

**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:

Malama Haleakala Foundation

Amount of State Funds Requested: \$888,800

Brief Description of Request (Please attach word document to back of page if extra space is needed):

Axis Deer have become an existential threat to environmental preservation on Haleakala. The deer destroy vegetation, denuding the landscape. Tens of thousands of acres of land are then subject to severe erosion, with topsoil running into streams and ultimately flooding Kihei, Wailea, and Makena with mud before finally entering the ocean. This sediment then chokes coral reef and destroys the nearshore marine environment. Through invasive species control, namely by installing feral ungulate fencing, Malama Haleakala Foundation can protect the watershed and nearshore ocean environment.

Amount of Other Funds Available:

State: \$ 0

Federal: \$ 0

County: \$ 0

Private/Other: \$ 0

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

\$ 0

Unrestricted Assets:

\$ 0

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:

529 Kealaloa Avenue

City:

State:

Zip:

Makawao

HI

96768

Contact Person for Matters Involving this Application

Name:

Michael Reyes

Title:

President

Email:

mreyesecology@gmail.com

Phone:

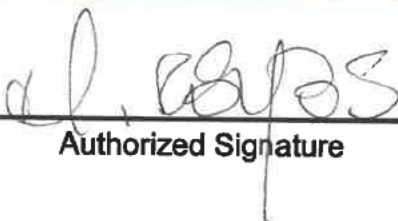
808-866-6919

Federal Tax ID#:

██████████

State Tax ID#:

██████████



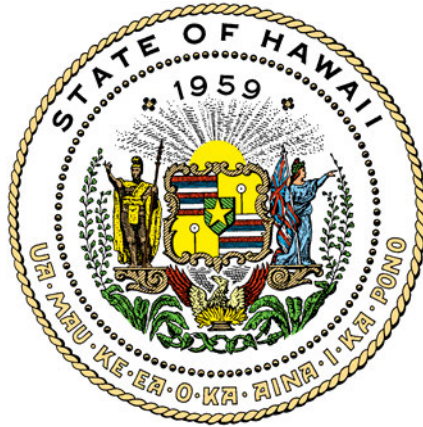
Authorized Signature

President

Name and Title

1/18/2023

Date Signed



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

MALAMA HALEAKALA FOUNDATION

was incorporated under the laws of Hawaii on 01/11/2023 ; 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: January 18, 2023

Director of Commerce and Consumer Affairs

**DECLARATION STATEMENT OF
APPLICANTS FOR GRANTS PURSUANT TO
CHAPTER 42F, HAWAII REVISIED STATUTES**

The undersigned authorized representative of the applicant certifies the following:


- 1) The applicant meets and will comply with all of the following standards for the award of grants pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is licensed or accredited, in accordance with federal, state, or county statutes, rules, or ordinances, to conduct the activities or provide the services for which a grant is awarded;
 - b) Complies with all applicable federal and state laws prohibiting discrimination against any person on the basis of race, color, national origin, religion, creed, sex, age, sexual orientation, or disability;
 - c) Agrees not to use state funds for entertainment or lobbying activities; and
 - d) Allows the state agency to which funds for the grant were appropriated for expenditure, legislative committees and their staff, and the auditor full access to their records, reports, files, and other related documents and information for purposes of monitoring, measuring the effectiveness, and ensuring the proper expenditure of the grant.
- 2) If the applicant is an organization, the applicant meets the following requirements pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is incorporated under the laws of the State; and
 - b) Has bylaws or policies that describe the manner in which the activities or services for which a grant is awarded shall be conducted or provided; and
- 3) If the applicant is a non-profit organization, it meets the following requirements pursuant to Section 42F-103, Hawaii Revised Statutes:
 - a) Is determined and designated to be a non-profit organization by the Internal Revenue Service; and
 - b) Has a governing board whose members have no material conflict of interest and serve without compensation.
- 4) The use of grant-in-aid funding complies with all provisions of the Constitution of the State of Hawaii (for example, pursuant to Article X, section 1, of the Constitution, the State cannot provide "... public funds ... for the support or benefit of any sectarian or nonsectarian private educational institution...").

