

**THE THIRTIETH LEGISLATURE
APPLICATION FOR GRANTS
CHAPTER 42F, HAWAII REVISED STATUTES**

Type of Grant Request:

Operating Capital

Legal Name of Requesting Organization or Individual: Dba:

Napili Bay and Beach Foundation, Inc

Amount of State Funds Requested: \$ 125,000

Brief Description of Request (Please attach word document to back of page if extra space is needed):
The funds requested here will be used to remove old and damaged concrete public access stairs to Napili Beach with well engineered, more resilient structure. This is a necessary step due to damage caused by rising sea level, and complies with UN Sustainable Development Goals # 13 (re: Climate Action) and #11 (re: improved resilience and sustainability of human settlements).

Amount of Other Funds Available:

State: \$ 0
Federal: \$ 0
County: \$ 0
Private/Other: \$ 20,561

Total amount of State Grants Received in the Past 5 Fiscal Years:

\$ 0

Unrestricted Assets:

\$ 38,215

New Service (Presently Does Not Exist): Existing Service (Presently in Operation):

Type of Business Entity:

- 501(C)(3) Non Profit Corporation
 Other Non Profit
 Other

Mailing Address:

PO Box 10823

City:

Lahaina

State:

HI

Zip:

96761

Contact Person for Matters Involving this Application

Name:
Pat B. Lindquist

Title:
President

Email:
napilibayfoundation@gmail.com

Phone:
650-303-3150

Federal Tax ID#:

State Tax ID#

Pat B. Lindquist
Authorized Signature

Pat B. Lindquist, President

Name and Title

1/3/19
Date Signed

received
1/14/19 1:30pm

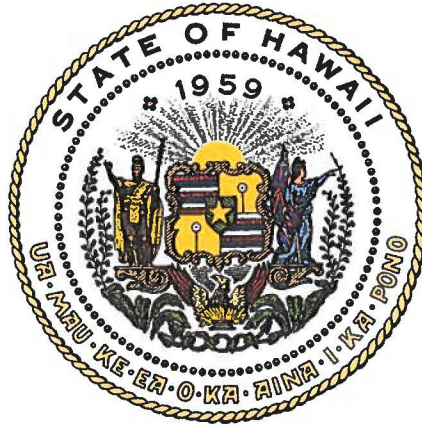
Applicant Napili Bay and Beach Foundation

Application Submittal Checklist

The following items are required for submittal of the grant application. Please verify and check off that the items have been included in the application packet.

- 1) Certificate of Good Standing (If the Applicant is an Organization)
- 2) Declaration Statement
- 3) Verify that grant shall be used for a public purpose
- 4) Background and Summary
- 5) Service Summary and Outcomes
- 6) Budget
 - a. Budget request by source of funds ([Link](#))
 - b. Personnel salaries and wages ([Link](#))
 - c. Equipment and motor vehicles ([Link](#))
 - d. Capital project details ([Link](#))
 - e. Government contracts, grants, and grants in aid ([Link](#))
- 7) Experience and Capability
- 8) Personnel: Project Organization and Staffing

Pat B. Lindquist Pat B. Lindquist, 12/30/18
AUTHORIZED SIGNATURE PRINT NAME AND TITLE DATE
President



Department of Commerce and Consumer Affairs

CERTIFICATE OF GOOD STANDING

I, the undersigned Director of Commerce and Consumer Affairs of the State of Hawaii, do hereby certify that

NAPILI BAY AND BEACH FOUNDATION INC.

was incorporated under the laws of Hawaii on 08/01/2006 ; that it is an existing nonprofit corporation; and that, as far as the records of this Department reveal, has complied with all of the provisions of the Hawaii Nonprofit Corporations Act, regulating domestic nonprofit corporations.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Department of Commerce and Consumer Affairs, at Honolulu, Hawaii.

Dated: December 06, 2018

Director of Commerce and Consumer Affairs



I. 3. This project meets the need of providing safe beach access to the public, for both residents and visitors. Napili is a very popular West Maui sandy beach, used by an estimated 200,000 people a year (~50,000 local residents and ~150,000 visitors). Resorts on Napili Bay were developed in the early to mid 1970's and two public access paths were put in place in parallel with this development period. Resort guests on the bay have access from their properties onto the beach, but the many local residents and visitors (public visitors) who love the sandy beach, snorkeling, paddle boarding, surfing, swimming, and other ocean activities 'get to' the beach on this path/stairway at the Makai end of a hui road, Napili Place, or at a second access point mid-beach. Keeping Napili beach accessible to the public has been respectfully built into Napili's culture, but these structures are now showing severe signs of 'old age' and effects of old concrete materials and styles of construction. The option of simply closing off this heavily damaged public access stairs to the beach could be considered, but the community preference is to replace the unsafe stairs with a structure that is SAFER because it is well engineered and built of newer materials that are more resilient to effects of climate change on the island coastline. (UN Goals 13 and 11)

All funds requested are for purposes of replacement of this public beach access structure.

