Submitted At: 2:00pm 04-18-22

Maalaea regional plant

Please consider County Council to include \$9.5 million on the County budget to build a Maalaea regional plant and fix the injection well problem

Rick Viebahn

50 Hau'oli Street

Apt 404

Wailuku HI 96793-9542

8088660016

Guest User

Location:

Submitted At: 1:58pm 04-18-22

Maalaea Regional Plant

I support the proposal to build a regional plant and fix the injection well problem, even if it will mean higher taxes, as this is very important to the health of the beaches and ocean. Thank you, Carole McMahon, llendar@comcast.net

Guest User

Location:

Submitted At: 1:56pm 04-18-22

Please support the Maalaea Regional Plant Injection Well Problem

I urge the Maui County Council to include \$9.5 million in the County budget to build a Maalaea regional plant and fix the injection well problem. This is not a Maalaea issue but a County issue that needs to be resolved. We can't expect a small community to pay for a regional problem.

Mahalo,

Rick Ruiz

Guest User

Location:

Submitted At: 1:50pm 04-18-22

Wastewater treatment

Council members,

Please support council member King's budget amendment to the 2023 Maui County fiscal budget to include a 9.5 million for a wastewater treatment for Maalaea community.

Linda Alfonso

280 Hauoli St

Wailuku HI

Guest User

Location:

Submitted At: 1:23pm 04-18-22

County Commissioners:

In reviewing the proposed budget, I see that funding for the Ma'alaea Regional Wastewater Reclamation Facility has not been included. Kelley King has proposed an amendment to the budget that would fund the \$9.5M cost of a long time top priority infrastructure project. This project is one that would result in bettering the health of our island. We have found that injection wells are concentrated in the Ma'alaea Bay area and are having a detrimental affect on the marine ecosystems. The recent Supreme Court decision has emphasized the high priority of eliminating these injection wells. The properties of Ma'alaea Bay have been trying to address this wastewater concern for a number of years, realizing that it is bigger than anyone of the properties alone can handle. I ask you to include the project in the 2023 budget not only for the benefit of Ma'alaea Bay and for the health of our island's ecosystem, but also for all the Maui citizens and businesses that rely on the health of the waters we enjoy at the parks and beaches in this area.

Thank you for your consideration,

Elaine Owen Baker
1baker89703@sbcglobal.net

Guest User

Location:
Submitted At: 12:37pm 04-18-22

Dear Members of the county council,
As Hawaii strives to clean up its rivers, ocean, carbon usage and pollution it must not ignore its wastewater issues.

Maalaea is in great need of a wastewater treatment system. Many of condos on Hauoli St., have out dated sewage systems. Leakage from these systems affect our ocean water and henceforth our marine life. I implore the County Council to include the 9.5 million dollar Maalaea Wastewater Treatment System in its new budget this year. Maalaea has waited long enough and the oceans have suffered more than enough.

Mahalo,
Karen Scott - Hono Kai complex, unit C5
Maalaea, HI 96793

Guest User

Location:
Submitted At: 10:56am 04-18-22

Budget Testimony: Why Maui County is responsible for wastewater infrastructure in Maalaea

Why does Maui County have an obligation to build wastewater infrastructure in Maalaea?

The short answer is: The County created this problem and the County needs to fix it.

A little history is helpful in understanding.

In the 1970's, Maui Mayor Elmer Cravalho was promoting the development of tourism for Maui. The Kaanapali Resort, the first planned resort in the State of Hawaii, had just been completed by Amfac. And the concept of condominium ownership, now copied around the world, was literally being invented within Hawaii.

One may recall, Mayor Cravalho was famous for forcing developers to pay for infrastructure in order to secure permits to build. For example, if you want to build a hotel in Wailea, then you have to bring the fresh water pipes from the source to your property. If you want to build your hotel, then you also need to build a wastewater plant on your property.

But fifty years later, if the water pipe to the Wailea Resorts breaks, do the hotels have to fix it? No, the County owns it, the hotels pay property taxes, and the County fixes it.

How about Maalaea?

The original Maalaea community consisted of about a dozen homes and a store that were all connected to individual cesspools. Our family was one of the families living in Maalaea. There were also some vacant lots. In late 1970, Maui County changed the zoning in Maalaea to allow condominium resorts to be constructed. My parents, and the other homeowners in Maalaea, were all charged property taxes on their home as if they had a hotel on their property. The County of Maui, through this zoning change, forced the homeowners to either sell their homes or develop a condominium in Maalaea. That is what happened.

Developers soon took over the properties. Those who built the condominiums in Maalaea were required by Maui County to build an on-site wastewater plant that used 1970's injection well technology that processed the effluent and pumped it into the fresh water table. This proved to be a big mistake. The nutrients from these permitted plants, together with unmitigated pathogens, ended up in the ocean to feed the algae that eventually took over and killed the reef, the limu, the shells, the opai, and the fish spawning corals. These nutrients, and sedimentation from mauka, in 50 years, has ruined the ecology of Maalaea Bay. We are fishing and swimming in doo doo soup.

Similar zoning changes in Kihei and in the Lahaina area created the development of Condominiums and other projects that required on-site injection well wastewater systems for a permit. However the County later recognized the problem of having developed areas with hundreds of individual cesspools and injection well systems. Damage to the ocean and the water table was evolving into an ecological disaster. So the County did the right thing and built regional sewer systems and wastewater plants for both the Kihei and Lahaina communities. Only Maalaea, currently holding 11 of the remaining 14 Underground Injection Control permits on Maui, has not been cleaned up by the County. The County holds the other three permits for Kahului, Lahaina and Kihei.

Maui County created a situation where homeowners were forced to either sell to developers or develop their home lots into condominiums through County zoning changes and property taxes. The developers were required by Maui County to build an on-site wastewater plant with only primary treatment at every single condominium in Maalaea. The County permitted these wastewater systems. This was the County's plan. The County is responsible for setting up this wastewater scheme in the first place. So now the homeowners in Maalaea, fifty years later, still have these legacy wastewater systems intact and they are now being told to fix their failing injection well systems. Yet we know that, because of the Supreme Court Lahaina case, the injection wells will all need to go. Any money put into improving an injection well system today will be lost.

The County of Maui created this problem. The County of Maui required these injection well systems to be built. The County of Maui permitted these mistakes. The County of Maui is culpable and needs to fix this. Government is responsible for the water and wastewater infrastructure in Maalaea in the same way that they were in Kihei and in Lahaina. These are the last of the injection wells of Maui located next to the ocean. This project is long overdue and it will restore health to Maalaea Bay.

So where do we stand today? The reef is near dead. Maalaea Bay is designated a 303(d) impaired body of water by the EPA. Maalaea Bay is a negatively impacted economic engine affecting all of Maui. This is not just about the Maalaea Community. This is about all of us who live, work and play on Maui.

Individual homeowners bought into the condominiums and still find themselves in the wastewater business with inferior 1970's technology that needs to be condemned. Fifty years later, the developers are long gone, and the condominium owners in Maalaea have every right to say, "Maui County, you created this problem, and you need to fix it".

Please, Maui County Council members, provide veto-proof support for the amendment to the County budget that provides for a regional wastewater sewer system and treatment plant for Maalaea, for all of Maui, and for Maalaea Bay.

To do nothing is unacceptable.

Mahalo,

Peter W. Cannon

Guest User

Location:

Submitted At: 10:53am 04-18-22

Petition for Maalaea Wastewater plant

Dear City Council,

We are owners of 300 Hauoli St, B4 in Maalaea, and we know there is a proposal on your dock for \$9.5 million to build a Maalaea regional plant and fix the injection well problem.

To preserve a health environment in and around Maalaea, we strong encourage you to approve this proposal.

Thanks,

Jacob and Kimberly Christfort

Guest User

Location:

Submitted At: 10:42am 04-18-22

Support Maalaea regional plant

Dear County Council,

Maalaea Bay is such a special part of Maui, but the current aging wastewater system is negatively impacting the community and the coastal ecosystem. Please include \$9.5 million on the County budget to build a Maalaea regional plant and fix the injection well problem.

Thank you,
Kim

Kim Christfort
Deloitte Greenhouse®

Guest User

Location:

Submitted At: 10:40am 04-18-22

Maalaea Sewage Treatment Plant

I have lived at the Makani A Kai condominium complex for the last 11 years. When I was able to do the books I was the treasurer for the home owners association.

I am very aware of the problems with the current sewage system and all the dead corals in the bay. It's important for the health of our reefs that a waste disposal system be developed by the County of Maui for the Maalaea condominium community, stores and the Harbor.

Mahalo nui loa
Fred Shanaman

Guest User

Location:

Submitted At: 10:38am 04-18-22

Please include \$9.5 million on the County budget to build a Maalaea regional plant and fix the injection well problem

To the County Council,

Please include \$9.5 million on the County budget to build a Maalaea regional plant and fix the injection well.

Thanks,

Makani A Kai

Wenji Sun

Guest User

Location:

Submitted At: 10:35am 04-18-22

Maalaea Wastewater plant

To whom it may concern:

As an owner of a condominium in the Makani A Kai complex on Maalaea Bay, I am entirely in support of a county run regional wastewater plant. We have owned our condominium for over 20 years, and I hope to own it for at least that long still and it would be great knowing that we had a universal approach to ensuring the environmental impact we create was being held to a single, higher standard going forward. Please include \$9.5 million on the County budget to build a Maalaea regional plant and fix the injection well problem.

Sincerely,

Patrick McIntyre

Guest User

Location:

Submitted At: 10:34am 04-18-22

I support funding for the Ma'alaea wastewater system!

As an owner at Milowai Maalaea, 50 Hauoli Street #208, we support the elimination of the aging injection wells through the replacement using a new system that meets and exceeds current water standards.

We ask that the Maalaea Regional Wastewater Reclamation Facility included in the 2023 budget budget be approved for the betterment of the Community, Maui and its Ocean.

Thank you,

Bob & Tanci Mintz

907-242-1044

Guest User

Location:

Submitted At: 10:25am 04-18-22

SUPPORT INCREASED BUDGET FOR THE DEPARTMENT OF AGRICULTURE (918223A-5101 and 918223B-6132)

Dear Maui County Councilmembers,

On behalf of Pukalani Superette, I strongly support increasing the budget of the Department of Agriculture to support additional staff positions and funding for professional services. In order for the Department of Agriculture to be a successful department, it must have sufficient staff to start addressing the needs of the community efficiently.

In addition to the positions outlined in the bare-bones budget for the Department of Agriculture. I support including the addition of two Grant Writers, two Food Access Coordinator positions and a Waste and Resource Regeneration Specialist in the Department's Budget as additions to provide the bare-bones capacity to meet the needs of this Department.

I ask also that the Department of Agriculture budget is increased to allow for professional services that will support the establishment of countywide emergency storage and food centers, emergency food banks in L_na_i, Molokai and H_na, legal assessments of the current agricultural cross-sectors with Federal and State Agencies to negotiate and address agricultural issues, and the development of a streamlined County permitting process for the agricultural sector.

Even with funding the additional positional and professional service, including making changes to fringe benefits, equipment, travel and mileage to accommodate for the additional positions will still allow the total funding for the Department to be less than \$3 million dollars. Which is .3% of the overall County budget and a very reasonable ask to support increasing food security and help our local agricultural sector.

I respectfully ask that you increase the budget of the Department of Agriculture to support the addition of these positions and professional services. This funding will be crucial to the success of the Department of Agriculture. An investment in this Department's success is an investment in the success of Maui County's farmers and ranchers. Please help us when we need it most.

Thank you,
Megan Nakashima | President

15 Makawao Avenue, Pukalani, HI 96768 | www.PukalaniSuperette.com
Phone: (808) 572-7616 | Fax: (808) 572-7733 | E-mail: megannakashima@pukalanisuperette.net

Guest User

Location:

Submitted At: 10:20am 04-18-22

SUPPORT INCREASED BUDGET FOR THE DEPARTMENT OF AGRICULTURE (918223A-5101 and 918223B-6132)

Aloha,

I strongly support increasing the budget of the Department of Agriculture to support additional staff positions and funding for professional services. In order for the Department of Agriculture to be a successful department, it must have sufficient staff to start addressing the needs of the community efficiently.

In addition to the positions outlined in the bare-bones budget for the Department of Agriculture. I support including the addition of two Grant Writers, two Food Access Coordinator positions and a Waste and Resource Regeneration Specialist in the Department's Budget as additions to provide the bare-bones capacity to meet the needs of this Department.

I ask also that the Department of Agriculture budget is increased to allow for professional services that will support the establishment of countywide emergency storage and food centers, emergency food banks in L_na_i, Molokai and H_na, legal assessments of the current agricultural cross-sectors with Federal and State Agencies to negotiate and address agricultural issues, and the development of a streamlined County permitting process for the agricultural sector.

Even with funding the additional positional and professional service, including making changes to fringe benefits, equipment, travel and mileage to accommodate for the additional positions will still allow the total funding for the Department to be less than \$3 million dollars. Which is .003% of the overall County budget and a very reasonable ask to support increasing food security and help our local agricultural sector.

I respectfully ask that you increase the budget of the Department of Agriculture to support the addition of these

positions and professional services. This funding will be crucial to the success of the Department of Agriculture.

An investment in this Department's success is an investment in the success of Maui County's farmers and ranchers.

Please help us when we need it most.

Mahalo,
Theresa Thompson
Thompson Ranch
Kula, Maui

Guest User

Location:

Submitted At: 10:17am 04-18-22

SUPPORT INCREASED BUDGET FOR THE DEPARTMENT OF AGRICULTURE (918223A-5101 and 918223B-6132)

Dear Maui County Councilmembers,

I strongly support increasing the budget of the Department of Agriculture to support additional staff positions and funding for professional services. In order for the Department of Agriculture to be a successful department, it must have sufficient staff to start addressing the needs of the community efficiently.

In addition to the positions outlined in the budget for the Department of Agriculture. I support including the addition of two Grant Writers, two Food Access Coordinator positions and a Waste and Resource Regeneration Specialist in the Department's Budget as additions to meet the needs of this Department.

I ask also that the Department of Agriculture budget is increased to allow for professional services that will support the establishment of countywide emergency storage and food centers, emergency food banks in L_na_i, Molokai and H_na, legal assessments of the current agricultural cross-sectors with Federal and State Agencies to negotiate and address agricultural issues, and the development of a streamlined County permitting process for the agricultural sector.

Even with funding the additional positional and professional service, including making changes to fringe benefits, equipment, travel and mileage to accommodate for the additional positions will still allow the total funding for the Department to be less than \$3 million dollars.

Please increase the budget of the Department of Agriculture to support the addition of these positions and professional services. This funding will be crucial to the success of the Department of Agriculture. An investment in this Department's success is an investment in Maui County's farmers and ranchers.

Mahalo,
Skippy Hau
Retired Aquatic Biologist

40 Kapi Lane #104
Wailuku, HI. 96793

Telephone# (808) 383-4149

Guest User

Location:

Submitted At: 10:00am 04-18-22

Replace 24 outdated injection wells in Ma'alaea

Ma'alaea has been under assault with toxins from the air and in the water for far too long. The reef at Ma'alaea is nearly dead with only about 10% left alive...the reef is where baby fish are nursed...we are literally destroyed the hand that feeds us.

We are way overdue and we have an opportunity to attract federal dollars to help with the cost. Please vote for this project to happen ASAP.

Sincerely,
Bill Greenleaf
Greenleaf Farm
Makawao

Guest User

Location:

Submitted At: 9:54am 04-18-22

Replace 24 outdated injection wells in Ma'alaea

Dear Maui County Clerk,

I support replacing 24 outdated injection wells in Ma'alaea with new cleaner wastewater technology

This project which Councilwoman Kelly King proposes to begin funding, can be further funded by the Federal Infrastructure Bill. Maui Pono will provide land above and away from the ocean so that outdated polluting injection wells will be replaced by technology that will provide cost effective water quality exceeding standards.

Sincerely,
Stuart Karlan
2752 Kauhale St., Kihei HI 96753

Guest User

Location:

Submitted At: 9:49am 04-18-22

Funding Maui County Department of Agriculture

Aloha Council:

I'm writing in support of the funding needed to create ... The Maui County Department of Agriculture

As a person who lives and breaths agriculture, the creation of this Department spells HOPE for all of us. For how many years have we heard about Hawaii working toward Food Sustainability, while literally nothing was done.

The State of Hawaii does not adequately fund the State DoA and now the salary commission comes up with a budget for Director and Ass't Director that is lower (by a lot) than other departments. That is shortsighted and sadly in alignment with past failures to adequately boost agriculture.

What positive developments can we anticipate from a thriving MauiCounty Dept of Agriculture?

Careers/jobs

Food/Health

Community development

Water resource conservation

Infrastructure development via federal funding...

Repair of watershed

Repair of water delivery system

Grants for young farmers

Maui County's timing with the creation of this Department matches perfectly with the US Govt Infrastructure Grants.

The Maui County Dept of Agriculture needs to hire 2 grant writers...this is an opportunity...a once in a lifetime opportunity.

Let's go for it...

Mahalo,

Bill Greenleaf

Greenleaf Farm

Makawao

Guest User

Location:

Submitted At: 9:47am 04-18-22

Please fully fund the Dept of Agriculture for the 1st year

Aloha Chair Lee and esteemed County Council Members,

My name is Barbara Barry and I am an organic farmer in Ha'iku. I also serve on the Kula Agricultural Park Board. I am not a lobbyist.

I was waiting to testify tonight in person but as it was getting late, I wanted to shorten the list of testifiers this evening.

I was honored to be a part of the citizen focus/task force that reviewed the Department of Agriculture questionnaire answers from the Maui County citizens who took the time to fill it out.

There were many meeting to condense it into the form that was presented to you and I just want to let you know that the process to fund the different needs was arduous and challenging so as not to ask for too much the 1st year but to ensure that there was adequate staffing and support programs for this essential Department to have a strong foundation to build on for the 2nd, 3rd, 4th and 5th years of the program. We believe our request was bare bones.

Since Maui County is detached from its land masses, the need to support the Department of Agriculture on all islands and in the remote area of Hana will require adequate staffing to be successful.

The Department has a very big job ahead of it and we all eat, so we can see the value of giving this Department the best chance of being successful by increasing the budget to \$3 million which is a mere .3% of the massive County budget you are working on. This is very reasonable considering the goal of increasing food security in our Islands and supporting small to medium farmers and our younger farmers who are challenged by lack of affordable land and housing. This will also support emergency food storage in all Maui County Islands and remote locations like Hana, which is crucial for our food security.

I strongly support increasing the budget of the Department of Agriculture to support additional staff positions and funding for professional services.

In order for the Department of Agriculture to be a successful department, it must have sufficient staff to start addressing the needs of the community efficiently.

In addition to the positions outlined in the bare-bones budget for the Department of Agriculture.

I strongly support including the addition of two Grant Writers (funded), two Food Access Coordinator positions (funded) and a Waste and Resource Regeneration Specialist (unfunded) in the Department's Budget as additions to provide the bare-bones capacity to meet the needs of this Department.

I ask also that the Department of Agriculture budget is increased to allow for professional services that will support the establishment of countywide emergency storage and food centers, emergency food banks in L_na_i, Molokai and H_na, legal assessments of the current agricultural cross-sectors with Federal and State Agencies to negotiate and address agricultural issues, and the development of a streamlined County permitting process for the agricultural sector.

These actions are prudent to a successful start for the Department, will help build trust with our ag sector and

help increase food security for our County.

Even with funding the additional positional and professional service, including making changes to fringe benefits, equipment, travel and mileage to accommodate for the additional positions will still allow the total funding for the Department to be less than \$3 million dollars.

I respectfully ask that you support Councilmember Sinenci's Countywide budget priorities #1 & 2 and increase the budget of the Department of Agriculture to support the addition of these positions and professional services. This funding will be crucial to the success of the Department of Agriculture. An investment in this Department's success is an investment in the success of Maui County's farmers and ranchers.

Please help us when we need it most. To build a successful Department of Agriculture, it needs a strong foundation which we felt was reflected in the budget request.

Mahalo nui loa for your valuable support, Your hard work on this budget is much appreciated. Tonight's testimony was heartwarming.

Sincerely,
Ms. Barbara Barry
Ha'iku

Guest User

Location:
Submitted At: 9:45am 04-18-22

Maalaea Waste Water Treatment Plant

To whom it concerns:

I write in support to include \$9.5 million of funding for a new Ma'alaea Regional Wastewater Reclamation Facility in the 2023 budge as proposed by Kelly King.

