

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

Type of Grant Request:

Operating Capital

Legal Name of Requesting Organization or Individual: Db: Big Island Resource Conservation and Development Council (as Fiscal Sponsor for BIISC) Big Island Resource Conservation and Development Council

Amount of State Funds Requested: \$ 300,000

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

This project will remove hazardous albizia from public roads and infrastructure corridors to prevent power failures and road closures, protect lives and homes, reduce long-term roadside maintenance costs, and thereby increase community resiliency to natural disasters. This project will be carried out by the Big Island Invasive Species Committee (BIISC), a project under the University of Hawaii, Manoa, as a fiscally sponsored project of Big Island RC&D. All grants and contracts mentioned in this proposal are specific to BIISC.

Amount of Other Funds Available:

State: \$ 79,005 (will apply for)
Federal: \$ 0
County: \$ \$25,000 (will apply for)
Private/Other: \$ 0

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

\$ GIA: \$500K, All State Grants: \$7M
Unrestricted Assets:
\$ Less than \$2,000

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:

200 Kanoelehua Ave. PMB 285

City: State: Zip:
Hilo Hawaii 96720

Contact Person for Matters Involving this Application

Name: Brandi Milare	Title: Program Manager
Email: bircd1@gmail.com	Phone: 808-217-7234

Federal Tax ID#: State Tax ID#



Authorized Signature

Larry M. Komata, President

Name and Title

01-20-2022

Date Signed

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.

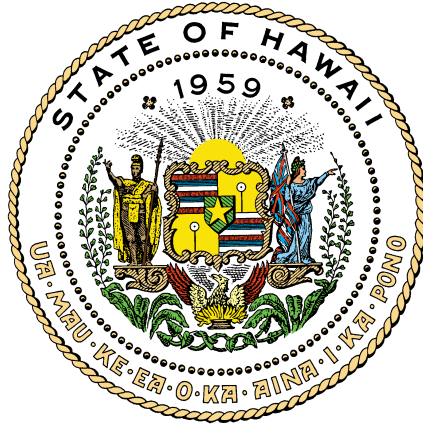
- 1) Certificate of Good Standing (If the Applicant is an Organization)
- 2) Declaration Statement
- 3) Verify that grant shall be used for a public purpose
- 4) Background and Summary
- 5) Service Summary and Outcomes
- 6) Budget
 - a) Budget request by source of funds ([Link](#))
 - b) Personnel salaries 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


AUTHORIZED SIGNATURE

LARRY M. KOMATA
PRINT NAME AND TITLE

01-20-2022

DATE



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

BIG ISLAND RESOURCE CONSERVATION AND DEVELOPMENT COUNCIL

was incorporated under the laws of Hawaii on 10/12/1989 ;
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 20, 2022

Director of Commerce and Consumer Affairs



**STATE OF HAWAII
STATE PROCUREMENT OFFICE**

CERTIFICATE OF VENDOR COMPLIANCE

This document presents the compliance status of the vendor identified below on the issue date with respect to certificates required from the Hawaii Department of Taxation (DOTAX), the Internal Revenue Service, the Hawaii Department of Labor and Industrial Relations (DLIR), and the Hawaii Department of Commerce and Consumer Affairs

Vendor Name: **BIG ISLAND RESOURCE CONSERVATION AND DEVELOPMENT COUNCIL**

DBA/Trade Name: **Big Island Resource Conservation and Development Council**

Issue Date: **01/20/2022**

Status: **Compliant**

Hawaii Tax#: 40435414-01

New Hawaii Tax#:

FEIN/SSN#: XX-XXX9188

UI#: XXXXXX8741

DCCA FILE#: 77190

Status of Compliance for this Vendor on issue date:

Form	Department(s)	Status
A-6	Hawaii Department of Taxation	Compliant
8821	Internal Revenue Service	Compliant
COGS	Hawaii Department of Commerce & Consumer Affairs	Exempt
LIR27	Hawaii Department of Labor & Industrial Relations	Compliant

Status Legend:

Status	Description
Exempt	The entity is exempt from this requirement
Compliant	The entity is compliant with this requirement or the entity is in agreement with agency and actively working towards compliance
Pending	A status determination has not yet been made
Submitted	The entity has applied for the certificate but it is awaiting approval
Not Compliant	The entity is not in compliance with the requirement and should contact the issuing agency for more information

**DECLARATION STATEMENT OF
APPLICANTS FOR GRANTS PURSUANT TO
CHAPTER 42F, HAWAI'I REVISED 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, Hawai'i 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, Hawai'i 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.
- 3) If the applicant is a non-profit organization, it meets the following requirements pursuant to Section 42F-103, Hawai'i 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.

Pursuant to Section 42F-103, Hawai'i 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.