*Pat B. Lindquist
President 1/3/19*

Hawaii State Grant-in-Aid (GIA)
Fiscal Year 2020 Application

II. Background and Summary

1. Napili Bay and Beach Foundation, Inc. (NBBF) is a 501 (c) 3 non-profit organization formed in late 2006 with a mission of protecting and improving the health of Napili beach and bay. We are community-based with solid participation and support from the resorts and businesses comprising the Makai neighborhood at Napili. Major accomplishments of our Foundation since incorporation include: fund raising, planning and implementation of two large infrastructure remediation projects; helping create and underwrite an excellent DOH-approved Water Quality monitoring program here.
2. The goals and objectives of the project proposed here align well with two of the "17 Sustainable Development Goals" established by the United Nations to guide development plans and actions for a better world future, i.e. Goal 13: Climate Action, and Goal 11: Make ... human settlements ... resilient and sustainable.)

The specific goals of this project are the engineering design, permits and construction of an improved public access entrance to the south end of Napili beach. This structure has been severely impacted due to climate change effects such as rising sea levels and stronger storm events.

The plan is to remove the existing, aging (~ 30 years old) concrete public beach access stairs and replace them with a well-engineered set that are more resilient to effects of rising sea levels on the coastline (UN Goals 13 and 11). The existing stairs were essentially destroyed in a heavy south swell over Labor Day, 2017, after several years of periodic undercutting and refilling of the sand beneath that structure. Beach sand again filled in under the stairs by late October 2017, but as can be seen from the attached photos, the structural integrity of these stairs has been compromised. Photos taken during Fall, 2018 show crooked, uneven stairs, sometimes so far 'akilter' that they have to be barricaded from use. Future heavy wave action has high potential to tear them away from the beach altogether, as has happened to several sea walls, revetments, and other coastline structures on West Maui, where El Nino effects have been particularly destructive.

Overall objectives for this project are to continue to provide safe public access to the many residents and Maui visitors who enjoy Napili Beach, and to do so in a way that creates a structure that is more resilient to effects of rising sea levels due to climate change (UN Goals 13 and 11). Support of this project by Hawaii's State Legislature, in the form of a Grant in Aid, will be a good example of the State's intentions to take actions on these Sustainable Development Goals set by the United Nations (UN Goal 13 and 11).

3. This project meets the need of providing safe beach access to the public, for residents and visitors, and has also been used occasionally for evacuation of beach and bay guests who have been injured or become seriously ill. Napili is a very popular West Maui sandy beach, used by an estimated 200,000 people a year (~50,000 local residents and ~150,000 visitors).

The sheer numbers of residents and guests who use this access point to Napili Beach requires having a well designed, engineered and constructed structure. Not to do so means the coastal lands will be further degraded, which, in the face of increased Climate Change effects, will mean further damage to the headland, causing damage to the reef life at Napili Bay with degraded water quality and may also lead to unsafe beach activities and/or property loss, as has been seen in on other West Maui beaches such as Kahana (UN Goals 13 and 11).

Resorts on Napili Bay were developed in the early to mid 1970's and two public access paths were put in place in parallel with this development period. Napili beach resort guests have access from their properties onto the beach, but the many local residents and visitors who love the sandy beach, snorkeling, paddle boarding, surfing, swimming, and other ocean activities 'get to' the beach on this path/stairway at the Makai end of a hui road, Napili Place, or at a second access point mid-beach. Keeping Napili beach accessible to the public has been respectfully built into Napili's culture, as can be seen with this example:

- These stairs were put in place in the early 1990's in order to facilitate safe public access to Napili Beach from the elevated headland on the south end of the beach. As tourist guest numbers increased, the foot traffic and travel up and down the headland contributed to erosion, and increased the safety concerns involved with accessing Napili Beach for recreation. Community members leased the State property and installed the stairs, as well as a beach users' shower, and have maintained both for ~ 25 years. The resort closest to this structure has paid for all the water used by the public (their guests have a different beach shower) for all these years. A water meter installed at the time of construction (~1994) showed (2016) that 1 million gallons of water have been used to supply water to the beach shower, a significant public service.

Continuing to keep Napili beach accessible to the public is important to Napili's culture, but these structures are now showing severe signs of 'old age' and effects of old concrete materials and styles of construction. The option of simply closing off this heavily damaged public access point to the beach could be considered, but the community preference is to replace the unsafe stairs with a structure that is SAFER due to more modern engineering techniques and newer construction materials that are more resilient to effects of climate change on the island coastline. (UN Goals 13 & 11)

4. The population to be served are many local West Maui residents who know, love and frequent Napili Beach, for snorkeling, swimming, surfing, boogie boarding, other beach activities. In recent years, more and more of our beach guests have been tourists from nearby West Maui beaches that have suffered such severe erosion (e.g. Kahana, Honokowai) that there are no beaches left there. Napili roadsides are crowded due to parked cars with beach goers from 'down the road'.