If you wish to protect the future of Maui and Ma'laea Bay, this really is a 'no-brainer' and should be ratified and passed as proposed as it would benefit all Mauians.

Curtis Wong
Island Sands 606

Guest User

Location:
Submitted At: 9:32am 04-18-22

Ma'alaea Regional Sewer Treatment Plant on Agenda for April 14 and April 18th, 2022 - Council Meeting - Our Letter of Support!

Dear Maui County Council Members,

I am sorry that I can not be on Maui in person and to attend the Council meetings of April 14 and April 18th, 2022 and am currently on the Mainland. I have owned developed property (condominiums) in Ma'alaea for over 38 continuous years. I use to own three condo properties on Hau'oli St. and now being retired and on fixed income my wife and I own two properties.

I have seen the operations of and failings of Sewer Treatment Plants at the Kana'i A Nalu condos where I use to own a unit for 28 years. The old injection well type of plants need to go and this should have been done a long time ago. It is terrible that the condos on Hau'oli St. still have to operate with these old style systems, injection wells and all the damage caused to the Ma'alaea Bay area and the natural ecosystem for the sea life, coral and

also shoreline damage.

Our other condo is at Hono Kai Resort and it's STP has started to fail and the complex is in need of a temporary above ground type plant to keep the property up and running.

Collectively, all the properties on Hau'oli St and some of the surrounding sub-divisions homes would be better off and so would our environment to have a Regional Plant that all properties could connect onto.

I request as a long time owner and a taxpayer who pays thousands of dollars each year to Maui County, that the Council supports the investment , I believe it is 9.5 million dollars and move forward with the Regional Project for the Sewer Treatment Plant.

I own units at both Hono Kai Resort and at Island Sands and all of our district friends are also in support of this project. Let's get this started now ! Council Members, State Legislators and many more support this concept and the Regional System. Hopefully our Mayor will also join in to support the plans that are in place and the needed funding to get started.

Thank you for your time. You have two votes of support from my family and we will be listening in to see that the council votes in the affirmative for this funding. Council Member King is in support of this Regional Waste Water Treatment Plant and we request that the rest of the Maui County Council get on board to support her for an Affirmative vote to pass this agenda item.

Respectfully,

Richard and Elizabeth Dobbin

Owner's of Hono Kai and Island Sands condo properties in Ma'alaea, Wailuku, HI 96793

Guest User

Location:

Submitted At: 9:29am 04-18-22

Ma'alaea Wastewater

I support replacing 24 outdated injection wells in Ma'alaea with new cleaner wastewater technology

This project which Councilwoman Kelly King proposes to begin funding, can be further funded by the Federal Infrastructure Bill. Maui Pono will provide land above and away from the ocean so that outdated polluting injection wells will be replaced by technology that will provide cost effective water quality exceeding standards.

Sincerely,

Mark Sheehan

Haiku, Maui

808/283-2158

Guest User

Location:

Submitted At: 9:28am 04-18-22

Maalaea Regional Wastewater Treatment System

Dear County Councilmembers:

I am writing to urge your support of the proposed \$9.5 million expenditure to develop a Regional Wastewater Treatment System for the community of Maalaea. This project is urgently needed to protect Maui County citizens and to restore the health of the Maalaea Bay ecosystem. Please vote in favor of this important project. Mahalo for your support. Sincerely, Theodore Roberts

Guest User

Location:

Submitted At: 9:20am 04-18-22

Please include Ma'alaea Regional Wastewater Reclamation Facility in the 2023 budget!

I am a home owner at 300 Hauoli Street (at Ma'alaea Harbor area). While our current system runs great, due to diligent, patient, proactive management, we need this 2023 funding to insure the wastewater management for our home for the future.

Thank you,

Jean M. Phillips
300 Hauoli St.
Wailuku, HI 96793
(At Ma'alaea Harbor area)

Guest User

Location:

Submitted At: 9:18am 04-18-22

We need a WASTE WATER Treatment Plant in Maalaea

Dear County Clerk:

I live in Maalaea, and have owned at the Milowai since 1993. We desperately need help to get sewage treatment. Running our own injection well system is a terrible burden; any new system will cost millions of dollars to build and then will be very expensive to manage. The current system we have at the Milawai on Hauoli Street is very burdensome. Not only do we pay to have the system emptied regularly of sludge, but the water has to be constantly monitored. The whole thing is time consuming and expensive. Please help us. This has been a major issue for many years. There are a lot of people staying at Maalaea and those tourist dollars really help the county. Many thanks.

Frank Russo

Guest User

Location:

Submitted At: 9:16am 04-18-22

I support replacing 24 outdated injection wells in Ma'alaea with new cleaner wastewater technology

--

Tara Grace
808.870.1006

Guest User

Location:

Submitted At: 9:13am 04-18-22

Funding for Ma'alaea wastewater treating system

Dear members of the Maui County Council,

Can anyone dispute the fact that the environment, particularly the coastal waters, the reefs and marine life, are some of Maui's greatest assets? What would Maui be without these treasures? What would be the impact on the economy of Maui, without this lure that brings so many visitors to the island to enjoy its environment? What higher priority might there be for County governance, than to protect those assets?

Ma'alaea's wastewater problem is a concern for the County, the community and the greater environment which it affects. The opportunity is before you to serve all three constituencies at the same time, by supporting Council Member King's budget amendment to the Maui County Fiscal Year 2023 Budget, to include \$9.5 million to construct a decentralized regional wastewater treatment facility for the Ma'alaea community. It's the responsible thing to do and the time is now.

Respectfully submitted,

Michael & Diane Michaelis
150 Hauoli St
Wailuku, HI 96793

Guest User

Location:
Submitted At: 9:09am 04-18-22

Ma'alaea regional plant

I am asking the County Council to include \$9.5M in the county budget to build a Ma'alaea regional waste water plant. As an Island Sands owner, and Board member, I would like to see the condos along Hauoli St get off their injection wells and do our part in stopping the polluting of Ma'alaea Bay and help it recover.

Randall Urban
150 Hauoli St
Island Sands 102
Wailuku

Guest User

Location:
Submitted At: 9:07am 04-18-22

Maalaea waste water treatment

Aloha,

We respectfully ask you to allocate \$9.5 million to the county budget to build a Maalaea regional waste water treatment facility. This would solve the injection well problems, help our marine environment to recover, and provide irrigation water to replace the fresh water the community buys now for irrigation.

Our family has owned at Maalaea Banyans for over 30 years, and I am currently President of the Maalaea Banyans AOAO. We are working with Maui Green and Beautiful and the Maalaea Village Association to make Maalaea as desirable and ecologically friendly as possible.

We really appreciate your assistance in this matter.

Mahalo nui loa.

John Uhl

Guest User

Location:
Submitted At: 9:05am 04-18-22

New waste water treatment plant needed in Maalaea

Aloha County of Maui,

Maalaea urgently needs its own waste water treatment plant. Thousands of people visit and live in Maalaea. Please make a commitment of \$9.5 million to fix the waste water treatment issues.

With Condominiums and the commercial businesses operating their own WWTPs and injection wells for effluent disposal, with no primary treatment, Ma'alaea Bay is being negatively impacted.

Effluent disposal through injection wells is no longer viable or acceptable and is drawing increased scrutiny. It is

being phased out, statewide.

We as a community can do better. By improving waste area treatment, we can eliminate the use of injection wells for disposal, provide recycled water for community landscaping needs and/or agriculture, and thereby reduce consumption of Maui's precious fresh water supplies.

Ma'alaea Bay, a place where humpback whales come to have their babies, is listed by the EPA as an impaired body of water and suffering from severe coral loss. Improving Ma'alaea Bay's water quality is critical to restoring coral growth. Healthy Coral reefs are essential to protect the community from shoreline erosion.

Please consider this important project to improve Maalaea and the health of the bay.

Mahalo,
Tara & Rob Smith
Owner of units at Hono Kai & Island Sands

BFED Committee

Location:
Submitted At: 8:42am 04-18-22

Testimonies received from BFED Committee.

Guest User

Location:
Submitted At: 8:35am 04-18-22

Regional Wastewater System

To whom it may concern:

We are so proud to be new condo owners in Maalaea. We purchased a beautiful property in Hono Kai and have been really enjoying hosting visitors in Maui. Our unit is almost 100% booked and provides housing to dozens of visitors to the island every year. Each guest brings thousands of dollars to the Maui economy and they all share the tax burden during their stay. The whole Maalaea area needs a way to treat the water and care for the environment. Please construct a plant and support the Maalaea community and Maui as a whole.

Warm regards,

Dylan and Erin Slatton
Hono Kai C3

Guest User

Location:
Submitted At: 8:35am 04-18-22

Hona Kai Waste Water Plant

To whom it may concern,

I am an owner of unit A14 in Hona Kai at 280 Haouli Street Wailuku. We desperately need to be connected to the HI wastewater system. We need you to include \$9.5 million in the County budget for a new Ma'alaea Regional Wastewater Reclamation facility. The Department of Health has already recognized this as a significant issue that needs to be addressed asap. Please please please address this issue in your budget planning.

Thank you

John Cope

Guest User

Location:

Submitted At: 8:34am 04-18-22

Hona Kai Waste Water Plant

To whom it may concern,

I am an owner of unit A14 in Hona Kai at 280 Hauoli Street Wailuku. We desperately need to be connected to the HI wastewater system. We need you to include \$9.5 million in the County budget for a new Ma'ala'ea Regional Wastewater Reclamation facility. The Department of Health has already recognized this as a significant issue that needs to be addressed asap. Please please please address this issue in your budget planning.

Thank you

John Cope

Guest User

Location:

Submitted At: 8:24am 04-18-22

RE Polluting Injection Wells

I support replacing 24 outdated injection wells in Ma'ala'ea with new cleaner wastewater technology
terry mcauliff
Kihei

Guest User

Location:

Submitted At: 8:21am 04-18-22

Support for Maalaea Regional wastewater plant

I would like to provide my support for the \$9.5M wastewater treatment plant in Maalae'a. This will help Improve our coastal waters and mitigate the current water pollution.

Mahalo,
Tim VanOver

--

Mahalo,
Tim

Guest User

Location:

Submitted At: 8:20am 04-18-22

Maalaea injection wells

I am a condominium owner at 20 Hauoli St. in Maalaea. I would like to ask the Maui County Council to include \$9.5 million in the County budget to build a Maalaea regional plant and fix the injection well problem.

Thank you.

Gayle Carter
20 Hauoli St., Unit 213
Wailuku 96793

Guest User

Location:

Submitted At: 8:17am 04-18-22

Hi,

I support replacing 24 outdated injection wells in Ma'alaea with new cleaner wastewater technology

This project which Councilwoman Kelly King proposes to begin funding, can be further funded by the Federal Infrastructure Bill. Maui Pono will provide land above and away from the ocean so that outdated polluting injection wells will be replaced by technology that will provide cost effective water quality exceeding standards.

Sincerely,

Gordon Lange

Guest User

Location:

Submitted At: 8:16am 04-18-22

Replace 24 outdated injection wells in Ma'alaea with with new cleaner wastewater technology

I support replacing 24 outdated injection wells in Ma'alaea with with new cleaner wastewater technology

This project which Councilwoman Kelly King proposes to begin funding, can be further funded by the Federal Infrastructure Bill. Maui Pono will provide land above and away from the ocean so that outdated polluting injection wells will be replaced by technology that will provide cost effective water quality exceeding standards.

Warmest Mahalo and Aloha!

Susan Douglas

84A Iliwai Loop

(that's spelled I L I W A I)

Kihei, Maui, HI 96753

808 879 1112 (You can call 24/7, if you get my machine leave a long message. NO texts please.)

sd3@hawaii.rr.com

Guest User

Location:

Submitted At: 8:13am 04-18-22

We support the Maalaea Regional Wastewater Plant

This timely project would replace outdated polluting injection wells with technology that would provide water above the clean water standards on land Maui Pono offers above and away from the ocean. A reasonably priced system that could use Infrastructure monies from the Feds. Maui will benefit in many ways.

Mahalo!

Mr. & Mrs. Best

280 Hauoli

Wailuku HI 96793

Guest User

Location:

Submitted At: 8:21pm 04-16-22

I am writing in support of Councilmember King's budget request for \$9.5 million in funding for a Regional Wastewater Treatment plant to replace Ma'alaea's 24 injection wells which harm the ecosystem of Ma'alaea Bay. The proposed treatment and reclamation facility is an environmentally and economically sound endeavour with many value added benefits (firebreaks, irrigation, fertilizer for proposed sustainable farming) resulting from reuse of the treated wastewater and biomass. The Ma'alaea community urges your support of funding for this project, which will protect Ma'alaea Bay and benefit all of Maui.

Guest User

Location:

Submitted At: 9:59am 04-15-22

I am Zoltan Milaskey, Founder of Mana Energy, and I am testifying on BFED-1 in support of Maui Economic Development Boards Economic Development Grant under the Maui County Office of Economic Development. We are a local technology company that develops a software platform to track and manage solar PV systems. Our software is used locally and nationally and as far away as the Caribbean. I am traveling now, so I am submitting written testimony in support of MEDB. Over the past couple of years MEDB has reached out and provided support to our company helping us grow and provide our services in the renewable energy space. During the worst of the COVID pandemic they provided us guidance on how to get support/funding. Most recently they encouraged us to pursue federal opportunities through SBIR, a program that funds a diverse portfolio of startups and small businesses across technology areas and markets to stimulate technological innovation. During this process we applied into the Department of Energy's Made in America Solar program, and we're awarded a prize for Grid Integration from DOE/National Renewable Energy Laboratory to further our work in Solar+EV Charging. As a direct result we were able to bring on 3 new hires locally. One Kamehameha grad, back from college with an interest in software. Another individual who recently graduated UH and a third individual that we trained and are supporting to grow with our company. MEDB's work and support provides local technology companies such as Mana a resource to pursue initiatives that otherwise may be unattainable.

Guest User

Location:

Submitted At: 5:37pm 04-14-22

I am Shia Bush and I am testifying on BFED-1 in support of the Maui Economic Development Board's Economic Development Grant under the Maui County Office of Economic Development. I had the opportunity of being a part of the STEMworks Ag Internship Program on the island of Moloka'i. I was a part of this internship from September until December of 2021, and during this time I was also taking online college courses, which encouraged me to go outside more. Having this opportunity helped me learn about the Hawaiian moon calendar, and make plant cuttings, I learned how to grow and care for native Hawaiian plants, and I got to meet new people. Working on the farm I was able to take many fresh vegetables, fruits, and plants home which influenced me to begin growing a few plants in my own backyard. This internship has also given me an insight into the agriculture field and the homestead lifestyle. The STEMworks Ag Internship Program allows students to have hands-on experience and to learn more about agriculture from a mentor and the style of how they run their operations. I am very thankful for the experience and knowledge that I have gained from the STEMworks Ag Internship Program.

Guest User

Location:

Submitted At: 5:06pm 04-14-22

I am Shia Bush and I am testifying on BFED-1 in support of the Maui Economic Development Board's Economic Development Grant under the Maui County Office of Economic Development. I had the opportunity of being a part of the STEMworks Ag Internship Program on the island of Moloka'i. I was a part of this internship from September until December of 2021, and during this time I was also taking online college courses, which encouraged me to go outside more. Having this opportunity helped me learn about the Hawaiian moon calendar, and make plant cuttings, I learned how to grow and care for native Hawaiian plants, and I got to meet new people. Working on the farm I was able to take many fresh vegetables, fruits, and plants home which influenced me to begin growing a few plants in my own backyard. This internship has also given me an insight into the agriculture field and the homestead lifestyle. The STEMworks Ag Internship Program allows students to have hands-on experience and to learn more about agriculture from a mentor and the style of how they run their operations. I am very thankful for the experience and knowledge that I have gained from the STEMworks Ag Internship Program.

Susan Douglas

Location:

Submitted At: 2:07pm 04-14-22

Re: Mayor's Proposed Budget, funding needs and other needed amendments to that document, in particular The

Maalaea Wastewater Reclamation System. Maui County Councilmember Kelly King proposed last week that the County include the \$9.5 million to build the Maalaea Wastewater Reclamation System in the Maui County Fiscal Year 2023 Budget. We ask the County to take the bold step of approving the \$9.5 million for this facility now, so it can be operational within 3 years. We need to act now for our coral reefs.

Guest User

Location:

Submitted At: 10:07am 04-14-22

Re: Testimony in Strong Support of Funding for the Halau of Iwi Art (“HOA”)

Aloha mai k Kou,

My name is So-One Hwang, and I am a resident of Kahului. My daughter and I are members of the Halau Kekuakala`au`ala`iliahi under Na Kumu Iliahi and Haunani Paredes. Mahalo for the opportunity to testify in strong support of funding for the Halau of Iwi Arts in the proposed FY 2023 budget.

Halau of Iwi Art would honor the immeasurable labor of love that Kumu Hula have given to our community and would make it possible for them to increase their impact. My daughter and I dance Hula because it brings us joy to celebrate and honor where we live, to belong to our Halau ohana, and to move in unison with others. We recognize the importance of making such opportunities more widely available through the Halau of Iwi Art.

Over many decades, Halau Hula and Kumu Hula have contributed to our community. Cultural practitioners like Kumu Hula are experts and leaders of our community. They recognize the importance of environmental stewardship, educate ohana from keiki to k puna, tell and celebrate the stories of our home, sing of its beauty, and bring both joy and pride to our larger community. The Halau of Iwi Art would provide long-overdue support for the culture and practitioners that make our home so special.

Hula – a constitutionally protected traditional and customary practice – is not only integral to K naka Maoli, but the culture of Maui County, as well. It is a nexus for so many of our Iwi arts and practices to thrive. An investment in Hula is ultimately an investment in community. Providing a space dedicated to and designed through the lens of Hula creates a visible and reliable space for education, performance, preservation, and excellence of art and culture in our own home. Further, as a cultural center for our community and the world, the Halau of Iwi Art will foster pilina, inspire connection, and uphold cultural excellence. This space is not only an investment for the near future but will have lasting impacts on our community identity for generations to come. Mahalo for your service to our island home. Please vote to support full funding of the Halau of Iwi Art.

Mahalo nui,

So-One Hwang

Bobbie Best

Location:

Submitted At: 4:23pm 04-13-22

Please fund the proposed Maalaea Wastewater Reclamation System to save reefs and stop polluting the ocean. Injection wells are outdated and Membrane Bioreactors are a reasonably priced and fast to install, relatively, solution, plus the Federal Infrastructure Bill can provide the remaining money after Councilwoman Kelly King's proposed \$9.5 million is used. The land has been pledged away from shoreline. This is the perfect solution and time to begin to ameliorate the problem of injection wells in Maalaea. Mahalo.



UPDATED - Appeal for County of Maui Fiscal Year 2023 Investment
Preliminary Engineering Report (PER) Design Study
Kahului Wastewater Reclamation Facility Ultraviolet Light Disinfection System Installation

April 16, 2022

SUMMARY 1
BACKGROUND 2
GEOGRAPHIC COVERAGE..... 3
SCOPE OF WORK 3
PROJECT STAKEHOLDERS..... 4
MEASURE OF EFFECTIVENESS..... 4
PRELIMINARY COST ESTIMATE..... 4
APPENDIX A DRAFT MUNICIPAL WASTEWATER DISINFECTION LEGISLATION BILL 52 FROM COUNCIL MEMBER KELLY KING 4
APPENDIX B COUNTY OF MAUI DEM FOIA REQUEST RESPONSE CITING UV DISINFECTION COST IN KAHULUI 5
APPENDIX C EXCERPT FROM THE NEW ONLINE EDUCATION SYSTEM FLUSHAWARE.COM DESCRIBING KAHULUI DISCHARGES 5

Summary

This document comprises a formal request by the people of Maui to the County of Maui for FY2023 funding of approximately \$10-20k to pay for a Preliminary Engineering Report (PER) design study to establish an actionable cost to install ultraviolet light wastewater disinfection capability to treat all of the secondary effluent discharging into nearshore injection wells next to Kanaha Beach Park from the Kahului-Wailuku Wastewater Reclamation Facility, to mitigate the risk of infected wastewater currently flowing into nearshore recreation areas during a present or future global pandemic.