Big Island Resource Conservation and Development Council

(Typed Name of Individual or Organization)

 01-20-2022
(Signature) (Date)

Larry M. Komata President
(Typed Name) (Title)

INTERNAL REVENUE SERVICE
DISTRICT DIRECTOR
2 CUPANIA CIRCLE
MONTEREY PARK, CA 91755-7406

DEPARTMENT OF THE TREASURY

Date: MAY 10 1994

BIG ISLAND RESOURCE CONSERVATION
AND DEVELOPMENT COUNCIL
PO BOX 2975
KAMUELA, HI 96743-2975

Employer Identification Number:
99-0279188
Case Number:
954108041
Contact Person:
CAROLYN TSCHOPIK
Contact Telephone Number:
(213) 725-7002
Our Letter Dated:
October 17, 1990
Addendum Applies:
No

Dear Applicant:

This modifies our letter of the above date in which we stated that you would be treated as an organization that is not a private foundation until the expiration of your advance ruling period.

Your exempt status under section 501(a) of the Internal Revenue Code as an organization described in section 501(c)(3) is still in effect. Based on the information you submitted, we have determined that you are not a private foundation within the meaning of section 509(a) of the Code because you are an organization of the type described in section 509(a)(1) and 170(b)(1)(A)(vi).

Grantors and contributors may rely on this determination unless the Internal Revenue Service publishes notice to the contrary. However, if you lose your section 509(a)(1) status, a grantor or contributor may not rely on this determination if he or she was in part responsible for, or was aware of, the act or failure to act, or the substantial or material change on the part of the organization that resulted in your loss of such status, or if he or she acquired knowledge that the Internal Revenue Service had given notice that you would no longer be classified as a section 509(a)(1) organization.

If we have indicated in the heading of this letter that an addendum applies, the addendum enclosed is an integral part of this letter.

Because this letter could help resolve any questions about your private foundation status, please keep it in your permanent records.

If you have any questions, please contact the person whose name and telephone number are shown above.

Sincerely yours,



Richard R. Orosco
District Director

Application for Grants

If any item is not applicable to the request, the applicant should enter "not applicable".

I. Certification – Please attach immediately after cover page

1. Certificate of Good Standing (If the Applicant is an Organization)

If the applicant is an organization, the applicant shall submit one (1) copy of a certificate of good standing from the Director of Commerce and Consumer Affairs that is dated no earlier than December 1, 2021.

Please see attached.

2. Declaration Statement

The applicant shall submit a declaration statement affirming its compliance with [Section 42F-103, Hawaii Revised Statutes](#).

Please see attached ("Page 5").

3. Public Purpose

The applicant shall specify whether the grant will be used for a public purpose pursuant to [Section 42F-102, Hawaii Revised Statutes](#).

This grant shall be used to serve a public purpose in securing the safety of publicly owned roads in the county of Hawaii through the removal of a hazardous invasive species, pursuant to Section 42F-102.

II. Background and Summary

This section shall clearly and concisely summarize and highlight the contents of the request in such a way as to provide the State Legislature with a broad understanding of the request. Please include the following:

1. A brief description of the applicant's background;

The Big Island Invasive Species Committee (BIISC) has worked since 1996 to address high-risk, newly arrived invasive species threats to Hawaii's environment, economy, and way of life--before they become costly, widespread problems. Since 2013, our project has also focused on community engagement, training, and support to manage widespread, established invasive species, like

little fire ants and albizia, which cause significant and direct harm to the residents of the island of Hawaii.

BIISC is a research project of the Pacific Cooperative Studies Unit of the University of Hawaii. For this project, BIISC is sponsored by the Big Island Resource Conservation and Development Council (BIRC&D), a 501(c)3 non-profit. The RC&D program originated with the NRCS in the 1960's to address rural poverty and help rural communities generate sustainable natural resource-based economies. BIRC&D continues to serve Hawaii in this tradition

2. The goals and objectives related to the request;

This project will remove hazardous albizia from public roads and infrastructure corridors to protect lives and homes, reduce long-term maintenance costs, prevent power failures and road closures, and increase community resilience to natural disasters.

Funds are requested to implement Phase 2 of the Kahakai Albizia Removal Project, one of 18 projects prioritized in the Hawaii Albizia Emergency Mitigation Plan (2015). If funded, this will be a big step toward completing the 13th, and one of the largest, of the eighteen projects in the plan. These projects are consistent with the recommendations of the statewide Albizia Strategic Plan passed by the Hawaii Invasive Species Council in 2018. This roadway was selected as a top priority by the Hawaii County Department of Public Works, Highways Division in 2015 and reaffirmed in 2018.

The cost projections for each project in the mitigation plan allowed for five phases of initial clearing, and follow up monitoring and remediation, to address any regeneration of albizia in the project sites. Accordingly, a portion of the budget is requested to revisit and address regrowth in the prior project sites, before they become costly hazards again.

Project History: After the albizia damage caused by Tropical Storm Iselle, the Albizia Task Force produced a multi-agency hazard mitigation plan to deal with the invasive albizia, which caused the lengthy power outages and road obstructions along priority public highways, major roads, and powerlines.

Eighteen priority projects were selected as priority hazard mitigation sites by HELCO, the Hawaii Department of Transportation, and Hawaii County Department of Public Works. Objectives include the treatment of hazardous and non-hazardous albizia encountered within 100 meters of State and County highways and electrical transmission lines to create safe transportation and energy corridors. Each route was mapped, assessed for cost, and prioritized in the five-year plan.