Napili is also getting visitors from other parts of Maui beach who have seen Napili beach rated as a 'beautiful beach and bay' in Travel magazines or on Travel websites. The people who have lived, worked, or visited Napili Beach regularly over many (20 or 30 years), have testified that the beach has never been so crowded and busy as it has been in the past two or three years. This makes replacing these damaged public access stairs more important than ever.

5. Napili Bay and Beach is on the northwest coast of Maui, in the Kahana watershed region of the Northwest Maui Priority Area, also designated in April 2015 as a Resilient Land and Waters Initiative site by DOI, EPA and NOAA. Napili beach is ~ 5 miles north of Ka'anapali beach, and is bordered on the north by Kapalua Beach. The GPS coordinates are 20° 59' 44.11" N, 156° 40' 00.82" W. Visitors to Napili Beach range from international tourists on vacation, to Maui residents.

III. Service Summary and Outcomes

1. The Scope of Work encompasses (a) removal and replacement of public access stairs at south end of Napili beach. Please see supporting photos appended below.

a. Soil Investigation: Soil sampling of the headland area where stairs will be 'attached' will be performed by a licensed and bonded geotechnical consultant. This information on the subsurface conditions will be used to guide design of the new beach access stairs.

b. Design: A licensed and bonded architect will be contracted to develop best design for new stairs to the south end of Napili Beach from the existing public access path. "Best" is defined here as safest for all beach visitors and using materials which are more resilient to seasonal fluctuations in beach sand level, and DO NOT cause further beach erosion by increasing wave energy. (UN Goals 13 and 11)

c. Napili Bay and Beach Foundation members will review and approve final design.

d. Structural construction documents will be prepared by a licensed and bonded Structural Engineering consultant.

e. A licensed, bonded construction firm will be retained to demolish/remove old concrete stairs and build new public access structure, according to engineering specifications and following DLNR and Maui County BMPS. The construction contractor will also be responsible for obtaining Maui County and State DLNR permits and for coordinating all subcontractors (i.e. managing the project).

2. Pending successful approval of funding through this State Grant in Aid, we anticipate completion of these public access stairs during Fiscal Year 2020, working as weather allows.

3. In terms of Quality Assurance, all contractors hired for this project will be licensed and bonded firms with extensive experience performing many sensitive shoreline projects in conjunction with Maui County Planners and DLNR OCCL. Hiring qualified contractors has worked very well for us in previous infrastructure improvement projects. Further, Napili Bay and Beach Foundation will continue funding the ongoing Water Quality monitoring program by Hui O Ka Wai Ola, a program of Maui Nui Marine Resource Council, to ensure no negative impact on Napili Bay's reef life.

One of the desired outcomes for this new stairway is that it is less prone to causing and being affected by undercutting/erosion damage due to beach erosion (seasonal and ongoing) processes. This is of utmost importance for safe public access to the beach as well as for protecting Napili coastal land and marine resources. (UN Goal 13) Photographs will be taken before construction, during construction, and upon completion, to document 'as built' condition. Further, construction drawings can be provided, with material specifications to document 'as built' conditions.

4. Effectiveness will mean: ability to safely convey public beach visitors to the south end of Napili Beach. We can provide photographs taken during Summer and Winter high tourist seasons for an agreed-to reasonable number of years following installation of this new structure. Effectiveness will also mean that the stairs are engineered to withstand wave forces and beach erosion to which they will be exposed, minimizing any loss of structural integrity. Photographs, twice yearly (Summer and Winter swells) can be submitted over the course of an agreed-to number of years.

IV. Financial

1. Budget Justification Forms (see 5 following pages: Source of Funds; Personnel Salaries and Wages; Equipment and Motor Vehicles; Capital Project Details; Government Contracts, grants and grants in aid.)

2. Quarterly Funding Requests for FY 2020:

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total
\$75,000.	\$50,000.	0	0	\$125,000.

BUDGET REQUEST BY SOURCE OF FUNDS

Period: July 1, 2019 to June 30, 2020

App Napili Bay and Beach Foundation, Inc.