Kahului is the largest population center in Maui and is located on the island's north shore. As one of the last places to find affordable housing, Maui's largest town is known to be a place of many hard working locals, whose closest beach is at **Kanaha Beach Park**, which is directly adjacent to the injection well plume mapped in a **2016 publication by Dr. Amato et al** from UH Manoa. In 2018, the County of Maui Department of Environmental Management ceased chlorine disinfection of injected secondary wastewater at the Kahului-Wailuku municipal Wastewater Reclamation Facility. Since 2018, the approximately 5,000,000 gallons per day of effluent discharged into nearshore injection wells near Kanaha Park has routinely been measured to have fecal *coliform* counts of colony forming units to exist at levels above the detection limit for the test, or greater than 2419.6 Most Probable Number of colony forming units with the ability to infect per 100 mL of water. See Appendix C for detailed injected fecal *coliform* data, which indicates that the over 30 disease forming pathogens associated with wastewater **identified by the U.S. National Institutes of Health** may be present in the effluent. High bacteria levels are routinely measured in bodies of water near the injection well plume, such as **Kahului Harbor** and **Kanaha Beach Park**. In the publication by Dr. Early, **Risk Factors for Community-Associated Staphylococcus aureus Skin Infection in Children of Maui**, the authors noted that, "Children and Pacific Islanders are particularly vulnerable to CA-MRSA infection." Councilmember Kelly King has developed draft legislation Bill 52 shown in Appendix A that would require disinfection of all municipal wastewater discharged. A FY2023 budgetary allocation by the County of Maui for DEM to develop a Preliminary Engineering Report on installing UV at Kahului WWRF to mitigate the biohazard risk of infected wastewater would pair nicely with new County legislation Bill 52 requiring 100% disinfection.

The people of Maui would like to see 100% disinfection of municipal wastewater discharged into nearshore recreation areas via injection wells and ground water. The County FY2023 budget is the appropriate mechanism to invest in an incremental step toward realizing the capability with a Preliminary Engineering Report to establish a solid cost for installation of UV disinfection in Kahului.

The general target population to be served is the population of individuals who spend time swimming or surfing, exposed to infected effluent near Kanaha and Kahului Harbor, and all the beneficiaries of a healthy, sustainable and thriving 'Aina and Kai.

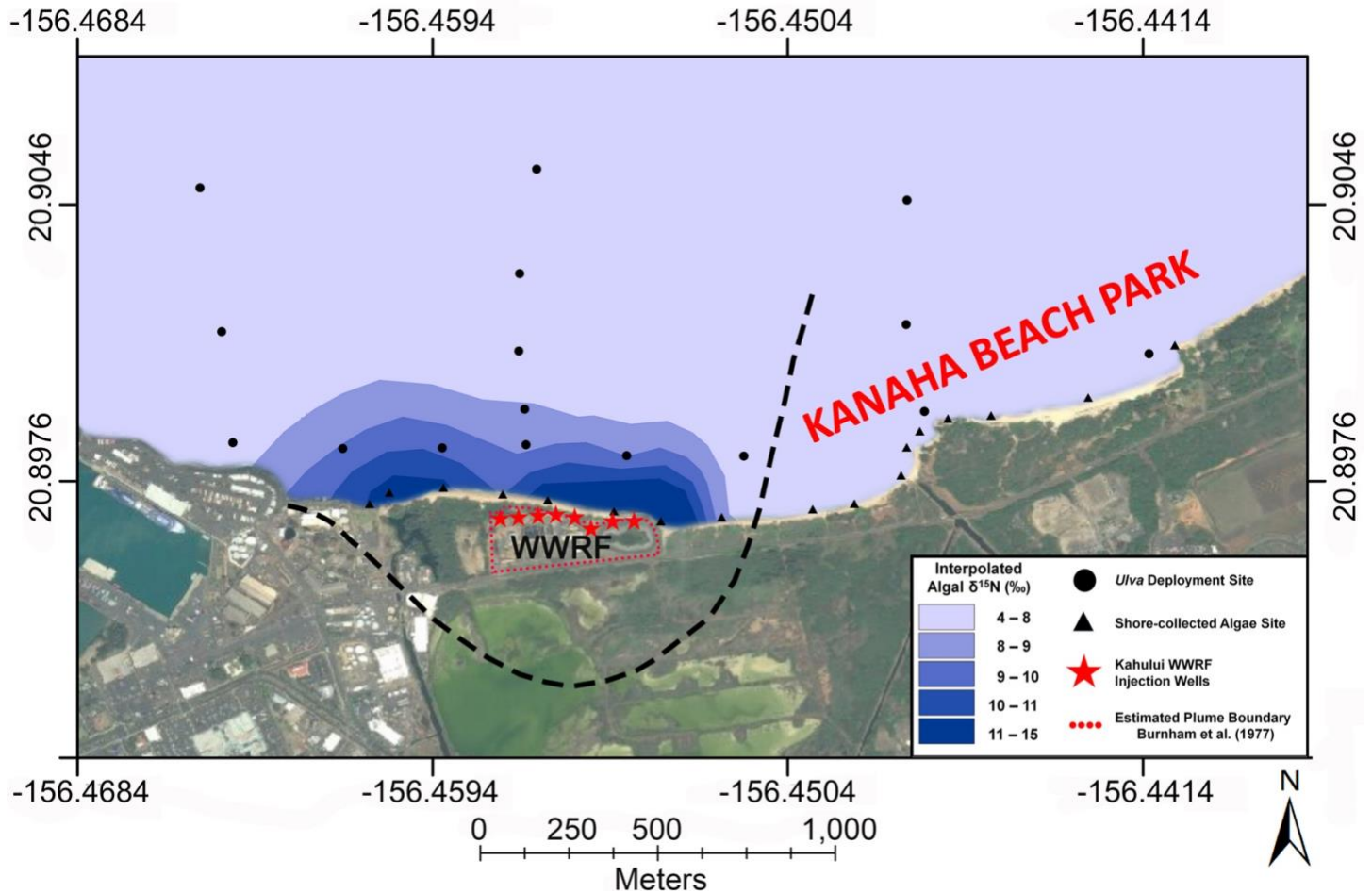
Background

Wastewater flowing from the Maui County municipal wastewater reclamation facility in Kahului does not undergo a disinfection treatment step before discharge into nearshore injection wells that flow into recreation areas like Kanaha Beach Park. The County stopped disinfection of injected wastewater from Kahului in 2018.

Without any treatment step like UV disinfection, injected wastewater flowing into nearshore recreation areas like Kanaha Beach Park in Kahului places swimmers directly in harm's way. Bacterial monitoring at nearby sites proves this risk. Conditions that make a person more susceptible to contracting a water borne illness from infected wastewater include eczema or any condition that gives rise to breaks in the skin, HIV/AIDS, lymphedema, prednisone treatment, chemotherapy, pregnancy and old age.

Geographic Coverage

The geographic location and extent of the Kahului-Wailuku WWRF infected injection well plume in close proximity to Kanaha Beach Park and the Kahului Harbor nearshore recreation areas, is shown in plots of marine macroalgae $\delta^{15}\text{N}$ associated with wastewater treatment shown in Figure 5 from [Amato 2016](#), below.



Scope of Work

The funding request, if approved, will task the County of Maui Department of Environmental Management to develop a Preliminary Engineering Report (PER) describing an installation UV disinfection capability for injection well discharges at the Kahului WWRF as described in the [2015 Brown & Caldwell report](#). Table 6-3 shows the specification for a 55% UVT treatment capability system that DEM will be responsible to characterize in a PER. The County of Maui Department of Environmental Management has estimated the cost of adding a new UV disinfection channel in Kahului at \$6 million, shown in their FOIA response in Appendix B. A PER to refine this projection is expected to cost \$10-20k.

This biohazard needs mitigation funding now and cannot wait any longer as the effluent is downright dangerous (see Appendix C).

Project Stakeholders

Maui Island community members are the beneficiaries in this project. They will enjoy the benefits of 100% municipal wastewater disinfection with fewer infections and associated medical treatments or death.

We need to recognize that our **North Maui nearshore environment** has rights and honor them.

Native Hawaiian Community indigenous rights have to be recognized and respected as a part of any planning and use discussions for any geographic area in Hawaii Nei. A diverse set of other stakeholders also include beach users, fishermen, snorkelers, wind surfers, boaters, local businesses, etc. All depend on the health and future sustainability of the nearshore waters of Maui's North Shore.

The County of Maui **Department of Environmental Management** has a sacred duty to uphold the public trust by actively working to prevent any instance in which a swimmer or surfer interacts with municipal wastewater in the nearshore environment, without first treating that effluent with a reef-safe disinfection step like ultraviolet light wastewater disinfection.

Measure of Effectiveness

The measure of effectiveness of the program will be quantified progress in reducing the current quantity of the estimated **448 BILLION** fecal *coliform* indicator bacteria injected per day into nearshore municipal injection wells in Kahului. The Key Performance Indicator that will enable us to determine that the project is a "success" will be the decreasing numerical quantity of fecal *coliform* colony forming units discharged.

Preliminary Cost Estimate

Freedom of Information Act request responses from the County of Maui Department of Environmental Management shown in Appendix B state an estimated cost to install ultraviolet light wastewater disinfection capability for 100% of the injected secondary wastewater effluent in Kahului is approximately \$6,000,000. Presently, the County of Maui DEM does not plan to invest in UV disinfection in Kahului **until FY2026**. County of Maui FY2023 budget allocation funding is needed to immediately initiate the process to install UV disinfection in Kahului. A new FOIA response places the estimated cost of a Preliminary Engineering Report that is needed to estimate the cost of installing UV in Kahului at \$10-20k. This would be an appropriate moderate investment by the Council in their FY2023 budget that will move the community incrementally toward 100% municipal wastewater disinfection in Maui.

Appendix A Draft municipal wastewater disinfection legislation Bill 52 from Council Member Kelly King

Anticipated Bill 52 CD1 language:

"Municipal wastewater effluent discharged or reused by the County must meet Hawaii state R-1 reuse standards for fecal coliform bacteria; the County must allocate sufficient funding for the implementation of this subsection so that its implementation does not cause any increases in sewage rates for residents."

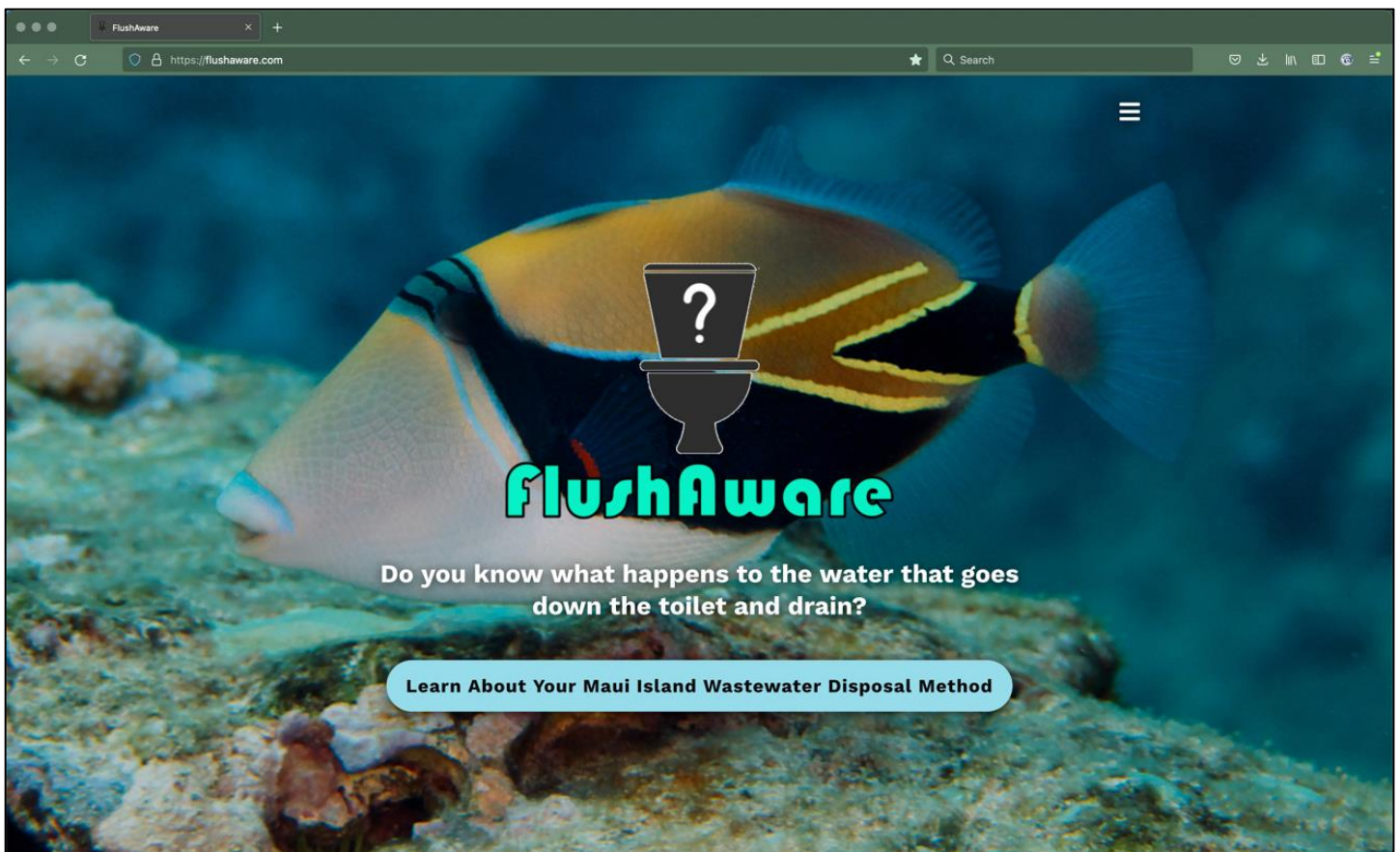


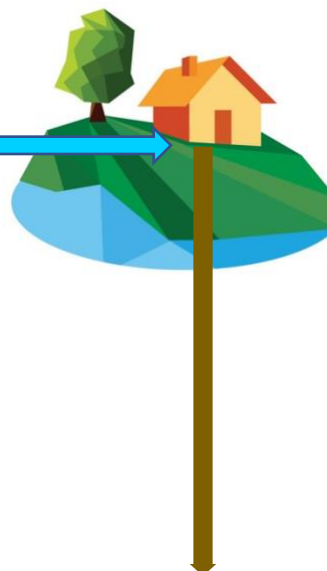
Wailuku-Kahului Wastewater Reclamation Facility (WWRF) Upgrade to R-1 (CBS-1169)

The plan to upgrade the Kahului/Wailuku WWRF to R-1 is only in the preliminary planning stages. We do not have any preliminary plans, or formal cost estimates at this time. The preliminary estimate in the six year CIP was based on the one channel expansion in Lahaina that cost approximately \$6 million. An actual cost estimate will be prepared once we get closer to design contracts.

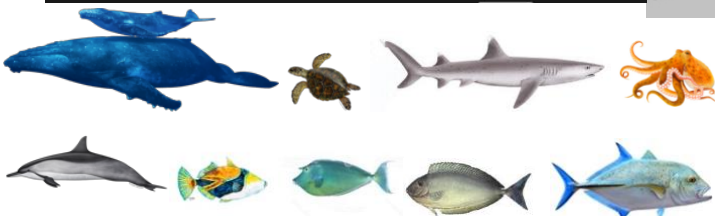
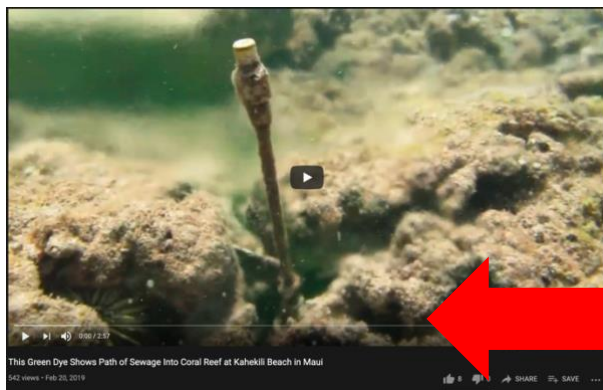
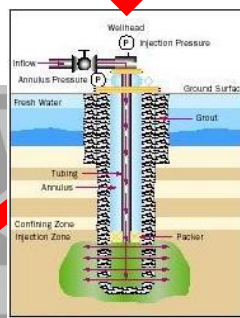
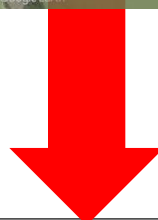
We have listed it as a potential project on our six year Capital Improvement Program. At this point in time it is not required until the recycled water force main (CBS-1171) and pump station (CBS-5034) projects are constructed to transfer water to the central valley and the water could be used by customers. These other projects are also on the six year schedule and have design contracts issued and the EIS is in process. The current time line is our best estimate, it is not required to be completed by FY2028. It is dependent on other projects as well as other approvals (mayor's office, County Council, etc.) Note that funding for projects is only approved on a year to year basis during the County Budget process.

Appendix C Excerpt from the new online education system [FlushAware.com](https://flushaware.com) describing Kahului discharges





1. Drinking water is transported from the rivers and groundwaters of Na Wai Eha, Maui's Four Great Waters of West Maui, to Kahului and Wailuku, where it enters the resident's home and is used for household activities and flushed down the toilet or drain.
2. Untreated wastewater is conveyed through sewer mains to the Kahului-Wailuku Wastewater Reclamation Facility, then the water is treated to "**secondary**" standards.
3. A small portion (10%) is **chlorine disinfected** and is pumped to in-plant irrigation and industrial uses within the facility, the vast majority (90%) remains **infected** with pathogens and discharges as **R-3** into nearshore injection wells.
4. The **infected** injected wastewater flows through groundwater toward the Pacific Ocean, where it emerges often through the reef itself, via openings that present as direct pathways from the wastewater treatment plant to the reef, similar to the flow shown with green dye in the video below.



fecal coliform

LIST OF PATHOGENIC (ILLNESS-CAUSING) LIFE FORMS COMMONLY FOUND IN INFECTED WASTEWATER, SUCH AS R-3 INJECTED IN KIHEI AND KAHULUI

The list of pathogenic microbial species commonly found in non-disinfected wastewater is long and alarming, shown in the [U.S. NIH list](#) below.

[Respiratory infections such as COVID-19](#) and [skin infections](#) can be caused by water borne pathogens.