To date, 12 of the 18 projects have been completed or very nearly so. Each effort has been completed within budget, but we have exceeded the time frame in which we had hoped to complete all 18 projects, due only to lack of funds. Phase 1 of Kahakai BLVD and of Maku`u Street were successfully completed using Grants in Aid in 2018 and 2021, respectively. The final stage of Puainako Extension was completed in 2021 using DOT and HISC funding.

3. The public purpose and need to be served;

Damage resulting from Tropical Storm Iselle was catastrophic in albizia-infested neighborhoods--far beyond what is expected from similar-sized storms where albizia is not a factor. Even before Iselle, disruption of electrical service and tree falls across highways had been associated with every windstorm to surpass 35 mph in East Hawaii. Costly overtime work by HELCO, HDOT, and County response crews, loss of power, communications, and water service to residences and businesses, and lengthy commuter and Emergency Services delays were the norm.

This work focuses on the highest-volume public routes and infrastructure, and has, and will continue to, significantly reduce the frequency and duration of power/utility outages and road blockages, and public overtime costs, caused by fallen albizia.

Kahakai Blvd. is the sole access route for over 5,300 residents in the Hawaiian Beaches and Hawaiian Shores Subdivisions. In this neighborhood, power went out and roads and access to emergency shelters were blocked by falling albizia that fell in rising gusts of wind hours before the official landfall of Tropical Storm Iselle. Examining in 2020 only those properties within 100 m of the main road and powerline, 168 properties contained hazardous albizia (large trees able to fall on the road, powerline, or home during a storm) and 136 contained small, not-yet-hazardous trees.

4. Describe the target population to be served; and

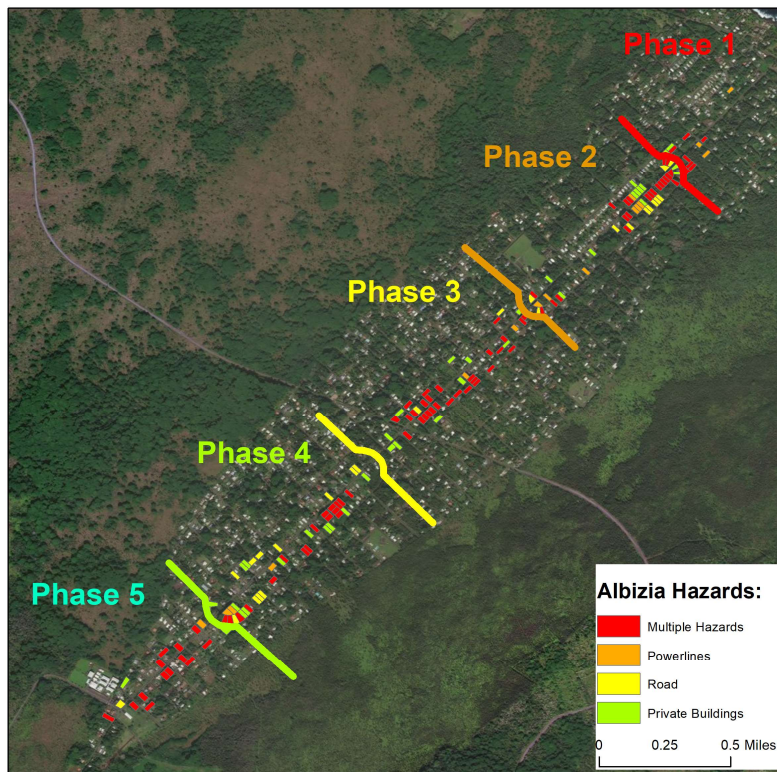
The Hazard Mitigation Plan serves all residents, businesses, and visitors on Hawaii Island by preserving infrastructure and reducing long-term maintenance costs to tax and rate payers. The proposed projects for FY23 will most directly serve:

Residents of Hawaiian Beaches/Hawaii Shores, where average income was \$28,963 and declining, during the recent census. 18.8% of the population and 20% of minors live below the poverty level. This neighborhood was not directly impacted by the lava flow and all roads and homes are currently intact. Keonepoko Elementary School is at one end of this road and serves as the emergency shelter for the area, however, large patches of albizia stand between Keonepoko and most houses, putting access to the shelter at risk.

5. Describe the geographic coverage.

The proposed FY23 project is in the Puna District of the island of Hawai`i. The maintenance request is for prior projects in S. Hilo and Puna, including Hwy 19, Hwy 11, Hwy 130, and the Puainako Extension. Kahakai Blvd runs six miles north from Hawaii 130 to the ocean. Phase 1, along with a section of Phase 2, was completed in 2021, at a cost of \$300,000. This is the northernmost, makai section of the road, where the largest and most dense stands of trees were found. Requested funds will cover the rest of Phase 2, i.e. Puni Makai Loop.