Pursuant to Section 42F-103, Hawaii Revised Statutes, for grants used for the acquisition of land, when the organization discontinues the activities or services on the land acquired for which the grant was awarded and disposes of the land in fee simple or by lease, the organization shall negotiate with the expending agency for a lump sum or installment repayment to the State of the amount of the grant used for the acquisition of the land.

Further, the undersigned authorized representative certifies that this statement is true and correct to the best of the applicant's knowledge.

Malama Haleakala Foundation

(Typed Name of Individual or Organization)



(Signature)

01/18/2023

(Date)

Michael Reyes

(Typed Name)

President

(Title)

Public Purpose Statement

(1) The name of the requesting organization or individual;

Malama Haleakala Foundation

(2) The public purpose for the grant;

This grant money will serve the public by mitigating for axis deer damage that is currently causing severe, landscape-wide erosion to occur during stormwater events. By fencing off and curbing axis deer populations, both flood damage to the urban areas of Kihei, Wailea, and Makena will be minimized. By decreasing the erosion potential of agricultural lands, we will be improving water quality associated coral reefs and the nearshore coastal waters.

(3) The services to be supported by the grant;

This grant will pay for the building of feral ungulate fencing at key locations on Department of Hawaiian Homelands, Kaonoulu, Haleakala, and Ulupalakua Ranches. These fencing locations have been chosen because they connect existing fences and will create large containment areas to better control axis deer populations.

(4) The target group; and

The target groups include Kaonoulu, Haleakala, and Ulupalakua Ranches, Department of Hawaiian Homelands, and the coastal communities of Kihei, Wailea, and Makena.

(5) The cost of the grant and the budget. [L 1997, c 190, pt of §3; am L 2014, c 96, §6]

The total amount requested is \$888,800. This money will be used to build 40,400 feet of feral ungulate fencing on three ranches as well as DHHL property. These costs include approximately \$535,000 in materials and \$353,800 in labor.

Background and Summary

1. Background:

Malama Haleakala Foundation was established in 2022 with the goals of supporting the protection of the vital terrestrial and near shore ecosystems of Haleakala. This includes planning, funding, and implementation of preservation and protection projects including but not limited to: Feral ungulate fencing, invasive species control and management, soil protection and erosion mitigation, coastal water quality and nearshore habitat rehabilitation, public education, and research and planning. Malama Haleakala Foundation aims to facilitate collaboration between regional landowners and stakeholder to support implementation of preservation and protection programs.

Governor Josh Green recently issued a sixth emergency proclamation to provide additional relief to Maui County in its ongoing axis deer crisis, extending the emergency period through March 18, 2023.

The axis deer population has ballooned to 60,000 or more, which the natural resources of Maui County cannot sustain. The deer have devastated pastoral forage land and vegetation already scarce due to ongoing drought conditions. The invasive deer are migrating into agricultural areas and developed neighborhoods in search of food and water, creating the potential of spreading disease around the environment. There are increasing reports that deer are foraging in urbanized areas.

2. Goals and Objectives

The goal of this request is to construct strategically placed feral ungulate fencing in three areas on Leeward Haleakala with the objective of controlling axis deer populations and minimizing soil erosion during stormwater events. These fencing locations are on Department of Hawaiian Homelands, Kaonoulu, Haleakala, and Ulupalakua Ranches. These locations have been chosen because they connect with existing fences and will create large containment areas to better control axis deer populations.

3. Public Purpose

This grant money will serve the public by mitigating for axis deer damage that is currently causing severe, landscape-wide erosion to occur during stormwater events. By fencing off and curbing axis deer populations, both flood damage to the urban areas of Kihei, Wailea, and Makena will be minimized. By decreasing the erosion potential of agricultural lands, we will be improving water quality associated coral reefs and the nearshore coastal waters.