The major pathogens of concern in municipal wastewater and diseases or illness associated with them:

<u>Name of pathogen</u>	<u>Major disease or symptoms</u>
Bacteria	
Campylobacter jejuni	Gastroenteritis
Escherichia coli	Gastroenteritis
Salmonella spp.	Salmonellosis, typhoid, paratyphoid
Shigella spp.	Bacillary dysentery
Staphylococcus	Skin Infections, bacteremia, toxic shock syndrome, septic arthritis
Streptococcus	Cellulitis, Pink eye, meningitis, pneumonia, endocarditis, necrotizing fasciitis
Vibrio cholerae	Cholera
Yersinia spp.	Gastroenteritis
Viruses	
Adenovirus	Upper respiratory infection and gastroenteritis
Astrovirus	Gastroenteritis
Coxsackie virus	Meningitis, pneumonia, fever
Echovirus	Meningitis, paralysis, encephalitis, fever
Hepatitis virus	Infectious hepatitis, miscarriage, and death
Human calicivirus	Epidemic gastroenteritis with severe diarrhea
Polio virus	Poliomyelitis
Reovirus	Respiratory infections, gastroenteritis
Rotavirus	Acute gastroenteritis with severe diarrhea
TT hepatitis	Hepatitis
COVID-19	Acute respiratory illness
Protozoa	
Balantidium coli	Balantidiasis
Cryptosporidium spp.	Cryptosporidiosis
Entamoeba histolytica	Acute amoebic dysentery
Giardia duodenalis	Giardiasis
Toxoplasma gondii	Toxoplasmosis
Helminths	
Ascaris lumbricoides	Ascariasis
Ascaris suum	Coughing and chest pain
Hymenolepis nana	Hymenolepiasis
Necator americanus	Hookworm disease
Taenia saginata	Insomnia, anorexia
Taenia solium	Insomnia, anorexia
Toxocara canis	Fever, abdominal pain, muscle ache
Trichuris trichiura	Diarrhea, anemia, weight loss

WASTEWATER CONTAINS PATHOGENS THAT CAUSE DISEASE IN MARINE LIFE

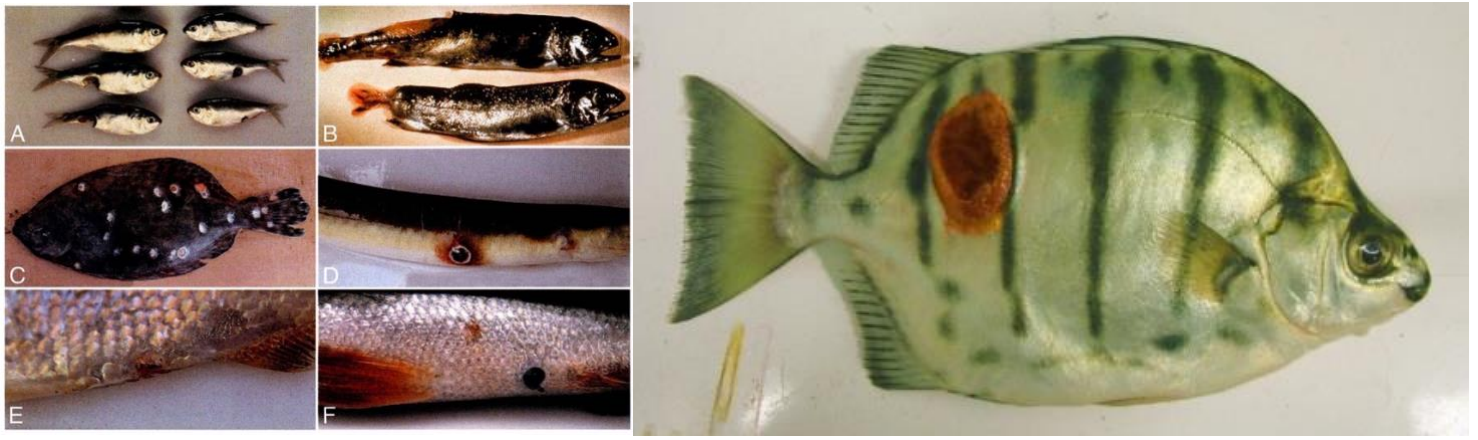
Land-based pollution is a contributor to reef degradation, show here in Ma'alaea, Maui



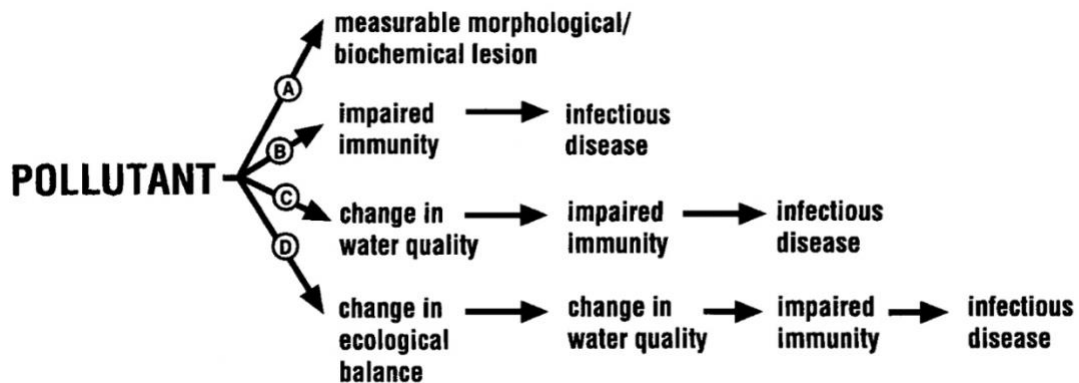
Kihei, Maui, has been called a "ground zero" for fibropapillomatosis, a disease that is caused by a herpes virus and manifests as tumors in turtles. The virus is injected into the environment, and green sea turtles ingest invasive ocean algae, fed by excess nitrogen found in injected wastewater in Kihei, causing the growth of the tumors, a leading cause of death of the endangered species.



Infectious fish ulcers are a global phenomenon that can be traced to pollution sources like infected wastewater.



Pollution loading leads to infectious fish ulcers by way of several vectors.



The coral itself is affected by land-based pollution.

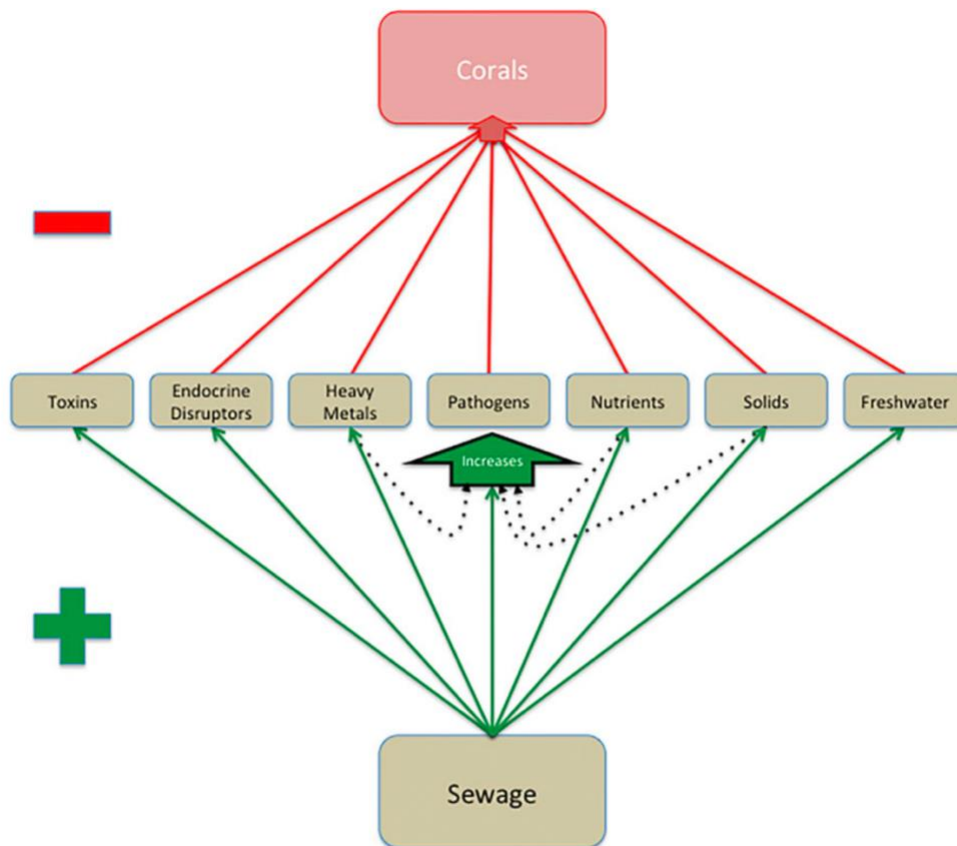
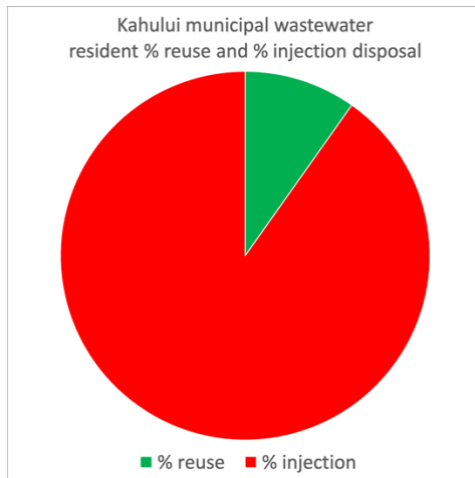


Figure 1. Interaction diamond illustrating impacts of sewage on concentrations of known stressors to corals and the positive feedbacks those stressors can have.



On average, about 90% of resident wastewater is discharged into nearshore injection wells at the Kahului Wastewater Reclamation Facility, while about 10% is used for in-plant recycling. Detailed County of Maui plant flow reports [here](#).

Ave. 2020 total flow (MGD)	Ave. 2020 reuse flow (MGD)	Ave. 2020 injection flow (MGD)	2020 injected TN (mg/L)	2020 injected TP (mg/L)
5.37	0.53	4.85	10.27	3.03

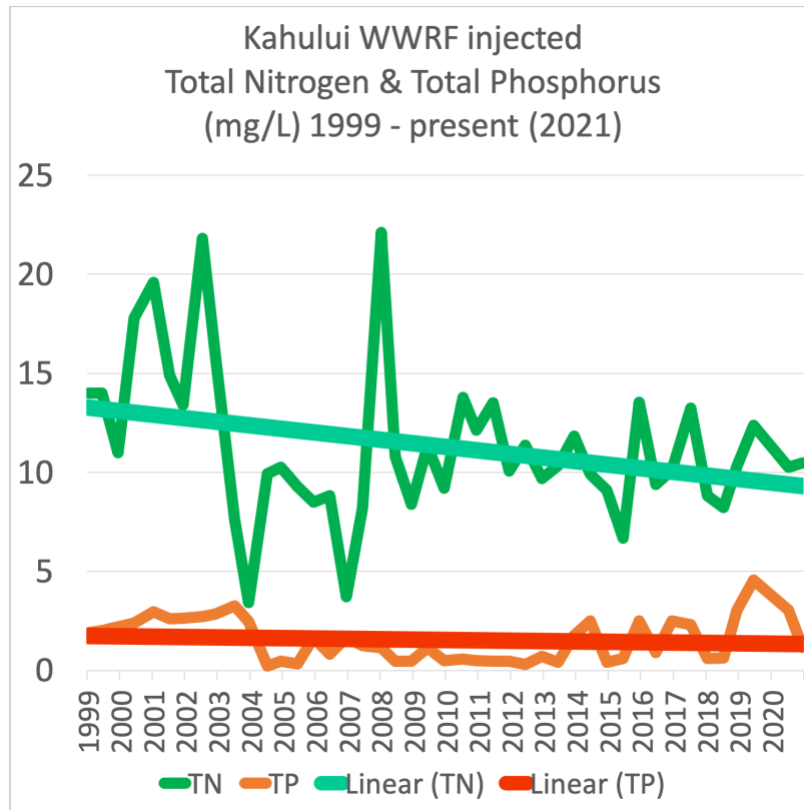
The average daily plant flow at the Kahului Wastewater Reclamation Facility in 2020 was over 5 MGD, reuse was about 0.5 MGD, and average injection over 4.8 MGD. Total Nitrogen in the same period was over 10 mg/L and Total Phosphorous was over 3 mg/L. Detailed UIC water quality and County of Maui plant flow reports [here](#).

inj. nutrients / census resident / year (lbs/year)	inj. wastewater / census resident / year (gallons/year)	inj. wastewater / census resident / day (gallons/day)
4.0	36,389	100

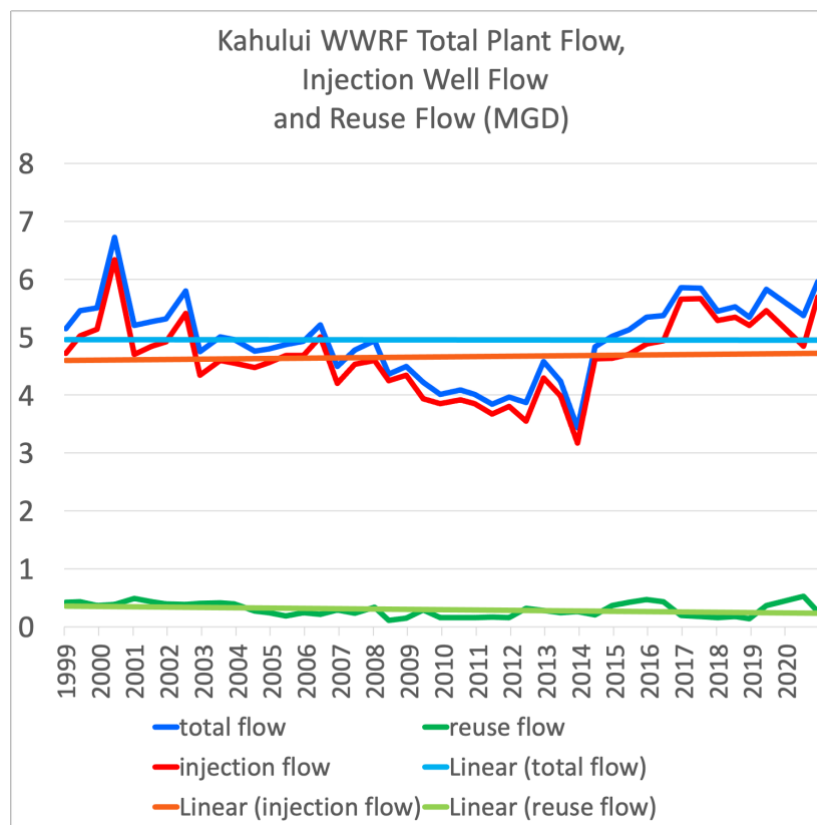
The total estimated nutrient mass injected per census resident per year at the Kahului Wastewater Reclamation Facility is about 4 pounds of dissolved nutrients per year. Each resident contributes about 36K gallons to injection per year in Kahului, averaging about 100 gallons per resident per day. Detailed UIC water quality and County of Maui plant flow reports [here](#).

	injected <i>coliform</i> cell counts (MPN/100mL)		total inj. <i>coliform</i> cell counts / resident (MPN/year)
>	2419.6	>	3,332,923,119

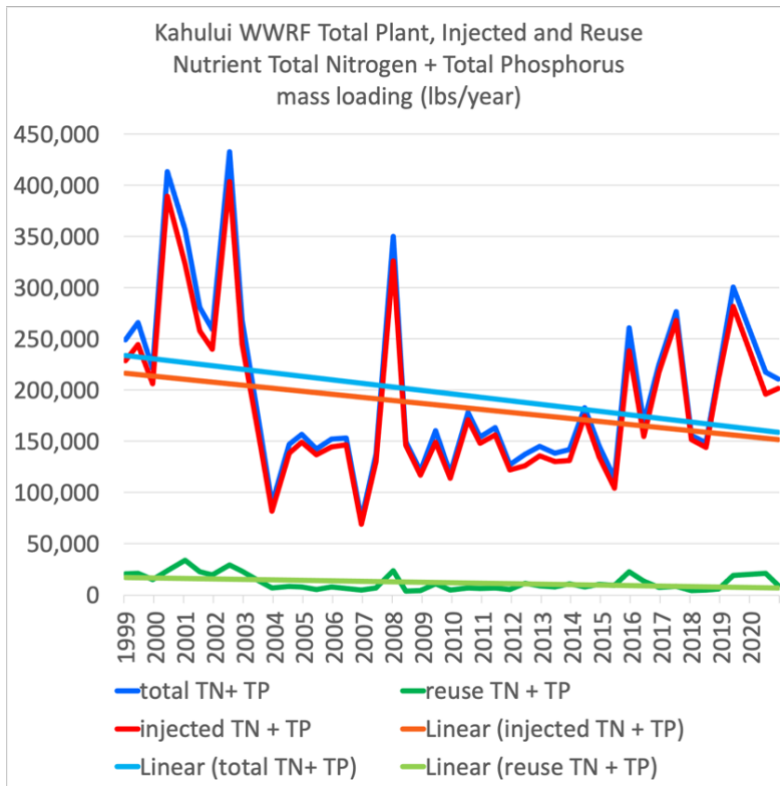
Injected fecal *coliform* Most Probable Number of colony forming (infection forming) units is recently measured at above 2419.6 per 100 mL, which is above the detection limits for the test used. Total injected fecal *coliform* colony forming units per census resident is over 3 Billion cells per year. Detailed UIC water quality and County of Maui plant flow reports [here](#).



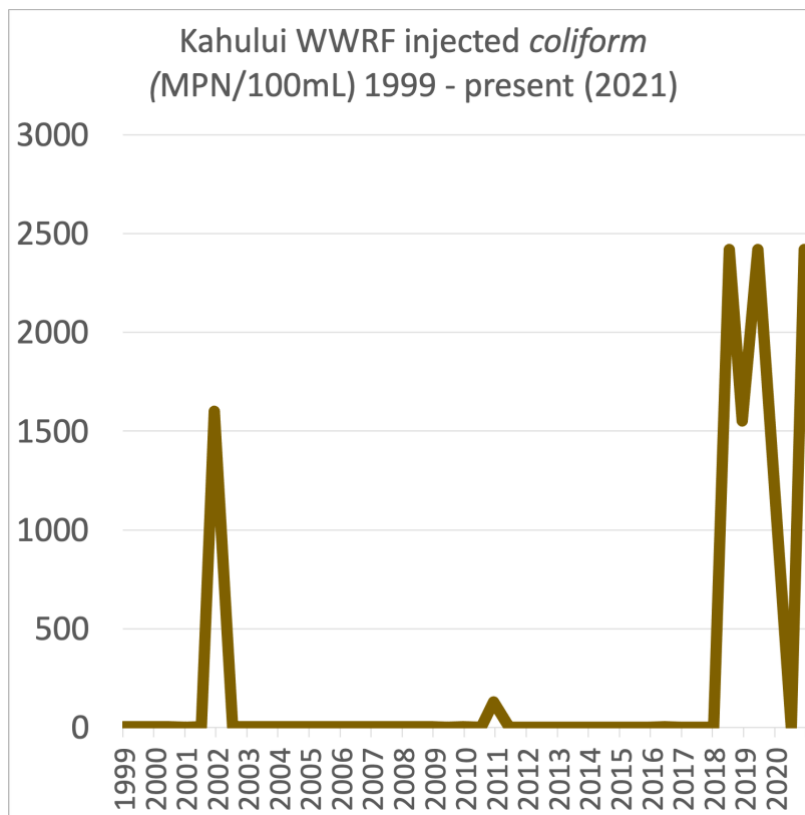
Injected nutrient concentrations in Kahului from 1999-2021 showed a slight downward trend in Total Nitrogen ending up around 10 mg/L. Total Phosphorus trends are steady over the years around 2 mg/L. Detailed UIC water quality and County of Maui plant flow reports [here](#).



Injected flowrates in Kahului from 1999-2021 shows an average plant flow of about 5 MGD. and < 0.5 MGD reuse, with over 4.5 MGD of infected wastewater going to nearshore injection wells. Detailed UIC water quality and County of Maui plant flow reports [here](#).



From 1999-2021 the Kahului Wastewater Reclamation Facility showed an overall decline in total plant nutrient mass discharged and nutrient mass injected, down to about 150,000 lbs. or about 75 tons of dissolved nutrients per year as Nitrogen and Phosphorus. Detailed UIC water quality and County of Maui plant flow reports [here](#).



Fecal *coliform* cell counts from 1999-2021 shows injected municipal wastewater in Kahului appears to have been consistently disinfected until around 2018, after which fecal *coliform* cell counts are routinely measured above the testing detection limit of 2419.6 Most Probable Number of colony-forming (or infection forming) units per 100mL of wastewater. Detailed UIC water quality and County of Maui plant flow reports [here](#).