Hawaiian Beaches/ Hawaiian Shores Parcels with Albizia



Map created: 3/3/2020 from data collected Jan & Feb 2020 KMG

III. Service Summary and Outcomes

The Service Summary shall include a detailed discussion of the applicant’s approach to the request. The applicant shall clearly and concisely specify the results, outcomes, and measures of effectiveness from this request. The applicant shall:

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

The objective is to remove all hazardous and non-hazardous albizia growing within 100 m of the subject roads. BIISC staff will secure private property access permission, contract the proposed hazard removal work to licensed, certified arborists, and carry out the safe and cost-effective chemical treatment of the remaining non-hazardous trees to create a safety buffer in accordance with the planning document. Signs are posted in treated areas to alert residents not to enter the stand until it has decayed.

Hawaii County has proven itself a valuable partner by taking up the authority granted by the Legislature under HRS § 194-5 (2017); to enforce the removal of invasive species from private property. Twenty-seven absentee landowners were served notice of entry by the County under the last two projects funded by this Grant-in-Aid program, so that BIISC could complete the albizia control along Maku`u Drive and Kahakai Blvd, removing albizia from 143 properties in all. Additionally, the County facilitated entry to remove the largest albizia known in all of Hilo, a tree that threatened 12 homes and the county jail! Previous to this law, absentee landowners who failed to respond to voluntary requests for entry halted the removal of these hazards, leaving their neighbors in danger.

BIISC will also revisit previous worksites along Hwy 130, Hwy 11, Hwy 19, and the Puainako Extension to DK1 Hwy/Saddle Road, to mitigate any regrowth of albizia. The majority of this maintenance work will be done by herbicide treatment to small, non-hazardous trees. This work is expected, however, to require some smaller arborists contracts (10% of Services budget) to remove regrowth that has already contacted the powerlines, particularly along Highway 130.

To extend the value of the project, BIISC will continue our Albizia Assassins program, holding semi-monthly community training sessions to encourage private landowners to identify and safely address albizia before they become hazards to neighbors and public infrastructure. This project was on hiatus during much of COVID, and is important in deterring the irresponsible or ineffective treatments sometimes attempted by frustrated residents. This program was launched in 2014 using Hawaii County funds and is currently funded by the Hawaii Invasive Species Council (state funds).

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

- FY23 Quarter 1: Receive notification of award. BIISC begins process to secure private property access permissions.
- FY23 Quarter 2: Complete all paperwork to secure the grant funds (Sept-Dec 2022).

- FY23 Quarter 3 (Jan-March 2023): Funds are released. Arborists to initiate and complete hazard tree removal work before the summer Hawaiian Hawk and Hawaiian Bat nesting season. BIISC work begins immediately after the work of the arborists finish each property.
 - FY23 Quarter 4 through FY24 Quarter 2 (March 2023 through Dec 2023): BIISC herbicide control work continues and is completed.
3. Describe its quality assurance and evaluation plans for the request. Specify how the applicant plans to monitor, evaluate, and improve their results; and

Island-wide albizia maps were created in 2015 using satellite imagery, followed by roadside surveys by experienced botanists and detailed cost assessments by certified arborists licensed in the state. This provided a comprehensive foundation by which to prioritize roads and powerlines for hazardous albizia control. State and County agency staff have reviewed and confirmed the priority projects described in this grant.

The tree-trimming work for each project is planned out during on-site walk throughs with the contracted arborists, and specifications are documented in writing to ensure that there is no miscommunication about the extent of the tree removal needed to remove all hazards without incurring unnecessary costs. Throughout the project, the BIISC project coordinator will be on site regularly to ensure that the work is done to specifications.

The chemical treatment method developed by the University of Hawaii was field tested extensively by BIISC and the USDA Forest Service prior to use in inhabited areas and is nearly 100% effective when applied by trained staff. The herbicide used (Milestone™ by DowAgro) is a next-generation, reduced risk herbicide, applied by incision point injection directly into the tissue of each albizia, so there is no spray or drift onto non-target plants.

One quality control issue on each albizia project is completeness, i.e. whether any trees were missed or incompletely treated. This is monitored by regular site visits conducted by the field supervisor in the three months following the treatment. Trees that were skipped or under-treated are readily apparent within 4 weeks and can safely be re-treated.

Annual surveys have been repeated to assess progress of control efforts and the spread of new albizia populations. Follow up surveys of the 12 completed projects have demonstrated very low rates of regeneration of albizia in well-vegetated sites (most areas) with more significant follow-up maintenance needed along cliffs, graveled roadsides (i.e. Puainako Extension), and highly disturbed sites.

In the past, the other difficulty was the requirement that private landowners voluntarily allow access to do the work. Gaps in the removal effort

affect quality by leaving hazardous stands that can continue to disrupt power or road access or fall on neighboring homes. This issue has been well-addressed with the passage of Act 182 in 2017, granting authority to the counties to enforce access to private land to control invasive species. The County has taken up this authority, successfully posting entry to efficiently complete the last several projects. Island-wide we have encountered only one (1) landowner, a celebrity, who refused albizia removal without a court order.