4. Describe the target population to be served; and

The target groups include Kaonoulu, Haleakala, and Ulupalakua Ranches, Department of Hawaiian Homelands, and the coastal communities of Kihei, Wailea, and Makena.







5. Describe the geographic coverage.

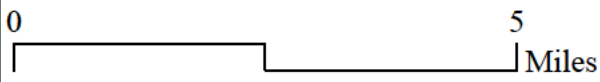
These fences will be installed at strategic locations in the Southwest Maui Watershed. Please see the attached map. The South Maui Watershed is a 49,688-acre area designated by the State of

Hawaii as the Hapapa, Wailea, and Mo‘oloa watersheds. The watershed extends from near the summit of Haleakala down to coastal areas, with 11 major drainage basins discharging to the Kihei-Wailea-Makena coastline. The entire coastline of the planning area is part of the Hawaiian Islands Humpback Whale National Marine Sanctuary. The upcountry areas are primarily forests, farms, and ranch lands, and the coastal areas are developed resort, urban, and residential areas. The three watersheds of the planning area encompass diverse habitat types utilized by a significant number of threatened and endangered species, including alpine, dryland forest, scrub and shrub, grasslands, coastal and elevated wetlands, ephemeral streams, estuaries, dune systems, tidal pools, rocky shorelines, and coral reefs.

Feral Ungulate Control			
Ranch	Fencing Length (ft)	Cost Per Foo	Total Cost
Kaonoulu Ranch	10,000	22	\$220,000
Haleakala Ranch	13,400	22	\$294,800
Kaonoulu Ranch	17,000	22	\$374,000
Grand Total			\$888,800

Legend

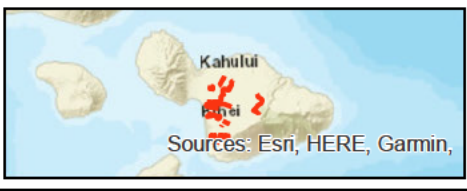
-  Ulupalakua Fence (17,000 ft)
-  Haleakala Fence (13,400 ft)
-  Kaonoulu Fence (10,000ft)
-  Planned Deer Fence
-  Existing Deer Fence
-  TMK Boundaries



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

MALAMA
HALEAKALA
FOUNDATION

**DEER FENCING
NEEDED TO CONTROL
AXIS DEER
MAUI COUNTY, HI**



**DEER FENCING
MAP**

Service Summary and Outcomes

1. Describe the scope of work, tasks and responsibilities;

Malama Haleakala Foundation will purchase fencing materials and hire contractors to install feral ungulate fencing in strategically positions within the Southwest Maui Watershed. Malama Haleakala Foundation directors, in partnership with Kaonoulu, Haleakala, Ulupalakua, and Department of Hawaiian Homelands, will inspect the newly established fencing to ensure it is being properly installed.

2. Provide a projected annual timeline for accomplishing the results or outcomes of the service.

Beginning from Notice to Proceed, fencing materials will be ordered. These materials are shipped from the mainland and typically arrive in 45 to 60 days. Fencing installation will then begin at each of the three strategically placed locations simultaneously. Fencing installation takes approximately 45 days per mile. Therefore, the fence proposed to be installed between Kaonoulu Ranch and Department of Hawaiian Homelands is 10,000 feet long (or approximately two miles) and will take approximately three months to complete. The fence on Haleakala Ranch is 13,400 feet long and will take approximately four months to complete. The fence on Ulupalakua Ranch is 17,000 feet long and will take approximately five months to complete. Please see the timeline below:

Timeline:	Activity
Notice to Proceed (NTP)	Order fencing materials
NTP + 2 months	Receive fencing materials
NTP + 3 months	Begin fencing at all three locations
NTP + 6 months	Complete fencing between Kaonoulu and DHHL
NTP + 7 months	Complete fencing on Haleakala Ranch
NTP + 8 months	Complete fencing on Ulupalakua Ranch
NTP +10 months	Submit Project Summary

3. Describe its quality assurance and evaluation plans for the request.

Malama Haleakala Foundation will work closely with Kaonoulu, Haleakala, and Ulupalakua Ranches as well as the Department of Hawaiian Homelands to ensure fencing is being installed appropriately and that fencing lengths are being met.