Kahului-Wailuku Municipal Wastewater Reclamation Facility						
Underground Injection Control compliance monitoring report summary						
1999-2021 data set						
drive.google.com/drive/folders/1B3p6fc8rnKI0NtzuUfMXsxQaXj17-CIT						
	<i>total flow</i>	<i>reuse flow</i>	<i>injection flow</i>	Total Nitrogen	Total Phosphorus	<i>coliform</i>
date	MGD	MGD	MGD	mg/L	mg/L	MPN/100mL
6/14/99	5.147	0.424	4.723	14	1.9	< 2
11/17/99	5.458	0.437	5.021	14	2	< 2
5/17/00	5.507	0.37	5.137	10.99	2.2	< 2
11/27/00	6.725	0.385	6.34	17.8	2.38	< 2
6/7/01	5.2	0.493	4.707	19.6	2.95	no data
12/11/01	5.274	0.431	4.843	14.9	2.6	2
5/23/02	5.317	0.4	4.917	13.4	2.63	> 1600
12/27/02	5.799	0.39	5.409	21.8	2.72	< 2
5/28/03	4.752	0.407	4.345	15.7	2.84	< 2
12/17/03	5.009	0.413	4.596	7.62	3.26	< 2
5/7/04	4.954	0.399	4.555	3.41	2.48	< 2
12/7/04	4.756	0.277	4.479	9.93	0.22	< 2
5/26/05	4.802	0.24	4.562	10.27	0.46	< 2
11/15/05	4.875	0.189	4.686	9.29	0.327	< 2
5/15/06	4.933	0.249	4.684	8.49	1.65	2
11/27/06	5.217	0.213	5.004	8.83	0.81	< 2
5/11/07	4.495	0.289	4.206	3.71	1.67	< 2
11/9/07	4.776	0.238	4.538	8.19	1.25	< 2
6/13/08	4.939	0.338	4.601	22.12	1.15	2
11/13/08	4.364	0.111	4.253	10.81	0.47	< 2
5/27/09	4.496	0.154	4.342	8.38	0.46	< 2
11/25/09	4.225	0.291	3.934	11.34	1.13	< 1.8
05/10/10	4.016	0.162	3.854	9.2	0.5	2
12/03/10	4.085	0.161	3.924	13.77	0.56	< 1.8
05/26/11	4.016	0.162	3.854	12.14	0.5	130
11/30/11	3.842	0.167	3.675	13.52	0.47	< 1.8
05/24/12	3.964	0.161	3.803	10.06	0.47	< 1.8
11/30/12	3.868	0.317	3.551	11.38	0.3	< 1.8
05/14/13	4.581	0.281	4.3	9.69	0.7	< 1.8
11/14/13	4.237	0.249	3.988	10.33	0.41	< 1.8
05/22/14	3.441	0.266	3.175	11.82	1.76	< 1.8
11/14/14	4.839	0.21	4.629	9.9	2.5	< 1.8
05/08/15	5.011	0.37	4.641	9.1	0.42	< 1.8
11/16/15	5.127	0.423	4.704	6.69	0.6	< 1
05/26/16	5.348	0.467	4.881	13.53	2.5	< 1
11/18/16	5.376	0.433	4.943	9.4	0.9	4.1
05/30/17	5.856	0.194	5.662	10.12	2.5	no data
12/27/17	5.85	0.179	5.671	13.23	2.3	no data
06/06/18	5.447	0.155	5.292	8.81	0.6	< 1
12/03/18	5.523	0.178	5.345	8.23	0.62	> 2419.6
05/23/19	5.345	0.145	5.2	10.31	3.05	1553.1
11/08/19	5.828	0.367	5.461	12.38	4.56	> 2419.6
12/09/20	5.373	0.526	4.847	10.27	3.03	no data
05/13/21	5.956	0.264	5.692	10.47	1.17	> 2419.6

This data summary table shows nutrient concentrations, fecal *coliform* cell counts, and flowrates for the total plant, reuse and injection for the Kahului-Wailuku Wastewater Reclamation Facility, during the biannual months when the Underground Injection Control Program with the Safe Drinking Water Branch requires testing. Detailed UIC water quality and County of Maui plant flow reports [here](#).



Reef Power LLC

a Maui small business, presents:

“Rationale for investment in ultraviolet light disinfection of injection well wastewater discharges from the Kahului Wastewater Reclamation Facility.”
(Related to Bill 52 – a proposed Maui County law that requires all municipal wastewater discharges meet state R-1 reuse standards for fecal *coliform*.)



Maui County Council
6:00 p.m. April 14, 2022

Maui's reefs are in trouble!



Maui Island Underground Injection Control Program Permittee Summary

Injection Well UIC Permittee	Injected flow/day	Injected TN concentration	Injected TP concentration	Total injected nutrients / year	Injected <i>coliform</i> cell counts
	(gallons/day)	(mg/L)	(mg/L)	(lbs/year)	(MPN/100mL)
Lahaina WWRF	2,948,000	6.28	0.216	58,295	< 1
Kihei WWRF	1,817,000	11.55	2.41	77,215	248.9
Kahului WWRF	5,692,000	10.47	1.17	201,686	> 2419.6
Hono Kai	7,500	24.4	2.95	624	≅ 1600
Island Sands	11,000	12.9	4.9	596	2
Ka Nai A Nalu	18,000	24.6	4.58	1,599	< 2
Lauloa	10,000	21.6	3.98	779	17
Ma'alaea Banyans	7,485	25.5	5.28	701	< 20
Ma'alaea Kai	6,500	11.9	1.82	271	16000
Ma'alaea Mermaid	4,200	26.9	3.7	391	< 2
Ma'alaea Triangle	15,000	16.5	0.925	796	< 1
Ma'alaea Yacht	9,500	34.5	3.78	1,107	4
Makani A Kai	6,000	10.59	1.4	219	≅ 1600
Milowai	8,500	40.8	9.75	1,308	17
TOTAL:	10,560,685			345,588	

Lahaina has enjoyed 100% UV disinfection of injection well and reuse discharges since 2015

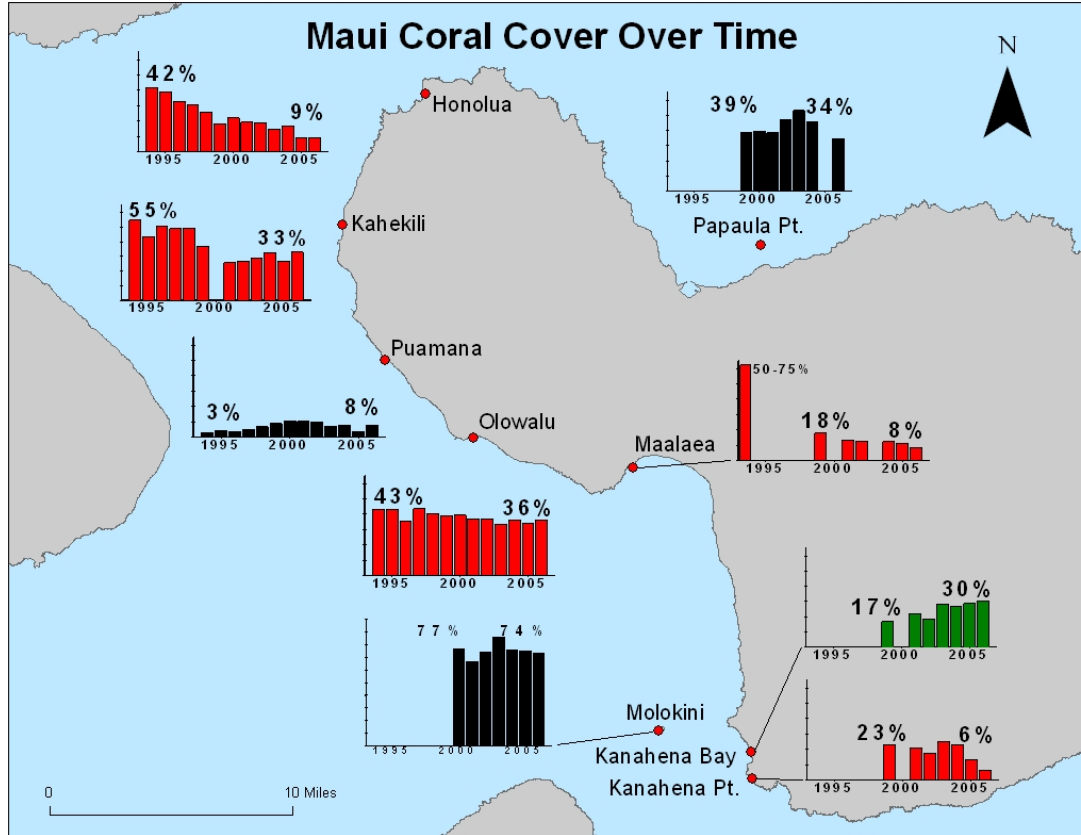
Maui County DEM states 100% UV for Kihei injection well and reuse discharges finished Summer 2022

\$9.5 mil for Ma'alaea Regional Wastewater Reclamation System eliminates 79% of UIC permittees

\$6 mil for UV disinfection of 5+ MGD discharging in Kahului would bring Maui County to 100% disinfection

Status of Maui's Coral Reefs

Maui Coral Cover Over Time



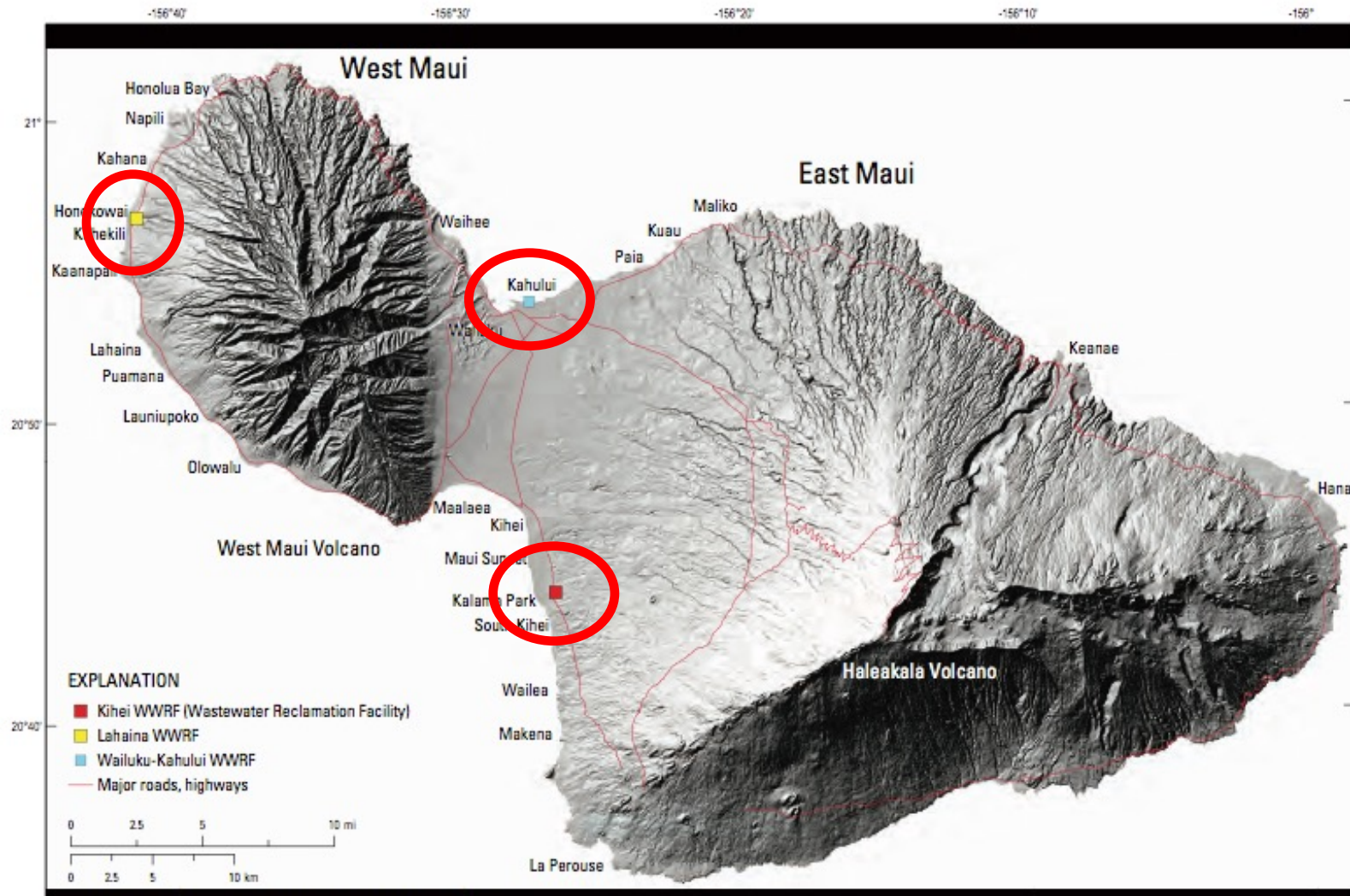
Case Study: Total System Collapse at Maalaea

The end result of reef degradation is evident at Maalaea Bay. In 1972, Maalaea coral reefs were described as being 'striking in their diversity and in the presence of rare corals species'. As late as 1993, estimated coral cover was 50-75% close to the site where cover is now 8%. Therefore, in just a few decades, the Maalaea reef has transformed from a healthy and diverse ecosystem into a badly degraded habitat overgrown by algae and with little surviving coral. One consequence of severe loss of living coral is that degrading reefs change from being actively-growing and structurally-complex habitats, into eroding and relatively flat areas which do not support abundant marine life. That process is well advanced at Maalaea, where fish stocks are now in very poor condition, being dominated by small wrasse, triggerfish and puffers. Given that the Maalaea reef is now a poor habitat for most grazing fishes, and that existing blooms of algae will continue to inhibit new coral growth, even in the best of circumstances (without water quality or fishing impacts), recovery of Maalaea would likely take many years.

[DLNR report link](#)

Trends in coral cover at 9 long-term monitoring stations. **Red** indicates >5% decline over monitoring period, **green** indicates >5% increase, **black** = no change (<5%)

Three municipal wastewater reclamation facilities in Maui inject 10+ millions of gallons per day.



Base from U.S. Geological Survey digital data (2004) at 1:24,000 scale, UTM Zone 4, NAD83 datum.



Video Link

Pause (k)

Subscribe

Syllabus

NOTE: Where it is feasible, a syllabus (headnote) will be released, as is being done in connection with this case, at the time the opinion is issued. The syllabus constitutes no part of the opinion of the Court but has been prepared by the Reporter of Decisions for the convenience of the reader. See *United States v. Detroit Timber & Lumber Co.*, 200 U. S. 321, 337.

SUPREME COURT OF THE UNITED STATES

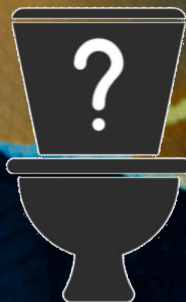
Syllabus

**COUNTY OF MAUI, HAWAII v. HAWAII WILDLIFE
FUND ET AL.****CERTIORARI TO THE UNITED STATES COURT OF APPEALS FOR
THE NINTH CIRCUIT**

No. 18–260. Argued November 6, 2019—Decided April 23, 2020

The Clean Water Act forbids “any addition” of any pollutant from “any point source” to “navigable waters” without an appropriate permit from the Environmental Protection Agency (EPA). §§ 301(a), 502(12), 86 Stat. 844, 886. The Act defines “pollutant” broadly, §502(6); defines a “point source” as “any discernible, confined and discrete conveyance . . . from which pollutants are or may be discharged,” including, *e.g.*, any “container,” “pipe, ditch, channel, tunnel, conduit,” or “well,” §502(14); and defines the term “discharge of a pollutant” as “any addition of any pollutant to navigable waters [including navigable streams, rivers, the ocean, or coastal waters] from any point source,” §502(12). It then uses those terms in making “unlawful” “the discharge of any pollutant by any person” without an appropriate permit. §301.

Petitioner County of Maui’s wastewater reclamation facility collects sewage from the surrounding area, partially treats it, and each day pumps around 4 million gallons of treated water into the ground through four wells. This effluent then travels about a half mile, through groundwater, to the Pacific Ocean. Respondent environmental groups brought a citizens’ Clean Water Act suit, alleging that Maui was “discharg[ing]” a “pollutant” to “navigable waters” without the required permit. The District Court found that the discharge from Maui’s wells into the nearby groundwater was “functionally one into navigable water,” 24 F. Supp. 3d 980, 998, and granted summary judgment to the environmental groups. The Ninth Circuit affirmed, stating that a permit is required when “pollutants are fairly traceable from the point source to a navigable water.” 886 F. 3d 737, 749.



FlushAware

Do you know what happens to the water that goes
down the toilet and drain?

Learn About Your Maui Island Wastewater Disposal Method

[FlushAware.com](https://www.FlushAware.com)

LIST OF PATHOGENIC (ILLNESS-CAUSING) LIFE FORMS COMMONLY FOUND IN INFECTED WASTEWATER, SUCH AS R-3 INJECTED IN KIHEI AND KAHULUI

The list of pathogenic microbial species commonly found in non-disinfected wastewater is long and alarming, shown in the [U.S. NIH list](#) below.

[Respiratory infections such as COVID-19](#) and [skin infections](#) can be caused by water borne pathogens.

The major pathogens of concern in municipal wastewater and diseases or illness associated with them:

<u>Name of pathogen</u>	<u>Major disease or symptoms</u>
Bacteria	
Campylobacter jejuni	Gastroenteritis
Escherichia coli	Gastroenteritis
Salmonella spp.	Salmonellosis, typhoid, paratyphoid
Shigella spp.	Bacillary dysentery
Staphylococcus	Skin Infections, bacteremia, toxic shock syndrome, septic arthritis
Streptococcus	Cellulitis, Pink eye, meningitis, pneumonia, endocarditis, necrotizing fasciitis
Vibrio cholerae	Cholera
Yersinia spp.	Gastroenteritis
Viruses	
Adenovirus	Upper respiratory infection and gastroenteritis
Astrovirus	Gastroenteritis
Coxsackie virus	Meningitis, pneumonia, fever
Echovirus	Meningitis, paralysis, encephalitis, fever
Hepatitis virus	Infectious hepatitis, miscarriage, and death
Human calicivirus	Epidemic gastroenteritis with severe diarrhea
Polio virus	Poliomyelitis
Reovirus	Respiratory infections, gastroenteritis
Rotavirus	Acute gastroenteritis with severe diarrhea
TT hepatitis	Hepatitis
COVID-19	Acute respiratory illness
Protozoa	
Balantidium coli	Balantidiasis
Cryptosporidium spp.	Cryptosporidiosis
Entamoeba histolytica	Acute amoebic dysentery
Giardia duodenalis	Giardiasis
Toxoplasma gondii	Toxoplasmosis

Risk factors for community-associated Staphylococcus aureus skin infection in children of Maui

[Gayle J Early](#) ¹, [Steven E Seifried](#)

Affiliations + expand

PMID: 22900237 PMCID: [PMC3419822](#)

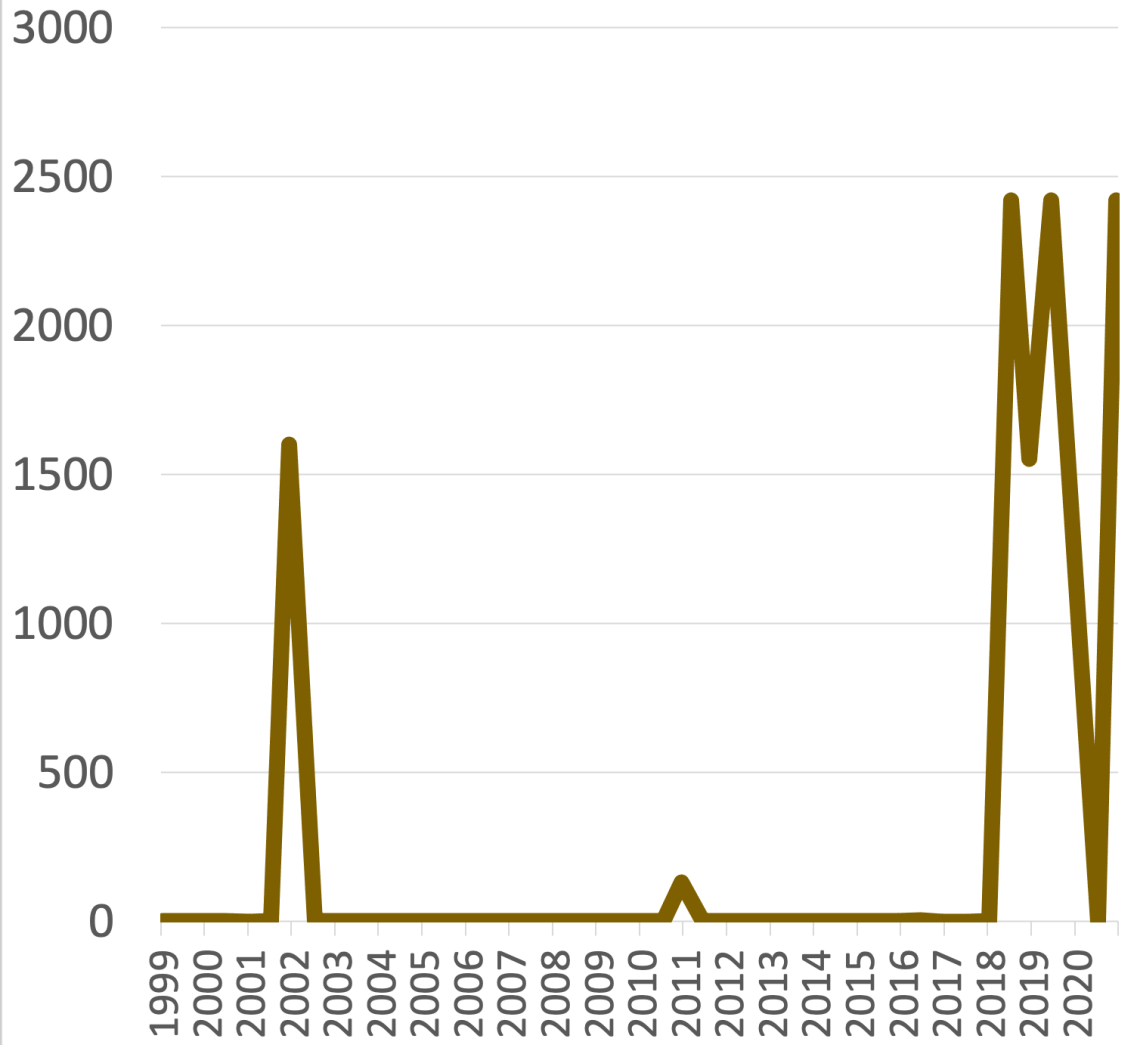
[Free PMC article](#)