4. List the measure(s) of effectiveness that will be reported to the State agency through which grant funds are appropriated (the expending agency). The measure(s) will provide a standard and objective way for the State to assess the program's achievement or accomplishment. Please note that if the level of appropriation differs from the amount included in this application that the measure(s) of effectiveness will need to be updated and transmitted to the expending agency.
 - Number of properties cleared of hazardous albizia (Objective: 45)
 - Number of road miles protected (all projects) (Objective: 47)
 - Number of properties cleared of not-yet-hazardous albizia
 - Number of trees treated (hazardous + non-hazardous) (Objective: 100)
 - Number of lots accessed using County authority (Objective: 100% of lots with non-responsive landowners)
 - Volunteer participation in Albizia workdays (Objective: 60)

IV. Financial

Budget

1. The applicant shall submit a budget utilizing the enclosed budget forms as applicable, to detail the cost of the request.
 - 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)

BUDGET JUSTIFICATION - PERSONNEL SALARIES AND WAGES

Applicant: Big Island Resource Conservation and Development Council (as Fiscal Sponsor for BIISC)
 Period: July 1, 2022 to June 30, 2023

POSITION TITLE	FULL TIME EQUIVALENT	ANNUAL SALARY A	% OF TIME ALLOCATED TO GRANT REQUEST B	TOTAL STATE FUNDS REQUESTED (A x B)
BIISC Program Manager	1	\$96,130.00	2.50%	\$ 2,403.25
BIISC Fiscal and Program Associate	1	\$40,000.00	2.50%	\$ 1,618.50
Albizia Program Coordinator	1	\$52,000.00	10.00%	\$ 5,200.00
Albizia Field Leader	1	\$40,000.00	10.00%	\$ 4,000.00
Invasive Species Field Associate 1	1	\$34,132.32	10.00%	\$ 3,413.23
Invasive Species Field Associate 1	1	\$31,604.00	10.00%	\$ 3,160.40
Invasive Species Field Associate 1	1	\$31,604.00	0.00%	\$ -
Public Outreach Coordinator	1	\$64,740.00	15.00%	\$ 9,711.00
Public Engagement Liaison	1	\$45,000.00	5.00%	\$ 2,250.00
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
TOTAL:				31,756.38

JUSTIFICATION/COMMENTS: We anticipate the personnel costs to be approximately equally covered by the Hawaii Invasive Species Council, and other administrative, oversight, and operations costs are also covered by the HISC.

BUDGET JUSTIFICATION - EQUIPMENT AND MOTOR VEHICLES

Period: July 1, 2022 to June 30, 2023

Applicant: Big Island Resource Conservation
and Development Council (as Fiscal Sponsor for
BIISC)

DESCRIPTION EQUIPMENT	NO. OF ITEMS	COST PER ITEM	TOTAL COST	TOTAL BUDGETED
NONE REQUESTED			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:			\$ -	
JUSTIFICATION/COMMENTS:				

DESCRIPTION OF MOTOR VEHICLE	NO. OF VEHICLES	COST PER VEHICLE	TOTAL COST	TOTAL BUDGETED
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:			\$ -	
JUSTIFICATION/COMMENTS:				

BUDGET JUSTIFICATION - CAPITAL PROJECT DETAILS

Period: July 1, 2022 to June 30, 2023

Applicant: Big Island Resource Conservation and Development Council (as Fiscal Sponsor for BIISC)

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: 2020-2021	FY: 2021-2022	FY:2022-2023	FY:2022-2023	FY:2023-2024	FY:2024-2025
PLANS						
LAND ACQUISITION						
DESIGN						
CONSTRUCTION						
EQUIPMENT						
TOTAL:						
JUSTIFICATION/COMMENTS:						
Not Applicable						

GOVERNMENT CONTRACTS, GRANTS, AND / OR GRANTS IN AID

Big Island Invasive Species Committee, Government grants, Past 3 Years

Applicant: Big Island Resource Conservation and Development Council (as Fiscal Sponsor for BII) Contracts Total: 4,148,512
 2021 Total: 1,408,331