4. List the measure(s) of effectiveness that will be reported to the State agency through which grant funds are appropriated (the expending agency).

While feral ungulate fencing is vital to properly mitigating for axis deer damage at the landscape level, the effectiveness of this fencing project will not be immediately apparent. Once fencing is in place, culling of the deer populations within these areas will still have to occur. That being said, the effectiveness of feral ungulate fencing in protecting ecologically sensitive areas is well documented. To measure the success of the fence installation, regular progress monitoring will occur. Pictures will be taken of newly established fences and their locations on the landscape will be recorded using a sub-meter GPS. Maps will be created depicting the actual location of the newly installed fences as well as how they tie into existing fences already on the landscape.

Financial

1. Financial Spreadsheets A – E are attached.
2. The following table provides the anticipated quarterly funding requests for fiscal year 2024.

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
\$535,000	\$176,900	\$176,900	0	\$888,800

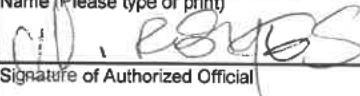
3. Malama Haleakala Foundation is not currently seeking any additional funding for fiscal year 2024.
4. Malama Haleakala Foundation has not received state and federal tax credits as we are a new non-profit.
5. Malama Haleakala Foundation is a new non-profit and therefore has not received any federal, state, or county government contracts, grants, or grants in aid within the past three years.
6. As a newly formed non-profit, the balance of assets for Malama Haleakala Foundation is zero dollars.

BUDGET REQUEST BY SOURCE OF FUNDS

Period: July 1, 2023 to June 30, 2024

App

Malama Haleakala Foundation

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				
1. Salaries	0			
2. Payroll Taxes & Assessments	0			
3. Fringe Benefits	0			
TOTAL PERSONNEL COST				
B. OTHER CURRENT EXPENSES				
1. Airfare, Inter-Island	0			
2. Insurance	0			
3. Lease/Rental of Equipment	0			
4. Lease/Rental of Space	0			
5. Staff Training	0			
6. Supplies	0			
7. Telecommunication	0			
8. Utilities	0			
9. Fencing Materials	535,000			
10. Fencing Labor	353,800			
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
TOTAL OTHER CURRENT EXPENSES	888,800			
C. EQUIPMENT PURCHASES				
D. MOTOR VEHICLE PURCHASES				
E. CAPITAL				
TOTAL (A+B+C+D+E)	888,800			
SOURCES OF FUNDING		Budget Prepared By:		
(a) Total State Funds Requested	888,800	Michael Reyes	808-866-6919	
(b) Total Federal Funds Requested		Name (Please type or print)	Phone	
(c) Total County Funds Requested			44,944	
(d) Total Private/Other Funds Requested		Signature of Authorized Official	Date	
TOTAL BUDGET	888,800	Michael Reyes President		
		Name and Title (Please type or print)		

BUDGET JUSTIFICATION - EQUIPMENT AND MOTOR VEHICLES

Period: July 1, 2023 to June 30, 2024

Applicant: _____ Malama Haleakala Foun

DESCRIPTION EQUIPMENT	NO. OF ITEMS	COST PER ITEM	TOTAL COST	TOTAL BUDGETED
Not Applicable - No Equipment will be purchased			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:				
JUSTIFICATION/COMMENTS:				