Abstract

[Article link](#)

The prevalence of community-associated methicillin-resistant Staphylococcus aureus (CA-MRSA) infection, and Staphylococcus aureus (S. aureus) infection overall, has dramatically increased in the past 10 years. Children and Native Hawaiians and Pacific Islanders (NHPI) are disproportionately affected by CA-MRSA infection. The purpose of this case-control study was to identify risk factors for CA-S. aureus skin infections in children of Maui, Hawai'i, as a foundation for reducing the transmission of these infections. Survey data were obtained from patients in pediatric

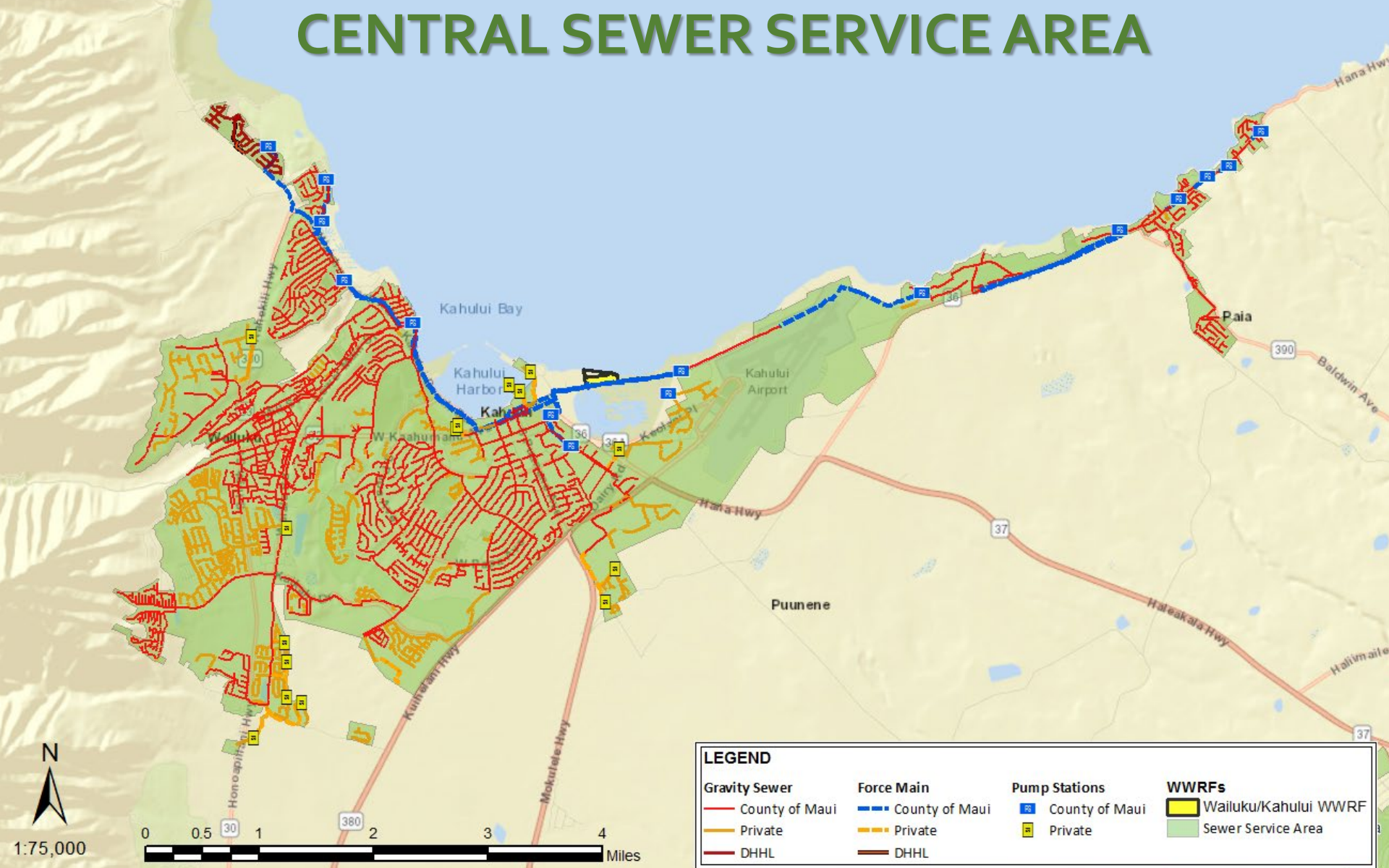
Kahului WWRF injected *coliform*
(MPN/100mL) 1999 - 2021



Kahului WWRF Injection Wells

- Chlorine disinfection until 2018
- No disinfection since 2018
- Frequent measurements of >2419.6 MPN CFU/100mL fecal *coliform*
- Occasional Beach Action Value exceedances for *enterococcus* at Kanaha Beach Park and Kahului Harbor

CENTRAL SEWER SERVICE AREA



LEGEND

Gravity Sewer

- County of Maui
- Private
- DHHL

Force Main

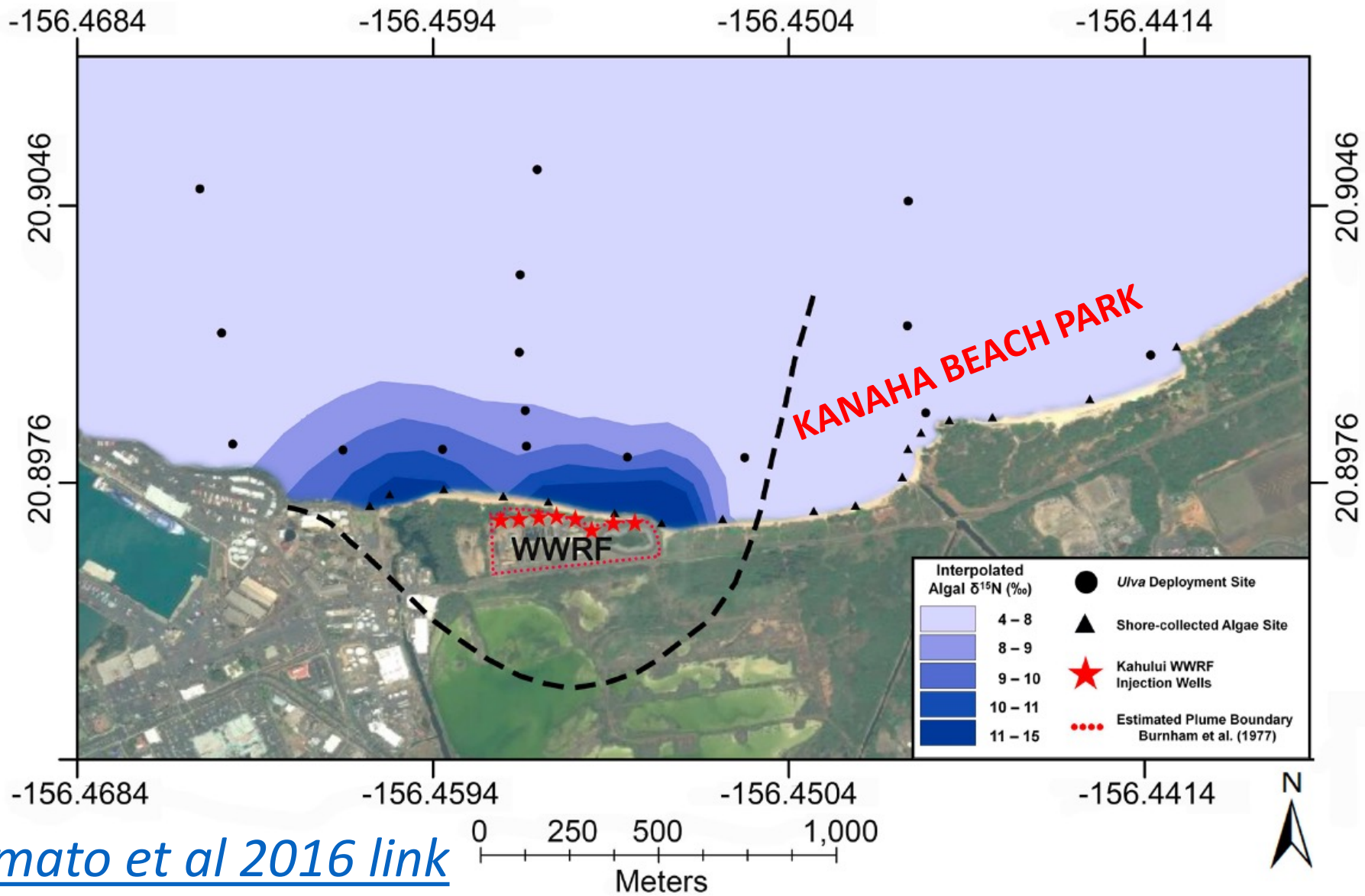
- County of Maui
- Private
- DHHL

Pump Stations

- County of Maui
- Private

WWRFs

- Wailuku/Kahului WWRF
- Sewer Service Area



[Amato et al 2016 link](#)

High bacteria count posted at Kanaha Beach

LOCAL NEWS

NOV 9, 2019

The Maui News



SHARE



TWEET



High levels of bacteria have been detected at Kanaha Beach, the state Department of Health announced Friday morning.

During routine beach monitoring, the department's Clean Water Branch detected enterococci levels of 364 per 100 milliliters, indicating that potentially harmful microorganism such as bacteria, viruses, protozoa or parasites may be present in the water.

The advisory will remain in effect until water sample results no longer exceed the threshold level of 130 enterococci per 100 ml.

Swimming at beaches with pollution in the water may lead to illness, the department said.

Children, the elderly and people with weakened immune systems are the most likely to develop illnesses or infections after coming into contact with polluted water, usually while swimming. The department said that while swimming-related illnesses can be unpleasant, they are usually not very serious, requiring little or no treatment or improving quickly upon treatment, and they have no long-term health effects.

The most common illness associated with swimming in water polluted by fecal pathogens is gastroenteritis. It occurs in a variety of forms that can have one or more of the following symptoms: nausea, vomiting, stomachache, diarrhea, headache or fever. Other minor illnesses associated with swimming include ear, eye, nose and throat infections. In highly polluted water, swimmers may occasionally be exposed to more serious diseases.

[Article link](#)

High Bacteria Count Notification East of Hoaloha Park in Kahului, Maui

December 4, 2020, 5:00 AM HST

[Article link](#)



The Hawai'i State Department of Health has issued a high bacteria count notification and is retesting water at Kahului Harbor east of Hoaloha Park.

The department reports that bacteria levels of 1625 per 100 mL were detected during routine beach monitoring, but is uncertain about the representativeness of the first sample.

“This beach has historically met the acceptable beach threshold level, and there is no known source of fecal contamination. Therefore, DOH has collected another sample and is retesting the site,” according to a department notification.

Sewage spill closes Southern California beaches

A section of the Los Angeles County-run system "collapsed," sending untreated wastewater to already overwhelmed storm drains that lead to sea, officials said.



— The release of millions of gallons of untreated sewage into the Dominguez Channel in Carson, Calif., closed some beaches Friday
Dean Musgrove / AP

[Article link](#)

Jan. 2, 2022, 6:09 PM HST / Updated Jan. 2, 2022, 7:17 PM HST

By Dennis Romero

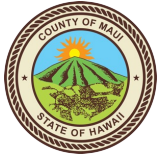
Southern California beaches from Orange to Los Angeles counties were closed over the holiday weekend after as many as 7 million gallons of untreated wastewater spilled into the Pacific Ocean, officials said Sunday.

The spill happened after [a series of late December storms](#) brought heavy rainfall to the area. A section of Los Angeles County-run sewage system "collapsed," sending untreated wastewater to already overwhelmed storm drains that lead to sea, some blocked by debris, the Los Angeles County Sanitation Districts said in a series of statements.

The collapse was reported Friday night in the city of Carson, and an emergency contractor quickly set up pumps to bypass the problem, but sewage continued to make it to sea the next day, according to the districts.

By New Year's Day additional bypass pumps and the last drops of rain had combined to help end the spill overnight, the sanitation officials said.

County of Maui not planning to invest in disinfection of injected effluent in Kahului until FY2026. Estimated cost of UV disinfection install in Kahului \$6M



Wailuku-Kahului Wastewater Reclamation Facility (WWRF) Upgrade to R-1 (CBS-1169)

The plan to upgrade the Kahului/Wailuku WWRF to R-1 is only in the preliminary planning stages. We do not have any preliminary plans, or formal cost estimates at this time. The preliminary estimate in the six year CIP was based on the one channel expansion in Lahaina that cost approximately \$6 million. An actual cost estimate will be prepared once we get closer to design contracts.

We have listed it as a potential project on our six year Capital Improvement Program. At this point in time it is not required until the recycled water force main (CBS-1171) and pump station (CBS-5034) projects are constructed to transfer water to the central valley and the water could be used by customers. These other projects are also on the six year schedule and have design contracts issued and the EIS is in process. The current time line is our best estimate, it is not required to be completed by FY2028. It is dependent on other projects as well as other approvals (mayor's office, County Council, etc.) Note that funding for projects is only approved on a year to year basis during the County Budget process.

**County of Maui
Fiscal Year 2022-2027 Capital Improvement Program**

CBS No: CBS-1169

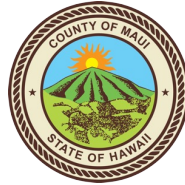
Project Name: Wailuku-Kahului Wastewater Reclamation Facility (WWRF)
Upgrade to R-1

Department: Department of Environmental Management

District: Wailuku-Kahului

Project Type: Sewer

Anticipated Life: 30 years



Prior Years	Appr	Ensuing	Subsequent Years					Total
Expend/Encb	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	6-Year
0	0	0	0	0	0	1,800,000	0	1,800,000

PROJECT DESCRIPTION

The primary objective for this project is to modify the Wailuku-Kahului Wastewater Reclamation Facility to produce a R-1 quality reclaimed water for the Wailuku-Kahului service area. This includes construction of ultraviolet disinfection basins, on-site storage, a pump station and all related piping and electrical to connect to the proposed force main.

PROJECT JUSTIFICATION

Use of reclaimed water will result in the conservation of potable water resources, preservation of brackish water resources and reduction of treated effluent discharged into injection wells.

STRATEGIC PLAN ALIGNMENT

Department's Strategic Plan

Sustain Reliable Wastewater Infrastructure
Ensure Facilities Meet Future Needs
Provide Reliable Wastewater Service

Countywide Priority Results

A Suitable Public Infrastructure
A Strong, Diversified Economy
A Prepared, Safe, and Liveable County
A Healthy and Sustainable Community

Operating Impact Narrative

Addition of this treatment capability will require an additional position to manage the system, and extra costs for electricity and materials to operate the disinfection system and pumps.

Wailuku-Kahului WWRF

R-1 Recycled Water Study

Prepared for
County of Maui, Wastewater Reclamation Division, Wailuku, HI
August 2015

[2015 Reuse study #1 link](#)

[2015 Reuse study #2 link](#)

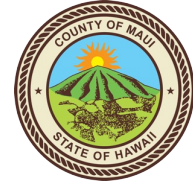
Table 5-6. DOH Reuse Guidelines - Disinfection Requirements

Item	Requirement
General Disinfection	
Inactivation of F-specific bacteriophage MS2 or poliovirus	5-log or 99.99% removal
Fecal coliform bacteria concentration	<2.2 colony forming units (CFU)/100 mL 7-day median, and >23 CFU/100 mL in no more than one sample in 30 days, and <200 CFU/mL at all times
Disinfection via UV	
UV dose	100,000 μ Ws/cm ² (for non-membrane filtration)
Minimum UV transmittance	55 percent
Post-filtration turbidity	Automatic diversion from reuse if >2 NTU
Measurements for flow rate, UV intensity, UV transmittance, turbidity, operational UV dose	Continuous
UV System Redundancy	Required such that PWWF can be handled when one bank of lamps (in each channel) is offline

Table 6-3. UV Disinfection Design Criteria

Description	Value
Filtered water UV transmittance	55 percent minimum ^a
Minimum UV dose	100,000 $\mu\text{Ws}/\text{cm}^2$
UV technology	Trojan UV3000+
Lamp type	Low pressure high output, in quartz sleeves
End of lamp life factor	0.98
Lamp fouling factor	0.95
Lamp cleaning system	Automatic
Number of channels	3
Number of banks per channel	5 (1 redundant bank per channel)
Total number of banks	15 (12 duty, 3 redundant)
Number of modules per bank	18 ^a
Number of lamps per module	8
Total number of UV lamps	2,160 ^a
Lamp power draw	254 watts/lamp
Maximum power draw	540 kW ^a
Water level control	Fixed weirs
Instrumentation	Continuous UV intensity monitoring Continuous UV transmissivity monitoring
Energy conservation	Automatic lamp dimming

UV costs for parts & power in the \$100K's per year



		FY2021	Estimated FY2022	Estimated FY2023
POWER COST: (per 2 MGD)				
Lahaina WWRF	UV System	\$ 112,958.36	\$ 137,875.65	\$ 144,037.99
Kihei WWRF	UV System	\$ 68,107.25	\$ 85,134.06	\$ 140,608.51
Electrical Cost per KWH	HECO	\$ 0.31	\$ 0.31	\$ 0.32
	S POWER (PV)	\$ 0.21	\$ 0.21	\$ 0.21
Estimated Annual UV Power Cost		\$ 181,065.61	\$ 223,009.71	\$ 284,646.50
MATERIALS/SUPPLIES:				
Lahaina WWRF	UV lamps, sleeves, modules, parts	\$ 127,217	\$ 132,340	\$ 135,000
Kihei WWRF	UV lamps, replacement modules, parts	\$ 51,538	\$ 121,400	\$ 128,000
Estimated Annual UV Equipment Cost		\$ 178,756	\$ 253,741	\$ 263,000



Anticipated Bill 52 CD1 language:

"Municipal wastewater effluent discharged or reused by the County must meet Hawaii state R-1 reuse standards for fecal coliform bacteria; the County must allocate sufficient funding for the implementation of this subsection so that its implementation does not cause any increases in sewage rates for residents."



REUSE GUIDELINES

Volume 1: Recycled Water Facilities

Prepared by
Hawai'i State Department of Health
Wastewater Branch
January 2016
(Replaces May 15, 2002 Version)

D. R-1 Recycled Water

In order to be classified as R-1 recycled water, wastewater must be oxidized, filtered and disinfected as follows:

3. Disinfection

The disinfection process, when combined with filtration, must have demonstrated inactivation and/or removal of 99.999 percent of the plaque-forming units of F-specific bacteriophage MS2, or polio virus in the wastewater. A virus that is at least resistant to disinfection as the polio virus may be used for purposes of demonstration.

b. UV Disinfection

1) When using media filtration:

- a) The design UV dose shall be 100 mJ/cm² or greater under maximum daily flow; and
- b) The filtered UV transmittance shall be 55 percent or greater at 254 nanometers (nm).

2) When using membrane filtration:

- a) The design UV dose shall be 80 mJ/cm² or greater under maximum daily flow; and
- b) The filtered UV transmittance shall be 65 percent or greater at 254 nanometers (nm).

3) The minimum acceptable design requirements and commissioning of new UV disinfection systems shall comply with the *NWRI UV Guidelines*.

4) A UV system that is Title 22 certified by California is acceptable to the DOH.

4. Fecal Coliform

- a. The median density measured in the disinfected effluent shall not exceed 2.2/100 milliliters using the bacteriological results of the last seven days for which analyses have been completed;
- b. The density shall not exceed 23/100 milliliters in more than one sample in any 30-day period; and
- c. No sample shall exceed 200/100 milliliters.
- d. Frequency of sampling and analysis:
 - 1) Sampling and analysis shall be done daily for fecal coliform when R-1 is being used as allowed (i.e. not directly disposed).
 - 2) If approved by the Director, sampling frequency may be reduced to weekly sampling based on:
 - a) Use of R-1 when a lower class of recycled water is allowed;
 - b) Volume of R-1 used;
 - c) Disinfection or filtration method used;
 - d) Demonstrated disinfection quality and reliability;
 - e) Sampling location; and
 - f) Other factors as determined by the DOH.