	CONTRACT DESCRIPTION	EFFECTIVE DATES	AGENCY	GOVERNMENT ENTITY (U.S./State/Hawaii/ Honolulu/ Kauai/ Maui County)	CONTRACT VALUE
1	Kahakai Albizia Removal Project Phase 1	7/22/19-12/31/21	Legislative GIA	State	\$ 300,000
2	Invasive Species Control on HI Army National Guard Training Areas (Keaukaha Military Reserve)	1/1/19-12/31/19	HIARNG	State	\$ 90,000
	Hawaii Invasive Species Council: Detection and Control of Invasive Species on Hawaii Island	1/1/19-12/31/19	HISC	State	\$ 670,838
	Hawaii Invasive Species Council: Detection and Control of Invasive Species on Hawaii Island	1/1/20-12/31/20	HISC	State	\$ 706,000
3	Hawaii Invasive Species Council: Detection and Control of Invasive Species on Hawaii Island	1/1/21-12/31/21	HISC	State	\$ 880,000
	Forest Health Protection Program: Rapid Ohia Death	1/1/19-12/31/19	DLNR-DOFAW/USFS combined	State/Federal	\$ 360,000
4	Forest Health Protection Program: Rapid Ohia Death	1/1/21-12/31/21	DLNR-DOFAW/USFS combined	State/Federal	\$ 270,000
	Invasive Plant Control in Natural Area Reserves	1/1/20-12/31/20	DLNR-DOFAW	State	\$ 100,000
	Invasive Plant Control in Natural Area Reserves	1/1/21-12/31/21	DLNR-DOFAW	State	\$ 80,000
5	Invasive Plant Control in Natural Area Reserves	1/1/22-12/31/22	DLNR-DOFAW	State	\$ 100,000
6	Invasive Species Control in Hawaii County	1/1/19-12/31/19	HTA	State	\$ 50,000
8	Little Fire Ant and Albizia Control	1/1/19-12/31/19	Hawaii County R&D	Hawaii County	\$ 25,000
9	Continuing control of invasive pests on Hawaii Island	7/1/19-6/30/20	HDOA	State	\$ 115,000
10	Continuing control of invasive pests on Hawaii Island	7/1/20-6/30/21	HDOA	State	\$ 99,900
11	Hawaii County Grant in Aid	1/1/19-12/31/19	Hawaii County Council	Hawaii County	\$ 13,443
12	Hawaii County Grant in Aid	1/1/21-12/31/21	Hawaii County Council	Hawaii County	\$ 11,000
13	Hawaii County Innovation Grant	8/1/2021-6/30/22	Hawaii County R&D	Hawaii County	\$ 50,000
14	USDA APHIS Plant Protection Act	10/1/21-9/30/22	USDA APHIS	Federal	\$ 17,331
15	Invasive Species Strike Team	10/1/19-9/30/20	USFWS	Federal	\$ 40,000
16	Invasive Species Strike Team	10/1/20-9/30/21	USFWS	Federal	\$ 70,000
17	Invasive Species Strike Team	10/1/21-9/30/22	USFWS	Federal	\$ 100,000

2. The applicant shall provide its anticipated quarterly funding requests for the fiscal year 2023.

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
\$75,000	\$75,000	\$75,000	\$75,000	\$300,000

3. The applicant shall provide a listing of all other sources of funding that they are seeking for fiscal year 2023.

Please see attached.

4. The applicant shall provide a listing of all state and federal tax credits it has been granted within the prior three years. Additionally, the applicant shall provide a listing of all state and federal tax credits they have applied for or anticipate applying for pertaining to any capital project, if applicable.

Not Applicable

5. The applicant shall provide a listing of all federal, state, and county government contracts, grants, and grants in aid it has been granted within the prior three years and will be receiving for fiscal year 2023 for program funding.

Please see attachment "Operating Budget" and GIA Page 10 Spreadsheet

6. The applicant shall provide the balance of its unrestricted current assets as of December 31, 2021.

Big Island Resource Conservation and Development Council: \$69,060
BIISC: Less than \$2,000

V. Experience and Capability

1. Necessary Skills and Experience

The applicant shall demonstrate that it has the necessary skills, abilities, knowledge of, and experience relating to the request. State your experience and appropriateness for providing the service proposed in this application. The applicant shall also provide a listing of verifiable experience of related projects or contracts for the most recent three years that are pertinent to the request.

The BIISC manager has worked in invasive species management in Hawaii since 1998. Since 2013 BIISC has coordinated multi-agency efforts to remove albizia from 14 major infrastructure projects, including mapping the hazards, informing the community,

securing rights of entry, coordinating with arborists, issuing contracts, completing the non-hazardous mitigation work, and reporting out the results.

The BIISC Albizia Coordinator has been with the project since 2016, with over 4,800 field hours of experience in albizia control. The supervisor and each staff member is a state-licensed pesticide applicator. The BIISC Albizia Coordinator has helped to train at least 600 Hawaii residents in the safe and effective incision point treatment method, and to evaluate the safety of each individual tree encountered prior to treatment. Staff are closely supervised until able to demonstrate understanding of pesticide handling, treatment methods, plant identification, and mastery of BIISC standard operating procedures.

BIISC's 2017 progress report and report on the 2019 GIA s supporting the hazard mitigation plan are attached for reference. Please refer to Attachment Page 10, Government Contracts, Grants, and Grants in Aid document for a listing of related projects and contracts over the past three years, which include the 2019 grant in aid and HISC funding.

2. Facilities

The applicant shall provide a description of its facilities and demonstrate its adequacy in relation to the request. If facilities are not presently available, describe plans to secure facilities.

BIISC facilities are *just* adequate for the job. The project rents a small commercial building and baseyard in the Hilo industrial area. The baseyard includes washing and sanitary facilities, secure storage for vehicles, equipment, and herbicides, and an office with computer work stations, phone, internet and electricity. BIISC has a small fleet of aging University of Hawaii vehicles, two of which are assigned to this project, a 2007 F150 and a 2003 Tacoma.

VI. 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.

The project will be overseen by the BIISC Manager and assisted by a part-time fiscal associate and GIS (mapping) technician. Human Resources services are provided by the University of Hawaii. All BIISC field staff are required to pass the state exam to obtain an HDOA Commercial Pesticide Applicator certification. This project was developed with the assistance of experts in weed science, arboriculture, and forest

ecology at the USDA Forest Service, University of Hawaii, Hawaiian Electric Light Company, and state and county Highways Divisions.