DESCRIPTION OF MOTOR VEHICLE	NO. OF VEHICLES	COST PER VEHICLE	TOTAL COST	TOTAL BUDGETED
Not Applicable - No vehicles will be purchased			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:				
JUSTIFICATION/COMMENTS:				

BUDGET JUSTIFICATION - CAPITAL PROJECT DETAILS

Period: July 1, 2023 to June 30, 2024

Applicant: _____ Malama Haleaka

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: 2021-2022	FY: 2022-2023	FY:2023-2024	FY:2023-2024	FY:2024-2025	FY:2025-2026
PLANS	Not Applicable					
LAND ACQUISITION	Not Applicable					
DESIGN	Not Applicable					
CONSTRUCTION	Not Applicable					
EQUIPMENT	Not Applicable					
TOTAL:						
JUSTIFICATION/COMMENTS:						
Not Applicable - No Capital Projects are associated with this fencing project						

GOVERNMENT CONTRACTS, GRANTS, AND / OR GRANTS IN AID

App: Malama Haleakala Foundation Contracts Total: -

	CONTRACT DESCRIPTION	EFFECTIVE DATES	AGENCY	GOVERNMENT ENTITY (U.S./State/Hawaii/ Honolulu/ Kauai/ Maui County)	CONTRACT VALUE
1	Not Applicable - Malama Haleakala Foundation				
2	does not currently have any government contracts,				
3	grants, or grant in aid				
4					
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Experience and Capability

1. Necessary Skills and Experience

The Malama Haleakala Foundation Board is made up of three directors including Michael Reyes as President, Scott Fisher as Treasurer, and Tova Callender. Each director brings a unique and important skill set to the table. While our non-profit is new, our board members have been working with stakeholders in the community to address land-based sources of pollution for decades. While we will not personally be installing fences, we have a close relationship with both fencing contractors and the ranches where these fences will be installed. Biographies for each director are provided below.

Michael Reyes, President – As the senior ecologist and principal owner of Maui Environmental Consulting, LLC (MEC), Michael Reyes' educational and professional experiences have provided him with an extensive background in several aspects of ecology and water quality. He has experience in environmental assessments, listed species surveys, Low Impact Design (LID), water quality evaluations, surface water monitoring, and numerous wetland delineations/evaluations. Mike has been certified by the National Society for Wetland Scientists as a Professional Wetland Scientist (PWS#2303). He is proficient in the use of Geographic Information Systems (ArcGIS) and Global Positioning Systems (GPS) technologies. Other areas of proficiency include stormwater management plans and implementation, Microsoft Office applications, and water quality instruments including multi-parameter sampling units and turbidimeters. Michael authored the Southwest Maui Watershed Plan as well as the Pohakea watershed Plan, both of which have been approved by the Hawaii Department of Health Clean Water Branch and by the Environmental Protection Agency.

Scott Fisher, Treasurer - Scott grew up in Kula, and at age 17 enlisted in the United States Marine Corps. After his discharge, he studied at Colorado State University. Scott's graduate work includes an M.A. in Peace Studies with a concentration in Native Hawaiian Strategies of Peacemaking and Reconciliation. His PhD. explored the dynamics of post-conflict recovery in a civil war on the island of Bougainville, Papua New Guinea, with a particular emphasis on how communities make wise decisions about conflicts over natural resources. Scott also has a graduate degree in ecological restoration, and is currently working on a graduate certificate in sustainable agriculture. Between 2017 and 2019 Scott worked for three summers at the University of Leicester, UK in a research fellowship in Paleoecology.

Since 2003 Scott has worked for the Maui Coastal Land Trust, first as a project manager at the land trust's 277-acre Waihe'e Coastal Dunes and Wetlands Refuge and is now the Director of 'Āina Stewardship for Hawai'i Land Trust. In this capacity he has led all aspects of the ecological restoration work conducted by the Land Trust. Scott serves on the Maui/Lana'i Island Burial Council and works at his 4-acre 'ulu farm in Waikapū on the weekends.