BUDGET CATEGORIES	Total State Funds Requested (a)	Total Federal Funds Requested (b)	Total County Funds Requested (c)	Total Private/Other Funds Requested (d)
A. PERSONNEL COST	0	0	0	0
1. Salaries				
2. Payroll Taxes & Assessments	0	0	0	0
3. Fringe Benefits	0	0	0	0
TOTAL PERSONNEL COST	0	0	0	0
B. OTHER CURRENT EXPENSES				
1. Airfare, Inter-Island	0	0	0	0
2. Insurance	0	0	0	0
3. Lease/Rental of Equipment	0	0	0	0
4. Lease/Rental of Space	0	0	0	0
5. Staff Training	0	0	0	0
6. Supplies	0	0	0	0
7. Telecommunication	0	0	0	0
8. Utilities	0	0	0	0
9				
10 SOUTH BEACH PUBLIC ACCESS		0	0	
11 Soils Engineering		0	0	7,000
12 Architectural Design		0	0	8,000
13 Structural Construction Drawings		0	0	5,000
14 Renew State Land Lease (55 years)	50,000	0	0	
15 SMA permits		0	0	561
16 Project Management	25,000	0	0	
17 Construction Estimate	50,000	0	0	
18				
19				
20				
TOTAL OTHER CURRENT EXPENSES	125,000			20,561
C. EQUIPMENT PURCHASES	0			
D. MOTOR VEHICLE PURCHASES	0			
E. CAPITAL	0			
TOTAL (A+B+C+D+E)	125,000			20,561
SOURCES OF FUNDING		Budget Prepared By:		
(a) Total State Funds Requested	125,000	Pat B. Lindquist	650-303-3150	
(b) Total Federal Funds Requested	0	Name (Please type or print) Phone		
(c) Total County Funds Requested	0	<i>Pat B. Lindquist</i>		
(d) Total Private/Other Funds Requested	20,561	Signature of Authorized Official Date		
TOTAL BUDGET	145,561	<i>Pat B. Lindquist</i>		
		Name and Title (Please type or print)		

BUDGET JUSTIFICATION - PERSONNEL SALARIES AND WAGES

Period: July 1, 2019 to June 30, 2020

Napili Bay and Beach Foundation, Inc.

POSITION TITLE	FULL TIME EQUIVALENT	ANNUAL SALARY A	% OF TIME ALLOCATED TO GRANT REQUEST B	TOTAL STATE FUNDS REQUESTED (A x B)
Not applicable; no NBBF personnel				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
TOTAL:				
JUSTIFICATION/COMMENTS:				

BUDGET JUSTIFICATION - EQUIPMENT AND MOTOR VEHICLES

Period: July 1, 2019 to June 30, 2020

Napili Bay and Beach Foundation, Inc.

DESCRIPTION EQUIPMENT	NO. OF ITEMS	COST PER ITEM	TOTAL COST	TOTAL BUDGETED
None...not applicable			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:				

JUSTIFICATION/COMMENTS:

DESCRIPTION OF MOTOR VEHICLE	NO. OF VEHICLES	COST PER VEHICLE	TOTAL COST	TOTAL BUDGETED
None - not applicable			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:				

JUSTIFICATION/COMMENTS:

BUDGET JUSTIFICATION - CAPITAL PROJECT DETAILS

Period: July 1, 2019 to June 30, 2020

Napili Bay and Beach Foundation, Inc.

FUNDING AMOUNT REQUESTED						
TOTAL PROJECT COST	ALL SOURCES OF FUNDS RECEIVED IN PRIOR YEARS		STATE FUNDS REQUESTED	OTHER SOURCES OF FUNDS REQUESTED	FUNDING REQUIRED IN SUCCEEDING YEARS	
	FY: 2017-2018	FY: 2018-2019	FY:2019-2020	FY:2019-2020	FY:2020-2021	FY:2021-2022
DESIGN and ENGINEERING	0	0		20000		
STATE LAND LEASE ACQUISITION	0	0	50000			
PROJECT MGT and PERMITS	0	0	25000	561		
CONSTRUCTION	0	0	50000			
EQUIPMENT	0	0	0			
TOTAL:	0	0	125,000	20,561		
JUSTIFICATION/COMMENTS:						
Design & Engineering estimates based on Fall, 2018 proposals, and will be paid by NBBF members. SMA permit costs to be paid by NBBF members						

GOVERNMENT CONTRACTS, GRANTS, AND / OR GRANTS IN AID

App: Napili Bay and Beach Foundation, Inc.

Contracts Total:

121,739

	CONTRACT DESCRIPTION	EFFECTIVE DATES	AGENCY	GOVERNMENT ENTITY (U.S. / State / Haw / Hon / Kau / Mau)	CONTRACT VALUE
1	Storm Runoff Remediation in Napili Bay - desilting basin outlet valve	1/2010 - 2/2011	NFWF/NOAA	U.S.	18,000
2		2011	Tri Isle RC&D	Maui	6,600
3		11/2011-1/2012	NBWMBF	N/A	12,000
4					
5	Streambed Repairs to reduce sedimented runoff at Napili Bay	8/2013 - 5/2015	NFWF/NOAA	U.S.	28,000
6		3/2012 - 11/2014	HCF/NOAA	U.S./Hawaii	20,200
7		12/2011-1/2012	HKWMCF	N/A	9,939
8		2014	Tri Isle RC&D	Maui	2,000
9					
10	Reducing Land-Based Pollutants to Napili Bay's Reef	9/2016 - 12/2018	NFWF/NOAA	U.S.	25,000
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

3. All other sources of funding to be sought in FY 2019/FY 2020:

NBBF will apply in Q1, 2019 for funding toward this project from

- a) Honua Kai West Maui Community Fund : request for funds to cover construction costs of more resilient stair structure.