Albizia Coordinator: Dustin Swan, an Ainaloa resident, joined the program five years ago after volunteering with the Ainaloa Albizia Assassins. He previously worked for the US Forest Service, leading forest fire operations, and in Information Technology. Dustin manages a highly-trained team of field assistants and works closely with the BIISC GIS and Data Analyst to map out and prioritize field work, and with the Outreach Coordinator to inform and train the community to manage albizia. He concurrently runs the Rapid Ohia Death response program at BIISC.

GIS/Data Analyst: Kristopher Meehan has a MS degree in Geographic Information Systems, and tackles the daunting work of organizing field mapping, contact information, permissions, and demographic data for the 800 lots in Hawaiian Beaches/Shores, and the many other BIISC projects island-wide. He developed a custom app to improve the collection of data and permissions for this project. Kris previously worked for the University of Texas, Austin, mapping watershed protection project and analyzing geospatial data sets to improve environmental management in Texas.

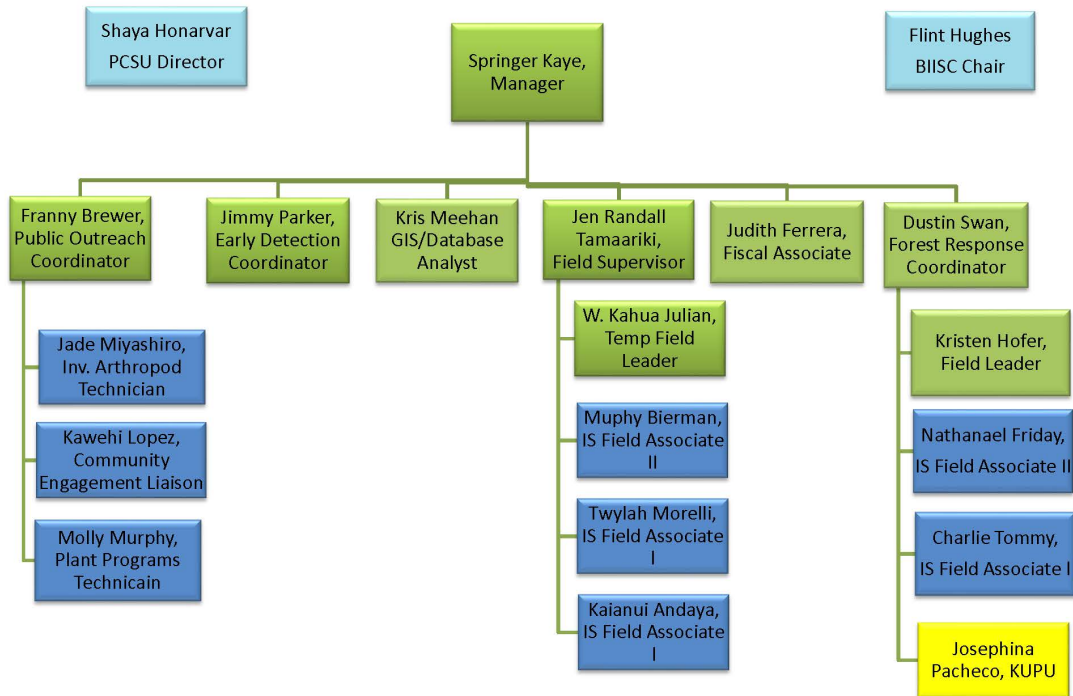
Public Outreach Coordinator: Franny Brewer is a former HDOE science teacher and former director of the Hawaii Island Humane Society. She is responsible for publicizing the project to ensure affected landowners understand the purpose, are prepared for the project, and engage as willing participants. Franny also helps to lead the monthly community training program to teach community members to be responsible for managing albizia on their lands and in their neighborhoods.

Field Staff: Field staff vary in level of experience, with up to five years' field experience in invasive plants management in Hawaii. Inexperienced staff are closely supervised and are formally trained before conducting field tasks. All staff are required to earn the state commercial pesticide applicator's license. BIISC maintains an active safety program.

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.

BIISC Organizational Chart October 2021



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.

Manager: \$96,130
 Public Outreach Coordinator: \$64,740
 Early Detection Coordinator: \$61,800

VII. Other

1. Litigation

The applicant shall disclose any pending litigation to which they are a party, including the disclosure of any outstanding judgement. If applicable, please explain.

Not Applicable.

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.

None is required. All supervisors and full-time staff are, however, licensed pesticide applicators in the state of Hawaii. All arborist contractors will be required to provide proof of state licensure and International Society of Arboriculture certification.

3. Private Educational Institutions

The applicant shall specify whether the grant will be used to support or benefit a sectarian or non-sectarian private educational institution. Please see [Article X, Section 1, of the State Constitution](#) for the relevance of this question.

Not applicable.

4. Future Sustainability Plan

The applicant shall provide a plan for sustaining after fiscal year 2022-23 the activity funded by the grant if the grant of this application is:

- (a) Received by the applicant for fiscal year 2022-23, but
- (b) Not received by the applicant thereafter.