[Hawaii DOH 2016 Reuse Guidelines link](#)

Maui Island Underground Injection Control Program Permittee Summary

Injection Well UIC Permittee	Injected flow/day (gallons/day)	Injected TN concentration (mg/L)	Injected TP concentration (mg/L)	Total injected nutrients / year (lbs/year)	Injected <i>coliform</i> cell counts (MPN/100mL)
Lahaina WWRF	2,948,000	6.28	0.216	58,295	< 1
Kihei WWRF	1,817,000	11.55	2.41	77,215	248.9
Kahului WWRF	5,692,000	10.47	1.17	201,686	> 2419.6
Hono Kai	7,500	24.4	2.95	624	≤ 1600
Island Sands	11,000	12.9	4.9	596	2
Ka Nai A Nalu	18,000	24.6	4.58	1,599	< 2
Lauloa	10,000	21.6	3.98	779	17
Ma'alaea Banyans	7,485	25.5	5.28	701	< 20
Ma'alaea Kai	6,500	11.9	1.82	271	16000
Ma'alaea Mermaid	4,200	26.9	3.7	391	< 2
Ma'alaea Triangle	15,000	16.5	0.925	796	< 1
Ma'alaea Yacht	9,500	34.5	3.78	1,107	4
Makani A Kai	6,000	10.59	1.4	219	≥ 1600
Milowai	8,500	40.8	9.75	1,308	17
TOTAL:	10,560,685			345,588	



Reef Power LLC
Travis Liggett
 President

travis@reefpowermaui.com

voice / text (808) 757 - 5984

fax (808) 442 - 9006

120 Baldwin Avenue #790484

Paia, Hawai'i 96779

reefpowermaui.com



@reefpowermaui
 @flushaware



FlushAware.com

Lahaina has enjoyed 100% UV disinfection of injection well and reuse discharges since 2015

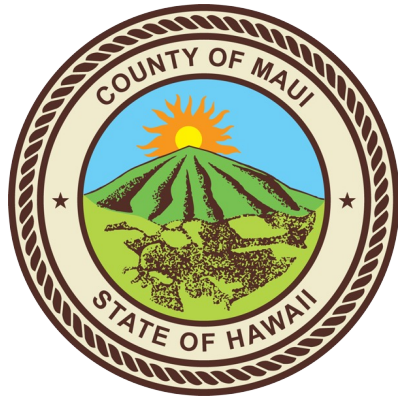
Maui County DEM states 100% UV for Kihei injection well and reuse discharges finished Summer 2022

\$9.5 mil for Ma'alaea Regional Wastewater Reclamation System eliminates 79% of UIC permittees

\$6 mil for UV disinfection of 5+ MGD discharging in Kahului would bring Maui County to 100% disinfection

MAUI  NUI
MARINE RESOURCE COUNCIL

Special Thanks



B.a.R.E.
Born and Raised Earth

04/13/21
13

Note
Book
in 3
Holt

I would like to personally thank the Mass
Economic Development Board (MEDB) for helping
fund the Baldwin High School Automotive class.

I am a senior this year and have been hoping
to have this class since my Freshman year.

Thanks to them we are able to get new and
safe equipment to use while we learn
in automotive class and we were able to actually
have a great teacher to teach the class.

Once again MEDB, thank you for your
support!

ME DB

Main Economic Development Board (ME DB) is very important for this automotive class. This program allows us to be able to work on cars and learn what we need to become a technician. It provides us with the tools and parts that we need in order to complete these projects on cars. If I was not able to take this class, I probably would have been taking a class I do not enjoy as much. I am thankful for this program and wish it will continue to support Baldwin's automotive class.

Maui economic development Board MEDB

Buddy
Merch
4/13/22

they benefit us by donating new equipment
So our shop has up to date things to make
work more simple. they also help keep our
automotive program alive by paying for
our teacher. they benefit us by keeping
our shop open and not letting it go down
we have 4 bays and one paint booth we
are more appreciative because most mechanic
~~shops~~ shops suffer with only one bay. and if this
program gets cut it sucks because people
show initiative to learn this we are the
future of ~~mechanics~~ technicians. I'm a senior
and ive been hoping this class opened up
since my freshman year I'm beyond blessed
to be able to have ~~an~~ hands on ~~experience~~
~~training~~ because it benefits me ~~at home~~
as well.

Bradley B
Samson

Mavi Economic Development Board

The MEDB has allowed us students at Baldwin to enjoy a curriculum that has been absent for the past 3 years. As a Senior, I am grateful that I finally able to learn basic automotive skills. The donation of tools and resources also allowed us students to perform diverse maintenance and learn multiple automotive lessons.

Delaney Brown
04/13/22
R13

Maui Economic Development Board has helped H.P. Baldwin Highschools Automotive class in many ways. MEDB has helped with providing tools that we need in shop such as tpms tools, batterysets, and more. IF we didn't have tools like these it would make our time in shop very difficult. We also wouldn't even have a teacher if it wasn't for them, and without a teacher we wouldn't have a class and that would've not been fun and we wouldn't have the experience we do now.

...ment has helped the way

Alan Semblor
P. 3

MEDB

Thank you very much for the tools / machines that you provide for our school. Without you guys we wouldn't learn in automotive industry. With the tools you provide for us we are grateful because ever since I was a freshmen at B.H.S I always wanted to learn automotive and that it helps both us and our teacher so that she can teach us how to do specific tasks in the shops. Thank you MEDB for helping us.

BFED Committee

From: Zoltan Milaskey <zoltan@manamonitoring.com>
Sent: Wednesday, April 13, 2022 9:34 AM
To: BFED Committee
Subject: Testimony on BFED-1 in support of Maui Economic Development Board's Economic Development Grant under the Maui County Office of Economic Development.
Attachments: MEDB LoS Apr-13-22.pdf

You don't often get email from zoltan@manamonitoring.com. [Learn why this is important](#)

Aloha,
Please find our letter of support attached.
Thank you,
Zoltan



Zoltan Milaskey
MANA MONITORING
Cloud-Based Energy Solutions
manamonitoring.com
(808) 280-1395



MANA MONITORING

April 13, 2022

Re: CoM MEDB support testimony

I am Zoltan Milaskey, Founder of Mana Energy, and I am testifying on BFED-1 in support of Maui Economic Development Boards Economic Development Grant under the Maui County Office of Economic Development. We are a local technology company that develops a software platform to track and manage solar PV systems. Our software is used locally and nationally and as far away as the Caribbean. I am traveling now, so I am submitting written testimony in support of MEDB. Over the past couple of years MEDB has reached out and provided support to our company helping us grow and provide our services in the renewable energy space. During the worst of the COVID pandemic they provided us guidance on how to get support/funding. Most recently they encouraged us to pursue federal opportunities through SBIR, a program that funds a diverse portfolio of startups and small businesses across technology areas and markets to stimulate technological innovation. During this process we applied into the Department of Energy's Made in America Solar program, and we're awarded a prize for Grid Integration from DOE/National Renewable Energy Laboratory to further our work in Solar+EV Charging. As a direct result we were able to bring on 3 new hires locally. One Kamehameha grad, back from college with an interest in software. Another individual who recently graduated UH and a third individual that we trained and are supporting to grow with our company.

MEDB's work and support provides local technology companies such as Mana a resource to pursue initiatives that otherwise may be unattainable.

Sincerely,

A handwritten signature in blue ink that reads "Zoltan Milaskey". The signature is stylized with a long, sweeping underline that extends to the right.

Zoltan Milaskey

Mana Energy LLC

BFED Committee

From: Lee Imada <lee.imada@meoinc.org>
Sent: Wednesday, April 13, 2022 10:28 AM
To: BFED Committee
Subject: MEO Testimony: Youth Services
Attachments: MEO Youth Services Testifier - Caelyn Taibemal.pdf; MEO Youth Services Testifier - Arrianna Shirota.pdf; MEO Youth Services Testifier - Cecelia Kahookele.pdf; MEO Youth Services Testifier - Brandon Asta.pdf; MEO Youth Services Testifier - Gianna Armbul Okuda.pdf; MEO Youth Services Testifier - Jaryk Lucero.pdf; MEO Youth Services Testifier - Haley Taibemal.pdf; MEO Youth Services Testifier - Jaymarvin Bautista.pdf; MEO Youth Services Testifier - Laakea Wells.pdf; MEO Youth Services Testifier - Rylee Dela Cruz.pdf

Categories: Pending

You don't often get email from lee.imada@meoinc.org. [Learn why this is important](#)

To Whomever It May Concern:

I am attaching MEO client testimony for our Youth Services program.

I know that committee staff is really busy but if possible, could someone send me confirmation of receipt.

Thank you.

Lee

--

Lee Imada, Executive Assistant

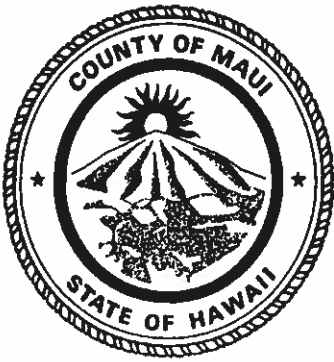
Maui Economic Opportunity, Inc.
99 Mahalani St, Wailuku HI 96793

<http://www.meoinc.org>

T: 808-243-4306E: lee.imada@meoinc.org

MEO's mission is to strengthen the community while helping people in need restore their hope, reach their potential, and enrich their lives.

Confidentiality Note: This e-mail is intended only for the person or entity to which it is addressed and may contain information that is privileged. Distribution or copying of this e-mail or the information herein by anyone other than the intended recipient, or any employee or agent responsible for delivering the message to the intended recipient, is prohibited. If you have received this e-mail in error, please contact the sender and destroy.



COUNTY OF MAUI
Office of the Mayor
Fiscal Year 2023
Community Budget Request

FOR STAFF USE ONLY	NO.

PLEASE PRINT

Name: Caelyn Taibernal

Email Address: kikikaycae@gmail.com Phone: (808) 359-3957

Mailing Address: 507 South Kamehameha Ave. City/Zip: Kahului, 96732

I Represent: Myself
 Organization MEO Youth Services

Request/Issue: I have been in this program since the 6th grade and now I am a senior

at Maui High and vice president of the program. During these 6 years, I've been able
to do a lot of community service, experienced a lot of new activities, and learned
a lot about the community, state and nation. This program has helped me realize
my love for helping out the community, gen vinehy. I've done beach clean-ups, volunteered
at senior living centers, and even wrapped people's christmas presents with the
program. Last spring break, the program held a gift drive at Ka Hale A Ke Ola
which included toys, clothing, diapers, electronics, toiletries, and other things for
the houseless families there. On that same day, me, my sister, and two MEO staff
went to deliver holiday cards that the rest of the kids made to the elders at
Hale Makua. That was my favorite day of the entire break and is probably the
highlight of my being in the program, since we were able to do two activities
in one day.

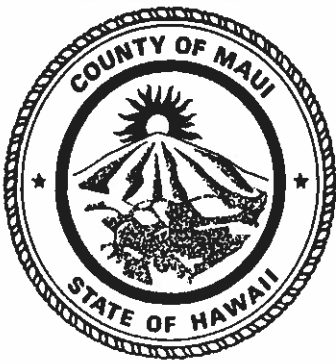
Funding Request (if known): \$ _____

Responsible County Department: _____

Continued in
back →

With your continued support, we'd be able to do more activities like this with more youth around the island.

THANK YOU!



COUNTY OF MAUI
Office of the Mayor
Fiscal Year 2023
Community Budget Request

FOR STAFF USE ONLY	NO.

PLEASE PRINT

Name: Arrianna Shirata

Email Address: arrianna.shirata@gmail.com

Phone: 808-344-7549

Mailing Address: 263 Waiolu Pl

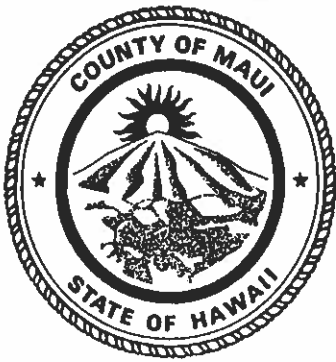
City/Zip: Wailuku

I Represent: Myself
 Organization _____

Request/Issue: Hi my name is Arrianna Shirata and I go to Iao Intermediate School. I have been attending MEO Youth Services for 11 months. One way MEO YS changed my life was by showing me what smoking/vaping does to your body. For example smoking/vaping can cause acute lung injury, cause asthma, lung disease, and lung cancer. Also MEO YS showed me what drinking can do to your body, like high blood pressure, cancer, and heart disease. Another thing that MEO YS has helped me with was keeping me busy and giving me time to do my school work. Since middle school comes with a lot of school work, MEO gives me a place to focus on the work. Next, MEO YS has helped me be more social at school. I'm not very talkative unless I'm with my friends and MEO YS showed me that talking to others can help me make more friends. MEO YS has also showed me why your blood pressure is important. Your blood pressure is important because a higher blood pressure can cause a higher risk of you getting heart attack and stroke. Lastly MEO YS taught me that helping others can make them feel important. So in conclusion, MEO Youth Services has taught and helped me in many ways. Mahalo for your continued support of MEO Youth Services.

Funding Request (if known): \$ _____

Responsible County Department: _____



COUNTY OF MAUI
Office of the Mayor
Fiscal Year 2023
Community Budget Request

FOR STAFF USE ONLY	NO.

PLEASE PRINT

Name: Cecelia Hahooli ele

Email Address: _____ Phone: 344-1834

Mailing Address: 448 1590 circle City/Zip: 96732

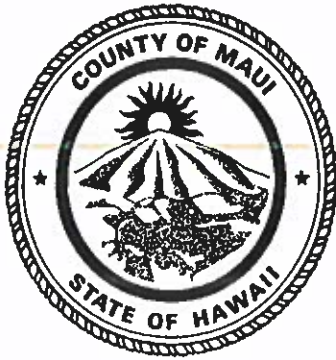
I Represent: Myself
 Organization Hi My name cecelia and I go to

Request/Issue: Mqui Warena School and I have been in MEO

for 6 months and MEO has help me is by taking, other
peoples blood pressure, when we have no school we
go sign waving, MEO also help me by teaching m that
smoking is not good for you and drinking and diving
is also not good for you. I learn that vaping and
TOBacco can causes big health like High blood
pressure and large cancer because MEO also teach
me not to try vaping and not to try drinking and
diving. Thank you for support MEO youth services.

Funding Request (if known): \$ _____

Responsible County Department: _____



COUNTY OF MAUI
Office of the Mayor
Fiscal Year 2023
Community Budget Request

FOR STAFF USE ONLY	NO.

PLEASE PRINT
Name:

Brandon Asta

Email Address: _____ Phone: _____

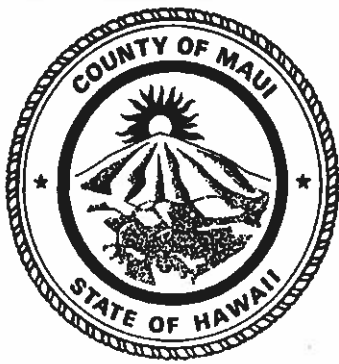
Mailing Address: _____ City/Zip: Kahalui

I Represent: Myself
 Organization

Request/Issue: Hi my name is Brandon I go to Maui Waena in 6 grade. I been in MEO for 6 months and it help me to be kind and staying busy when there is no school and we learn to do exercise and learn to not smoke and blood prressure and help your health problem and be honest help me that I dont tell lies and dont be a bully.

Funding Request (if known): \$ _____

Responsible County Department: _____



COUNTY OF MAUI
Office of the Mayor
Fiscal Year 2023
Community Budget Request

FOR STAFF USE ONLY	NO.

PLEASE PRINT

Name: Gianna Armbul Okuda

Email Address: parxhii@gmail.com Phone: _____

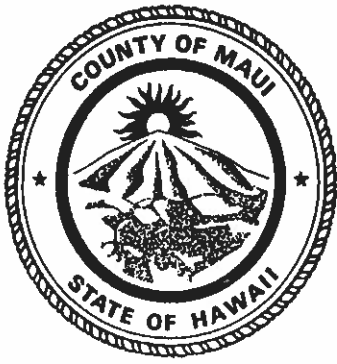
Mailing Address: _____ City/Zip: Wailuku

I Represent: Myself
 Organization _____

Request/Issue: Hello! My name is Gianna Armbul-Okuda and I'm an 8th grader at 'Iao intermediate school. MEO has genuinely changed so much for me in so many ways. It's taught me to open my eyes and see what's been going on, along with helping me out personally. I've always had troubles with expressing myself, but the staff has taught me how to be myself. Not to mention they make it fun to help out with all of the community work that we do. Mahalo, county council members, for your continued support of the MEO youth services program.

Funding Request (if known): \$ _____

Responsible County Department: _____



COUNTY OF MAUI
Office of the Mayor
Fiscal Year 2023
Community Budget Request

FOR STAFF USE ONLY	NO.

PLEASE PRINT

Name: Jaryk Lucero

Email Address: 4161400200@KI2.HI.US

Phone: (808) 214-8364

Mailing Address: 640 pona way

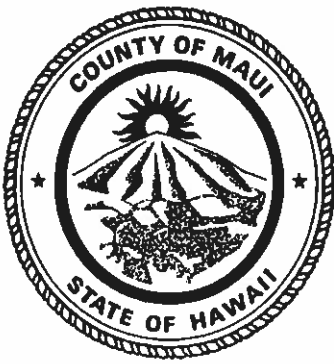
City/Zip: 96732

I Represent: Myself
 Organization MEO youth Services

Request/Issue: Hello, my name is Jaryk Lucero and I am an 8th grade student at Maui Waena Intermediate School. I have been in the MEO Youth Services Program for 2 years. MEO has helped shape me into a better person. All the activities I have done to help the community have been very helpful and educational for me and my friends. Examples of these activities are cleaning up trash on the beach and helping out with the yard for the elderly. The staff at MEO have been a great help to me while I was going through troubling times, but through all that they taught me to be more upbeat and be calm about it. With your support, we could help spread out positivity throughout the community

Funding Request (if known): \$ _____

Responsible County Department: _____



COUNTY OF MAUI
Office of the Mayor
Fiscal Year 2023
Community Budget Request

FOR STAFF USE ONLY	NO.

PLEASE PRINT

Name: Haley Taibemal

Email Address: _____

Phone: _____

Mailing Address: _____

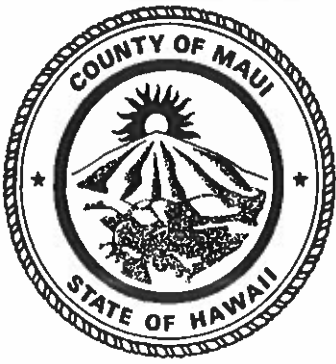
City/Zip: Kahului

I Represent: **Myself**
 Organization _____

Request/Issue: Aloha, my name is Haley Taibemal and I am a freshman at Maui High School. I have been with Meo Youth Services for almost four years and they have impacted my life in many positive ways. During my time with Meo Youth Services I have been able to make friends with kids from different parts of the island. The staff at Meo Youth Services has always supported me in my school works by giving me and the other youth time to do our homework during our after school programs and even offer us help. At Meo Youth Services I have been given unconditional support and the opportunity to make life long memories and friends. Thank you, Maui County Council, for your support and I hope you continue to support Meo Youth Services for years to come.

Funding Request (if known): \$ _____

Responsible County Department: _____



COUNTY OF MAUI
Office of the Mayor
Fiscal Year 2023
Community Budget Request

FOR STAFF USE ONLY	NO.