The HK West Maui Community Fund was created to administer improvements projects for the public benefit, including improvement of coastal resources, roadway improvements, support for Native Hawaiian culture and other appropriate benefits to the North Beach/West Maui area and community.

- b) North Beach-West Maui Benefit Fund : Request will be to cover actual costs of 55 year State lease of the land needed to construct the new stairs and tie them into existing path (estimated to be ~200 sq. ft.

Formed in 2007 to make contributions for and administer designated improvement projects for the public benefit, including land acquisition, improvement of coastal resources, roadway improvements and other appropriate benefits of the North Beach-West Maui area and communities.

More specific purposes are: Improvement projects, including land acquisition, for betterment, preservation, maintenance, and protection of ocean, reef, marine life, shoreline, dunes, parks, open spaces, roadways, parking facilities, Hawaiian cultural sites and practices, and recreational facilities of Ka'anapali North Beach and West Maui, thereby enhancing the natural beauty and public enjoyment of the West Maui region.

4. NBBF, a 501 (c) 3 non-profit foundation, has not received any state or federal tax credits other than being exempt from paying taxes on federal grant monies and private donations received and expended for projects which protect and improve the health of Napili beach and bay.

5. In 2013, NBBF was awarded a two year grant from NFWF/NOAA of \$28,000. to help defray expenses for extensive removal of invasive trees/shrubs from an ephemeral stream, makai of desilting basin, Napili 4-5, and replanting it with native streambed plantings. A concurrent grant from Hawaii Community Foundation/NOAA of \$20,200. was also used to fund this project and to support initiation of Water Quality monitoring and Marine Biology monitoring programs at Napili Bay.

A complete listing of our government grants/contracts can be found in Budget Justification portion of this application.

6. Our current assets consist of a bank account at First Hawaiian Bank. Funds are used for operating expenses (liability insurance, bank and post office costs), and for program support (meeting matching obligations for Federal grants, creating educational materials, financing water quality monitoring and marine biology monitoring programs). The balance of unrestricted current assets as of 12.31.18 is \$38,215.52.

IV. Experience and Capability

1. Necessary Skills and Experience

Napili Bay and Beach Foundation has established a solid track record of identifying issues which threaten the health of the beach and bay at Napili, Maui, then raising federal and non-federal funds to mitigate these threats through infrastructure changes or by implementation of environmental monitoring programs. The Board members are

comprised of local residents who are General Managers of the resorts along Napili Beach (who are very aware of the threats and issues addressing those threats), a retired engineer who brings technical expertise to the water quality and marine biology monitoring programs), and a retired Program Manager with science background who is capable of managing projects with professional contractors, federal and non-federal granting agencies, county and state department heads.

Since 2011, we have

- replaced a non-functional outlet valve in a desilting basin above the bay,
- removed invasive streambed plants and restored with native plants
- funded and implemented DOH approved, ongoing water quality monitoring program for Napili Bay
- funded and conducted offshore sand confirmation study.

Details of these accomplishments:

1. Using 2011 funds from Federal grants, local granting agencies, and private donors, we successfully worked with Federal, State and County agencies to have a fully functional outlet valve designed and installed in Napili 4-5 desilting basin above the south end of Napili beach. The old outlet valve had disappeared in the open position, buried in silt, thus resulting in repeated runoff of heavily sedimented water into Napili Bay from 1993 to early 2011. A copy of the letter from David Goode, Dept. of Public Works Maui, attests to our success. (Supporting Document (S.D. 1.0)

2. A final summary report from the NFWF/NOAA grant (Fall, 2015) can be found as S.D. 2.0. This report captures results of our second major infrastructure project in which invasive Albizia trees, and shrubs were removed/replaced by native streambed plantings in the ephemeral stream makai of desilting basin, Napili 4-5. This project was funded by two Federal grants, and supported by our matching efforts and dollars.

3. Our initiation of a regular Water Quality monitoring program at Napili Bay, fostered growth, under Dana Reed's able leadership, into a HDOH approved program (Hui O Ka Wai Ola) that operates at multiple sites on the West Coast and South Shore of Maui. NBBF continues to support all sampling at Napili Bay with private funds. <https://www.huiokawaiola.com>

4. A summary of results from the 2018 offshore sand confirmation study conducted by "Rising Tide Engineering", under contract to NBBF. (S.D. 3.0)

For all of these projects, NBBF has worked with professional subject matter experts who bring the technical expertise needed for the projects undertaken.