Tova Callender, Secretary - Tova has worked as the West Maui Watershed and Coastal Management Coordinator supporting the goals of the West Maui Ridge to Reef Initiative for the past eleven years. In this capacity, she has built relationships with a wide list of partners, stakeholders and landowners in the region while coordinating the planning, research,

implementation, monitoring and outreach aspects of the Initiative's work to address land-based sources of pollution impacting nearshore ecosystems in five watersheds. In this time, she has worked closely with partner organizations and contractors on planning and executing dozens of mitigation projects. Over the past year, state and local partners have begun exploring how lessons learned and relationships developed can be leveraged to reduce pollution in other leeward watersheds including South Maui.

Previously, she worked in West Maui for six years managing a sustainable agriculture effort, including supporting ag research and the development of community gardens. Tova holds a Master of Environmental Science and Management from the University of California, Santa Barbara as a B.Sc. in Environmental Biology from McGill University. She is trained in collaborative leadership and is a graduate of the Hawaii Agricultural Leadership Foundation.

2. Facilities

Malama Haleakala Foundation has met with Kaonoulu, Haleakala, and Ulupalakua Ranches regarding this fencing project. All three ranches have offered their facilities for material storage. In addition, they have offered their equipment and personnel if needed for fence installation.

Personnel: Project Organization and Staffing

1. Proposed Staffing, Staff Qualifications, Supervision and Training

The applicant shall describe the proposed staffing pattern and proposed service capacity appropriate for the viability of the request. The applicant shall provide the qualifications and experience of personnel for the request and shall describe its ability to supervise, train and provide administrative direction relative to the request.

Malama Haleakala Foundation intends to subcontract fencing installation to professional fencing companies or to utilize ranch personnel who regularly install fencing.

2. Organization Chart

The applicant shall illustrate the position of each staff and line of responsibility/supervision. If the request is part of a large, multi-purpose organization, include an organization chart that illustrates the placement of this request.

Michael Reyes – President
Scott Fisher – Treasurer
Tova Callender – Secretary

All additional work associated with this project will be conducted by fencing companies or ranch personnel.

3. Compensation

The applicant shall provide an annual salary range paid by the applicant to the three highest paid officers, directors, or employees of the organization by position title, not employee name.

Malama Haleakala Foundation directors do not receive compensation.

Other

1. Litigation

Malama Haleakala Foundation is not associated with any past, current, or pending litigation.

2. Licensure or Accreditation

The applicant shall specify any special qualifications, including but not limited to licensure or accreditation that the applicant possesses relevant to this request.

Malama Haleakala Foundation board members have advanced degrees, a PWS certification, as well as decades of land management experience in Maui County.

3. Private Educational Institutions

The grant will not be used to support or benefit either a sectarian or non-sectarian private educational institution.

4. Future Sustainability Plan

Feral ungulate fencing on leeward Haleakala has been underway for several years. Kaonoulu, Haleakala, and Ulupalakua Ranches has collectively spent millions of dollars to erect and maintain deer fences. Because of how extreme the damage that is being caused by axis deer, these ranches will continue to fence their lands or face ending their cattle ranching practices.

Governor Josh Green recently declared the sixth emergency relief period for the axis deer crisis in Maui County. The Hawai'i Department of Agriculture opened an emergency loan program in 2022, to help farmers with costs associated with the overpopulation of axis deer in Maui County. The low-interest emergency loans offer farmers and ranchers at least some relief toward mitigating losses and assisting with the cost of fencing and other preventive measures.

Governor Green has extended the emergency relief period to enable the state and the County of Maui to continue taking steps to reduce and control axis deer populations and implement management strategies. Measures may include corralling of axis deer, culling of deer to sustainable levels, clearing vegetation along fence lines and constructing or reinforcing fence lines to protect roadways, airports and runways from axis deer incursions.