PLEASE PRINT

Name: Jaymarvin Bautista

Email Address: Jaymarvinbautista@gmail.com **Phone:** 808-463-6174

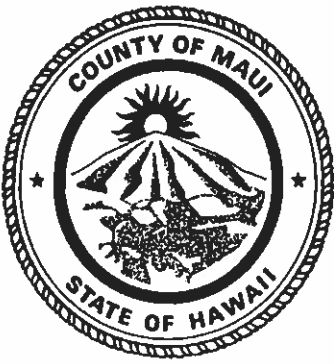
Mailing Address: _____ **City/Zip:** Kahului

I Represent: Myself Organization MEO Youth Services

Request/Issue: Hello my name is Jaymarvin Bautista and I am a youth leader at MEO Youth Services. I am currently 17 years old and I attend Maui High School. I have been going to MEO for 5 years and throughout those 5 years MEO has become a part of my personal and daily life. I was able to experience a lot of things without the help of MEO Youth Services. Along with experiencing things, I have also learned a bunch of skills that I would use a lot in my daily life. I learned how to be more social with the help of the other youths. Additionally, I learned to be a role model to the younger kids who they can look up to. Finally, I learned the importance of helping other people and the community. I have learned even more but these 3 skills is what I value most. Thank you Maui County Council for funding MEO for throughout the years and I hope that you continue to fund MEO Youth Services for many more.

Funding Request (if known): \$ _____

Responsible County Department: _____



COUNTY OF MAUI
Office of the Mayor
Fiscal Year 2023
Community Budget Request

FOR STAFF USE ONLY	NO.

PLEASE PRINT

Name: Laikea Wells

Email Address: krys.lani@gmail.com **Phone:** 808-463-7973

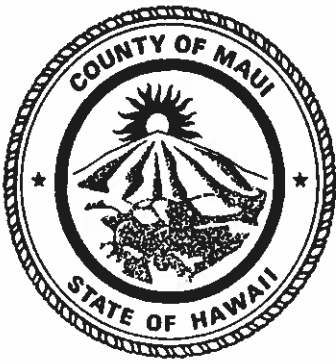
Mailing Address: 732 Pōmailkai st **City/Zip:** Kahului

I Represent: **Myself**
 Organization _____

Request/Issue: Hi, my name is Laikea Wells, I am 15 years
old, I go to Maui High School, and I have been in
MEO for almost four years now, MEO has been an
important part of my life because it has helped me
connect to my community and fellow youth around
the island and also the 'āina, I have been able
to do so much for my community while having fun
with other kids my age and I love it. The Staff
are also supportive to all the kids and care about
them very much. I kindly thank you for supporting
this program and ask that you continue to do so
for future youth to have the same opportunities.

Funding Request (if known): \$

Responsible County Department: _____



COUNTY OF MAUI
Office of the Mayor
Fiscal Year 2023
Community Budget Request

FOR STAFF USE ONLY	NO.

PLEASE PRINT

Name: Rylee Dela Cruz

Email Address: _____ Phone: 808-385-6968

Mailing Address: 1067 Makala Street City/Zip: Kahului

I Represent: Myself
 Organization _____

Request/Issue: Hi my name is Rylee Dela Cruz, I go to Maui Waena
intermediate school. I've been going to Meo for about 6 months
and here are some reasons I go to Meo

1. Meo taught us to make this place a more positive environment.

2. Meo also taught me to act more respectfully, not just
here at Meo, and everywhere I go.

3. They give us more opportunities to spend more time
with our family.

Thank you for your continued support

Funding Request (if known): \$ _____

Responsible County Department: _____

BFED Committee

From: Lee Imada <lee.imada@meoinc.org>
Sent: Wednesday, April 13, 2022 10:31 AM
To: BFED Committee
Subject: Re: MEO client testimony - Transportation users
Attachments: Trans-Kili Namau'u - Kukuna O Ka La, Summer Program.pdf; Trans-MEO Testimony - Camp Imua.pdf; Trans-MEO letter of support Maui Adult Day Care.pdf; Trans-MEO Transportation - Boys & Girls Club.pdf

Categories: Pending

You don't often get email from lee.imada@meoinc.org. [Learn why this is important](#)

To Whomever It May Concern:

I am attaching MEO client testimony for our Transportation services.

I know that committee staff is really busy but if possible, could someone send me confirmation of receipt.

Thank you.

Lee

--

Lee Imada, Executive Assistant

Maui Economic Opportunity, Inc.
99 Mahalani St, Wailuku HI 96793

<http://www.meoinc.org>

T: 808-243-4306E: lee.imada@meoinc.org

MEO's mission is to strengthen the community while helping people in need restore their hope, reach their potential, and enrich their lives.

Confidentiality Note: This e-mail is intended only for the person or entity to which it is addressed and may contain information that is privileged. Distribution or copying of this e-mail or the information herein by anyone other than the intended recipient, or any employee or agent responsible for delivering the message to the intended recipient, is prohibited. If you have received this e-mail in error, please contact the sender and destroy.

April 12, 2022

Aloha,

It is my extreme pleasure to share that the workers for MEO Transportation is an excellent and organized team. I organized a four week summer program for children in June 2021 called Kukuna o Ka Lā. The target group was made up of children who had suffered much learning loss due to the pandemic. Many of these keiki resided in low economic populations and did not have any opportunities to participate in any structured summer program. Fortunately, MEO Transportation under the direction of Patty Copperfield, were primary partners in our endeavor. Patty provided transportation for these children and bussed them round trip from Luana Gardens, Harbor Lights, Hale Makana, Kahekili Terrace, Paukukalo and Waihe'e. In addition, MEO Transportation provided bussing for our field trips at least 2-3 times a week as the keiki had 'āina based learning opportunities at Nohoana Farm, Maui Nui Botanical Gardens, 'Īao Valley, Kaehu and Waihe'e Refuge. It was a joy to see these children being exposed to Nā Wai 'Ehā and discovering Maui's famous rivers in their own backyard. Our program could not have survived without the partnership of MEO Transportation. Patty and her team always accommodated any schedule changes and made sure the children were delivered safely on our excursions as well as to and from our base operations at the Old Wailuku Gym. Without MEO Transportation our youngsters would be unable to participate in a variety of programs. Please continue to support MEO Transportation, they are a vital entity in our Maui Community.

'O wau me ka 'oia 'i'o,

Kili Namau'u

Kahu Pūnana Leo o Maui

BOE Representative Maui County

4/10/2022

Testimony in Support of Maui Economic Opportunity

To whom it may concern:

Each summer for the past several years Camp Imua, a camp for Maui County children with special needs, has relied on MEO for transportation. A few of our participants require wheelchairs, and all of them have physical or mental disabilities. We rely on the expertise and care of the MEO team to make sure they are brought safely to and from camp, and on our camp excursions. Without MEO we would have a very difficult time taking our 40 campers plus a large number of volunteer counselors to the beach and other outings. In 2018 and 2019, when our Camp took place at Camp Keanae we needed to offer rides from Central Maui out to Keanae. Without MEO, many of our participants would have been unable to attend camp because of their lack of transportation. This week of summer camp is very special to the children who participate. For one week they are granted the opportunity to make new friends and to try all sorts of activities that are very challenging- that with the help of our community partners such as MEO are made accessible.

In Gratitude,

Rainelle Lushina

Camp Imua & Dream Imua Program Coordinator

161 S. Wakea Ave., Kahului HI 96732

telephone 808.244.7467 x410 | cell 808.264.3284

rlushina@imuafamily.org | www.imuafamily.org



TESTIMONY IN SUPPORT FOR MEO TRANSPORTATION

BOARD OF DIRECTORS

President

Kyle Sakamoto

Vice President

Kathy Suzuki-Kitagawa

Treasurer

Kimberly Sagun

Secretary

Dawn Fujiwara

Members

Ted Anderson

Robert Carroll

Nancy Johnson

Dr. John Enriques

Kathy Kaohu

Roy Katsuda

Hideo Kawahara

William Kinaka

Karen Ogata

Audrey Rocha-Reed

Curtis Takaoka

Executive Director

Margie Dela Cruz

I am Margie Dela Cruz, Executive Director of Maui Adult Day Care Centers. I humbly ask for your support to continue funding MEO Transportation for fiscal year 2023. We are deeply grateful to MEO Transportation for the services they have been providing Maui Adult Day Care Centers for over 45 years. Maui's older adults and elderly are living much longer, into their eighties, nineties, and over a hundred. Many of them are living with physical frailties and cognitive challenges with dementia. Our older adults would have been isolated at home preventing them from having the ability to continue living and enjoying life with activity and friendship at whatever level they are functioning. We all have had friendship and activity throughout our life...that should not stop just because we are aging and may have lost the ability to drive...but without resources in place like MEO Transportation to help our aging population, an elder individual would just exist in isolation till they die. With the help of MEO Transportation and the specialized transportation they provide, frail elderly and individuals with disabilities are able to venture out of the home, to have fun, socialize with others like themselves, and to enjoy activity and stimulation to continue living life. Some of these clients are also transported to doctor's appointments and /or dialysis. Before the pandemic, MEO used to provide 2 excursions a month for all our adult day care centers including our Hana Senior Center. Excursions got our elder clients out into the community to reminisce and enjoy seeing the places they use to venture. Without MEO's support, 30% of our clients would have been left isolated and unattended at home. MEO's support creates a positive domino effect, which supports caregivers and allows them to continue working knowing MEO has their back with providing safe and dependable transportation for their loved to meet their needs.

Please, please continue to support MEO Transportation's funding request. Maui's elderly and older adults would not be able to thrive without them. We all need the services they provide and are very grateful to MEO for the support and to you for supporting them on behalf of Maui's needs. The Maui Community is counting on your support.

Main Office: 11 Mahaolu Street, Suite B- Kahului, HI 96732
Phone (808) 871-5804 – Fax (808) 877-4082

South Maui – Kihei
(808) 874-8338

Ocean View- Nisei Veterans Memorial Site:
Phone: (808) 243-9312

Hale Hulu Mamo-Hana Senior Center
Phone: (808) 248-8833

West Maui – Lahaina
Phone: (808) 667-9252

To provide adult day care services to our clients in a family environment that is safe and filled with love, and provide support to their families and caregivers.



The Boys & Girls Clubs of Maui is so grateful to work alongside MEO Transportation. Their service is of great value to our organization, the youth and families we serve. MEO bridges the gap of access to Clubs by not only providing transportation to the Clubs from School but also transportation home at the end of the day as well as on school out days. Without MEO, many youths would not be able to get to Clubs at all or even more so in a safe and in a timely manner. While we strive to make Clubs accessible to ALL youth 9-17 years old, MEO makes this even more possible with their transportation services. Many families do not have transportation to get their kids to Clubs or are working when youth get out of school, MEO operates in conjunction to our schedule as well as the schools. On behalf of the Boys & Girls Clubs of Maui, the youth and families we serve, I would like to thank MEO and you all for your ongoing support to both of our organizations as we provide safe, fun and positive environments full of hope and opportunities for the youth we serve. Great futures start here.

Mahalo, Director of Operations for the Boys & Girls Clubs of Maui, Thomas Daya.

Thomas "TJ" Daya
Director of Operations
Boys & Girls Clubs of Maui
(808) 757-5244
thomasd@bgcmaui.org
www.bgcmaui.org/

BFED Committee

From: County Clerk
Sent: Wednesday, April 13, 2022 11:22 AM
To: BFED Committee
Subject: FW: (BFED-1) SUPPORT INCREASED BUDGET FOR THE DEPARTMENT OF AGRICULTURE (918223A5101 and (918223B-6132)
Attachments: MauiCtyDOATestimonyApril2022.docx; MauiCtyDOATestimonyApril2022.pdf

-----Original Message-----

From: lhuff002@hawaii.rr.com <lhuff002@hawaii.rr.com>
Sent: Wednesday, April 13, 2022 11:21 AM
To: County Clerk <County.Clerk@mauicounty.us>
Cc: Mike J. Molina <Mike.Molina@mauicounty.us>
Subject: (BFED-1) SUPPORT INCREASED BUDGET FOR THE DEPARTMENT OF AGRICULTURE (918223A5101 and (918223B-6132)

[Some people who received this message don't often get email from lhuff002@hawaii.rr.com. Learn why this is important at <http://aka.ms/LearnAboutSenderIdentification>.]

See attached.
Mahalo,

Lehn Huff
Haiku, Hawaii
(808) 250-8323 Cell

Template to Submit Written Testimony by Email:

To: county.clerk@mauicounty.us

Re: (BFED- 1) SUPPORT INCREASED BUDGET FOR THE DEPARTMENT OF AGRICULTURE
(918223A-5101 and 918223B-6132)

Dear Maui County Councilmembers,

I strongly support increasing the budget of the new Department of Agriculture to support additional staff positions and funding for professional services. In order for the Department of Agriculture to be a successful department, it must have sufficient staff to start addressing the needs of the community efficiently.

In addition to the positions outlined in the bare-bones budget for the Department of Agriculture. I support including the addition of two Grant Writers, two Food Access Coordinator positions and a Waste and Resource Regeneration Specialist in the Department's Budget as additions to meet the basic needs of this new start-up Department.

I ask also that the Department of Agriculture budget be increased to allow for professional services that will support the establishment of countywide emergency storage and food centers, emergency food banks in Lāna'i, Molokai and Hāna, legal assessments of the current agricultural cross-sectors with Federal and State Agencies to negotiate and address agricultural issues, and the development of a streamlined County permitting process for the agricultural sector.

My understanding is that even with funding the additional positional and professional services, including making changes to fringe benefits, equipment, travel and mileage to accommodate for the additional positions will still allow the total funding for the Department to be less than \$3 million dollars. Which is .3% of the overall County budget and a very reasonable ask to support increasing food security and help our local agricultural sector.

Therefore, I respectfully ask that you increase the budget of the Department of Agriculture to support the addition of these positions and professional services. This funding will be crucial to the success of the Department of Agriculture. An investment in this Department's success is an investment in the success of Maui County's farmers and ranchers. Please help us when we need it most.

Mahalo,

Lehn Huff

Haiku, Maui

lhuff002@hawaii.rr.com/(808) 250-8323

Board VP-Grow Some Good - Maui Farm To School Network

Member - Hawaii Farmers Union United

Member - Maui Nui Farm Bureau

Member - Maui Nui Food Alliance and Food Systems Subcommittee

Member - HEAL Coalition and 'Ai Pono Subcommittee - under Hawaii Public Health Initiative

Member - Local Food Coalition under Ulupono Initiative as Maui Farm to School Network

Member Emeritus under the Hawaii Farm to School Hui

BFED Committee

From: Maui_County Council_mailbox
Sent: Wednesday, April 13, 2022 12:07 PM
To: BFED Committee
Cc: Roxanne K. Morita
Subject: FW: Written Testimony for Reso 22-80 (Steven Haban)
Attachments: Lana'i Kina'ole S. Haban.pdf

Forwarding to submit for testimony.

From: Roxanne K. Morita <Roxanne.Morita@mauicounty.us>
Sent: Wednesday, April 13, 2022 11:34 AM
To: Maui_County Council_mailbox <county.council@mauicounty.us>
Subject: Written Testimony for Reso 22-80

Aloha,

I received this at our Lana'i District office from a constituent, please submit for testimony.

Mahalo and have a good day,

Roxanne K. Morita obo Councilmember Gabe Johnson

Executive Assistant/ Office Manager

Office of Councilmember Gabe Johnson

Lānaʻi District Office
808.565.8394/ Roxanne.morita@mauicounty.us

Steven Haban

1005 Ulu Kanu Street
Wailuku, HI 96793
808-559-0136
steven_haban@hotmail.com

April 13, 2022

Maui County Council

Dear Members of the Maui County Council,

Aloha, my name is Steven Haban, born and raised on Lana'i, and a son of the late Alejandro "Alex" Haban, who received services from Lana'i Kina'ole Inc. I would like to request your full support of Resolution 22-80 requesting funding for the expansion of services to the people of Lana'i.

The services and assistance provided by the staff of Lana'i Kina'ole Inc. allowed my dad, Alex live at home where he wanted to be. Maria Haban and Alvin Haban (mom and brother) were the caregivers and at times would be overwhelmed with caring for my dad. Lana'i Kina'ole Inc. staff were there to provide the necessary help.

Over the last couple of years, my dad slowed down a lot and became bed ridden. Alvin faced some health issues that resulted in him spending many months at MMMC on Maui until he was well enough to return to Lana'i. At a period in time, both Alex and Alvin had Ostomy conditions and Maria was doing her best to care for them both. When this was happening, the staff of Lana'i Kina'ole was there to give the support and services Maria needed in caring for Alex and Alvin. Alvin's health improved to where he was able to return to work. Alex health started to decline and became bed ridden which made it challenging and difficult for Maria to do things herself. Again, Lana'i Kina'ole staff was there to provide assistance and services.

Please support the expansion of the Lana'i Kina'ole Facility as it would provide support that is needed for the people of Lana'i and especially the Elderly residents of Lana'i

Sincerely yours,

Steven Haban

BFED Committee

From: Denise Fernandez
Sent: Wednesday, April 13, 2022 1:06 PM
To: BFED Committee
Cc: Gabe Johnson; Kate Griffiths; Roxanne K. Morita
Subject: FW: Testimony
Attachments: Lānai Kinaole Testimony to County Final.pdf

Aloha BFED Committee,

Please find attached Robin Kaye's written testimony which he testified at the BFED Committee meeting this morning.

Mahalo!

Denise Fernandez
X7094

From: Robin Kaye <rkayelny@gmail.com>
Sent: Wednesday, April 13, 2022 11:25 AM
To: Denise Fernandez <Denise.Fernandez@mauicounty.us>
Subject: Testimony

Thanks for all your help, Denise:

--
Robin Kaye
P.O. Box 631313
Lana'i City, HI 96763
808-559-6124 (m)
rkayelny@gmail.com

Testimony for Lana'i Kinaole's County Grant

Aloha County Council members and staff. My name is Robin Kaye, and I'm a long-time Lana'i resident.

Thirty-one percent of Lana'i's population is over 60 years of age — almost one third of our total population. **[REPEAT]**

That is a higher percentage than that of Maui County (24%), the entire state of Hawai'i (24%) and the national population (21.8%).

Twenty-seven percent of Lana'i residents are over 75 years of age — again, higher than Maui County, State of Hawaii or the entire United States.

Yet despite those staggering numbers, **there is no adult day or adult day health care** or a long term care facility of any kind on the island of Lana'i.

I love this island. My family and I have lived on and off Lana'i since purchasing our 1935 plantation house in 1978. I've worked in the pineapple fields. I've helped neighbors and friends build their homes. I've volunteered for many of our community's nonprofit organizations, and helped to create two of those. And I want to

share with you one-little-known-yet-incontrovertible fact about this island. **You cannot be born here — and you cannot die here.**

The birth part is largely due to the unavailability of equipment and specialists for premature births. I know this for a fact, given how we had to fly out to Honolulu when my son was about to be born.

The dying part we know well, as we've seen many of our friends shipped out to other islands so they could end their lives in care facilities. On Lana'i, **WE HAVE NO CARE HOMES WHATSOEVER. NONE.** We have apartments for seniors but without any healthcare provisions. **If you have to spend the remaining years of your life in a place with medical assistance — you must move away.**

To change that dynamic, we now have on island an incredible collection of passionate, educated and well-trained individuals, who not too long ago began providing home care for our kupuna — while **simultaneously developing a much-needed non-tourism-based workforce.** Without Lana'i Kinaole, those who've wanted to stay in their homes as they've aged would be severely challenged to do so; they would have to leave Lana'i.

Less than a year ago, our community raised thirty thousand dollars and hired the University of Hawaii to undertake a needs assessment for kupuna care. The study, by a team from UH's Department of Urban and Regional Planning and the School of Architecture, provides insight into the status of long-term kūpuna care on the island based on in-depth interviews with over 50 kūpuna, family members who are caregivers, service providers, a focus group of elderly residents, and a survey of existing health care facilities conducted between November and December 2021. Here are some highlights:

Quote:

- The results indicate that the majority of the kūpuna interviewed preferred to remain independent in their homes as they age, but are all too aware that it might not be possible, **without day care and ultimately long-term care;**
- All the groups of study participants mentioned the lack of long-term care alternatives on the island and **stressed the need for adult day care or adult day health care, for expanding home care, and for having a facility on Lānaʻi that offers long-term care for kūpuna who can no longer live independently.**

- They preferred any new facility to be located centrally for a sense of connectedness to the community

What do we need to do? **We need to enhance existing services, and we need to provide a new facility to meet the growing need for short- and long-term care for seniors on the island.** And, equally important, to provide a respite for our kupuna's caregivers.

Since the mid-1800's Lana'i has been almost completely owned by one landowner. There is little we can do about that; it is a fact of life here on Lana'i. Given that, I would argue that the commitment of a long term lease is the best possible solution for moving forward towards a much needed kupuna care facility.

Please approve the requested allocation so we can care for our kupuna here. Not someplace else.