2. Facilities

NBBF has no facilities of its own and no plan to secure facilities. The resort members of the Board of Directors provide space for team and community meetings and educational activities we sponsor.

VI. Personnel: Project Organization and Staffing

1. Proposed Staffing, Staff Qualifications, Supervision and Training

Soil Engineering, Architectural and Structural Engineering consultants will be retained for design and construction drawings of new public access stairs to the beach, and a construction firm will be retained for obtaining all necessary permits as well as demolition and installation of new south beach public entrance. The process to be followed is as follows: an NBBF member will be responsible for issuing an RFP to licensed, bonded General Contractor with Project Management on staff, who will hire the subcontractors with 'best fit' for the project. The NBBF member will pay invoices using private donation funds, State Grant in Aid funds, and any other grant monies received for purposes of this project, up to the total cost of the project.

There will be no NBBF 'staffing': project staffing will be provided by the firms under contract. This is a model which has worked well for us in our previous, successful infrastructure improvement projects, as well as our projects to support further restoration of Napili Beach:

- a. 2011 replacement of functional outlet valve and installation of grassed waterway at desilting basin, Napili 4-5. Arita Poulson, contractors.
- b. 2014 removal of invasive trees, shrubs from ephemeral stream to Napili Bay, and replacement with native streambed plantings. Convergent Conservation, contractor.
- c. 2018 Offshore sand quantity and quality assessment. Rising Tide Engineering, contractor.

2. Organization Chart

Board of Directors:

- Pat B. Lindquist, President – Program Manager (retired)
- Gregg Nelson, Vice-President – General Manager, Napili Kai Beach Resort
- Nane Aluli, Treasurer – General Manager, The Mauian
- Jamie Lung Ka'eo, Director – General Manager, Hale Napili
- Dana Reed, Director – Hui O Ka Wai Ola lead, Electrical Engineer (retired)
- Norm Runyan, Director – General Manager, Napili Shores Resort

Members at Large:

- Frederick Hidalgo – General Manager, Napili Sunset Beach Resort
- Tano Taitano – General Manager, Napili Surf Beach Resort
- Scott Ullrich – General Manager, Napili Surf Beach Resort (retired)

As for our previous infrastructure projects, NBBF will have a main 'point of contact' person from our six person Board of Directors for this project, with support provided, as needed, from the other NBBF members.

3. Compensation

NBBF is an all volunteer organization; there are no salaried positions. Requested funds will be used to compensate contractors, per terms of contract.

VII. Other

1. Litigation

No litigation past or pending.

2. Licensure or Accreditation

A contract is in process to hire

Michael Wright and Associates, Inc.
Construction Management
360 Hoohana St. #208
Kahului, HI 96732

to handle project management and construction of the stairs.

3. Private Educational Institution

Not Applicable

4. Future Sustainability Plan

NBBF will provide yearly update photos of public using new structures during 2020, 2021, 2022.

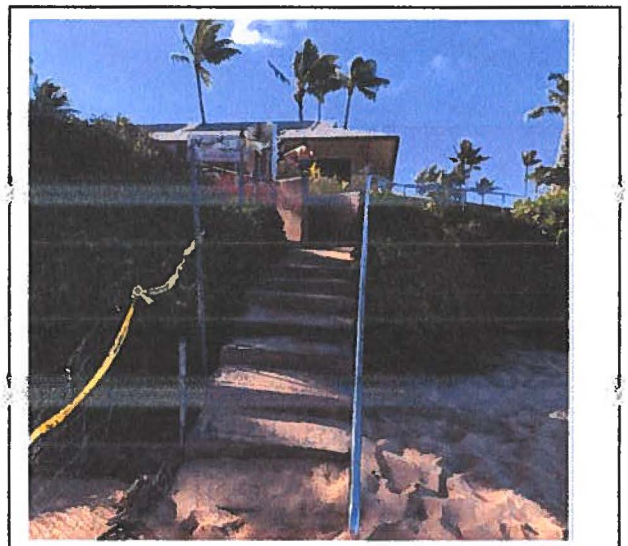
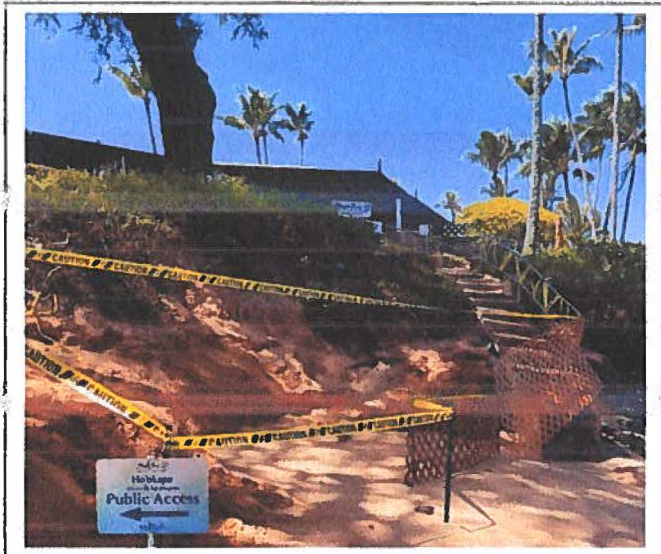
NBBF does not expect further funding for these structures beyond completion of construction.

5. Supporting Photographs

a. Photos of heavily damaged public beach entry stairs at Napili Beach, Labor Day, 2017



c. Photos of same public beach entry stairs, Fall 2018



6. Supporting Documents on following pages

- a. Letter from David Goode, Maui Dept. of Public Works
- b. Final summary report to NFWF/NOAA on streambed restoration
- c. Final summary report from Rising Tide on Sand Confirmation Study
- d. Letter from Tara Owens (UH Sea Grant)

ALAN M. ARAKAWA
Mayor

DAVID C. GOODE
Director

ROWENA M. DAGDAG-ANDAYA
Deputy Director

Telephone: (808) 270-7845
Fax: (808) 270-7955



COUNTY OF MAUI
DEPARTMENT OF PUBLIC WORKS
200 SOUTH HIGH STREET, ROOM NO. 434
WAILUKU, MAUI, HAWAII 96793

RALPH NAGAMINE, L.S., P.E.
Development Services Administration

CARY YAMASHITA, P.E.
Engineering Division

BRIAN HASHIRO, P.E.
Highways Division

September 29, 2011

Ms. Pat Lindquist
Napili Bay and Beach Foundation, Inc.
P. O. Box 10823
Lahaina, Maui, Hawaii 96761

Dear Ms. Lindquist:

On behalf of the County of Maui Department of Public Works, I would like to take this opportunity to thank you and the Napili Bay and Beach Foundation for the time, effort, and work invested into the Napili 4/5 Outlet Modification project.

We also thank you for working with our Department, the Natural Resources Conservation Service and the West Maui Soil and Water Conservation District in developing solutions for mitigating storm runoff damage in the area.

The Department commends your organization's efforts in protecting neighboring downstream properties, our shoreline, and our reef areas. The installation of the educational sign near the project site will also inspire community members, and most especially the youth, to protect our natural resources by keeping our stream beds clean and clear. Congratulations!

Sincerely,

DAVID C. GOODE
Director of Public Works

DCG:RMDA:jso
s:\rowena\plindquist_napili_4_5 outlet modification thanks



Final Programmatic Report Narrative

Instructions: Save this document on your computer and complete the narrative in the format provided. The final narrative should not exceed ten (10) pages; do not delete the text provided below. Once complete, upload this document into the online final programmatic report task as instructed. Please note that this narrative will be made available on NFWF's Grants Library and therefore should provide brief context for the need of your project and should not contain unexplained terms or acronyms.

1. Summary of Accomplishments

In four to five sentences, provide a brief summary of the project's key accomplishments and outcomes that were observed or measured. This can be duplicative to the summary provided in the reporting 'field' or you can provide more detail here.

Our grant proposal included three long term conservation outcomes:

- a) Further reduction of sediment laden runoff into Napili Bay by stabilizing the badly eroded streambed, 'Napili Kahawai'
- b) Protecting and encouraging viability of coral reef benthic habitat at Napili Bay
- c) Educating community members as to best management practices regarding the streambed and the benthic habitat

a) We achieved the first outcome by cleaning out debris, removing all invasive woody plants that have been causing streambank/streambed erosion, and replanting these areas with native plants suitable for erosion control of streambank. Ongoing plant maintenance and weeding activities are being funded by Napili Bay and Beach Foundation (NBBF) with non-Federal money.

a & b) We know that the streambanks are no longer eroding, based on sediment/turbidity monitoring following some very heavy Winter storms in 2015. Those data were shown in an interim report (February, 2015), and new data gathered this Summer are shown in the Project Documents section of this final report, "P.D. 1 Nutrient - Napili Bay".

c) Through a training workshop for Napili resort staff members and posts on our Facebook page, we have educated the community regarding the relationship of damage to the streambed and resulting damage to the reef.



EXECUTIVE SUMMARY

Chronic coastal erosion in the Napili Bay region is approaching critical levels. In the last two years erosion has been unusually bad, due to significant winter waves, episodic storm events and rising sea levels. The historical response to beach erosion in Maui has been to armor the shoreline using seawalls and revetments, which has in turn increased the rate of beach sand loss. The Napili Bay and Beach Foundation (NBBF) have taken the State of Hawaii's accepted approach of beach nourishment, using offshore sand to remediate sand erosion and return the Napili beach to its historical width and shape. In order to prove that there are sufficient quantities of sand, suitable for placement on the beach, within a reasonable dredging distance from the beach, the NBBF put forward a Request for Proposals for an offshore sand confirmation study. The findings of this study will support the planning phase for a beach restoration at Napili, which will involve recovery of offshore sand to place on the beach, under the guidelines and within the parameters of the SSBN II program. Rising Tide Engineering Inc. (Rising Tide or RTE) were awarded this study to undertake exploration of underwater sand deposits in the Napili Bay area. Six sand sites (N1- N6) were identified that met preliminary criteria for prospective sand sources, including continuous sand pockets that were within 2.5 km of the project beach, in less than 50 feet of water and that individually had areas greater than 5,000 m² and minimal benthic habitat.

After initial reconnaissance dives to evaluate the benthic habitat and verify the sand site boundaries (polygons), RTE characterized the volume and quality of sand available at each site. Extensive sand-depth measurements were made with a jet-probe, and a small vibrating coring device was used to take cores at priority sites. Averaged sand depth measurements from each sand site were used to estimate its total available sand volume. Surface sand samples were collected from the project beach and from each study site in order to compare grain size distributions and evaluate the suitability of each sand source for use in beach restoration.

Across the 11 sites, 15 dives were conducted, 417 jet-probe sand depth measurements were made, 8 sand cores were collected; 8 sand grab samples were collected from 4 beach transects and 11 benthic sand grab samples were collected from 11 sample sites. The results confirmed total sand quantities of the combined sand sites N1 – N6 of 134,640 yd³ (102,939 m³). Sufficient quantities of sand volumes exist within 1,500 feet of the Napili Beach for multiple beach nourishments under the current SSBN Cat II guidelines. In the closest two sand sites - N1 and N3, there is estimated to be a total sand volume of 61,000 yd³ and a conservative "usable" sand volume of 31,000 yd³.

The analysis of the sand grain size and qualitative factors was undertaken to determine if the sand from the key offshore sites fits the State guidelines. Polygons N1, N3 and N5 are the most adjacent to the Napili Beach. Polygon N1 and N5 sand samples generally match the beach sand samples and fall within the 20% suitability limits and with no more than 50 (fifty) % of the fill sand having a grain diameter less than 0.125 mm. Polygon N3 mostly falls within the suitability limits and would likely be acceptable to the DLNR. Sand from polygons N2, N4 and N6 may be suitable for placement on the beach but is uniformly finer than sand samples collected from the beach. The approval of DLNR and calculation of the



University of Hawai'i Sea Grant College Program

2525 Correa Road • HIG 238 • Honolulu, Hawai'i 96822 • Phone: (808) 956-7031 • <http://seagrants.soest.hawaii.edu>

School of Ocean and Earth Science and Technology

Senate Committee on Ways and Means

Attn: GIA

Hawaii State Capitol, Rm. 208

415 South Beretania Street

Honolulu, HI 96813

January 10, 2019

Re: Support for the State Grant-in-Aid application from the Napili Bay and Beach Foundation

Aloha Senate Committee on Ways and Means,

As you consider applications for the FY2019 Grant-in-Aid program, we would like to express our support for the application submitted by the Napili Bay and Beach Foundation (NBBF) to promote public shoreline access and beach preservation at Napili Bay.

The University of Hawai'i Sea Grant College Program (Hawai'i Sea Grant) is one of 33 Sea Grant programs nationwide that comprise a functional network within our nation's universities and colleges. Hawai'i Sea Grant's goal is to promote enhanced understanding, conservation, and wise use of marine and coastal resources for sustainable coastal economies. Our partnership with the County of Maui was established over twenty years ago and continues to provide on-site specialized expertise and technical assistance to support planning and decision-making related to coastal management and coastal hazards. In this role, I have been working with the NBBF for nearly 9 years as they have partnered with County Departments, subject matter experts, and local stakeholders to pursue a range of projects to restore and enhance the overall health of Napili Bay. The NBBF has a successful track record of bringing stakeholders together to develop common goals and then following through to achieve an outcome.

In this case, the NBBF is proposing to use grant-in-aid funding to supplement local support to provide much needed beach preservation and shoreline access improvements at Napili Bay. This is in line with our collective programmatic goals, including a major tenant of the Hawaii coastal zone management program to provide public shoreline access. Moreover, this comes at a very critical time in West Maui when the impacts of high waves and shoreline erosion are already severe and impacting the existence of access to and along the shoreline. The public access at the south end of Napili Bay has been periodically undermined by erosion and seasonal beach changes and we know that these conditions will increase in frequency. However, proactive steps can be taken now to improve shoreline

The University of Hawai'i Sea Grant College Program supports an innovative program of research, education, and extension services directed to the improved understanding and stewardship of coastal and marine resources of the state, region, and nation.

Science serving Hawai'i and the Pacific since 1968.