This project directly addresses liabilities for the power infrastructure and roads of the State and of the County of Hawaii, and is framed in discrete projects to allow a clear sense of progress and completion of each route. After the initial expensive tree removal effort, annual maintenance cost is quite low, and should be done as part of normal roadside maintenance duties by the appropriate state or county agency.

It is our hope that the hazard mitigation plan will be funded by the Hawaii Legislature and Hawaii County, to complete all projects listed; and thereafter that the hazard mitigation work will be expanded to include additional state and county roadways as specific line items in the budgets of the state and county highways

divisions. In discussions with the County Council and Highways Division, it is clear we are not quite there yet. Hawaii County Council have considered a line item in their budget for the County Highways Division to continue take on more of this work. We hope the state legislature will do the same, working with the state highways division.

To prevent the constant re-emergence of albizia hazards along the roadways, a revolving fund has been recommended by the Puna Action Committee/Puna Community Development Plan. Such a fund could provide low interest loans or grants to lower income residents to finance the removal of albizia from their properties. While promised by the federal Rural Development Program of the Farm Services Agency after Tropical Storm Iselle, not one Hawaii resident has received a federally subsidized loan or grant to remove albizia.

The recent adoption of a Statewide Albizia Management Plan by the six agencies, including HDOT, that make up the Hawaii Invasive Species Council may raise the priority level for funding this work through the HISC or agency budgets.

The Hawaii Emergency Management Agency has also expressed support for facilitating an application for FEMA funding for a portion of this in the future.

**Albizia Hazard Mitigation Project
State Operating Grant-in-Aid FY19**

State Contract No. 69257 (\$300,000)

Big Island Resource Conservation and Development Council

Final Cumulative Report
July 24, 2020-June 15, 2021

Background

Big Island RC&D partnered with the Big Island Invasive Species Committee (BIISC) in this agreement to remove at least 300 albizia trees from Kahakai Blvd to avert future road blockages, power outages, and damage to homes and infrastructure like that seen during Tropical Storm Iselle. The removal of albizia from the edges of Kahakai Blvd was of the 18 mitigation projects in the Hawaii Island Emergency Albizia Mitigation Plan of 2015. This project undertook Phase 1 of 5, the section with the largest trees along the six mile long road. The contract was signed July 24, 2020.

Services Completed:

In the first stage of the operation, after community meetings and obtaining permission of the landowners, 585 albizia trees on 23 parcels were treated using an incision-point injection of Milestone™ Herbicide (Aminopyralid). The trees dropped their leaves within two weeks and were left in place to naturally decay. Only trees on unoccupied lots or situated as to pose no immediate danger to nearby structures were treated in this manner.

In the second stage, 61 large, hazardous trees were cut down by arborists. Approximately two dozen smaller albizia and gunpowder (*Trema orientalis* another invasive species) trees were topped without being counted, but were included in the contracted work. Trees at sites 10-11 and 14 ranged from 60-100 feet in height, and up to 30 inches in diameter. Most trees at sites 12-13 exceeded 100 feet in height, with trunks 6-8 feet in diameter. Trees were cut from large cranes and/or by climbers and cut material was left in place on unoccupied lots, or chipped and removed from occupied lots. To reduce costs, arborists were permitted to leave standing trunks on unoccupied lots as long as they were not within striking distance of a neighboring property. All stumps and trunks were treated with a triclopyr-based herbicide or with aminopyralid to prevent regrowth, according to the label. The county assisted by providing legal notice of entry, allowing us to access seven vacant lots owned by non-responsive, absentee landowners.

In the third stage, BIISC staff swept through Phase 1 and 2 properties a second time to retreat any trees that had been missed and ensure all trees cut by the arborist had been treated. A total of 1,010 trees were treated with herbicide on 40 parcels during this period. The county assisted with notice of entry to five additional properties. During this period, the Hawaii Department of Transportation agreed to issue \$30,000 worth of hazardous tree removal contracts to complete the final stage of the Puainako Extension albizia mitigation project. BIISC was able to use Aina Corps

volunteers and the last of the GIA funds to follow up that work by treating the stumps of the cut trees, approximately 200 non-hazardous albizia, and 1,500 saplings.

Arborist Site Number	Hazardous Tree TMKs	Count of Hazardous Trees Cut
1	315064004	3
2	315089090	4
3	315089091	1
4	315064102	1
5	315064108	1
5	315064109	1
6	315065004	1
6	315065005	1
7	315090011	1
8	315090009	3
9	315090014	3
10	315090083	5
11	315090077	1
11	315090078	4
11	315090079	1
12	315065073	4
12	315065074	4
12	315065075	1
13	315065076	2
13	315065077	1
14	315090084	2
14	315090085	1
14	315090086	3
14	315090087	6
14	315090088	4
14	315090089	2
Total		61

Table 1: Albizia removed by arborists

PHOTOS

Photos taken before treatment show the range of trees involved in the project, from small saplings growing directly alongside the road, to larger trees on unoccupied lots, at a (temporarily) safe distance from the road and powerline. If left in place, each of the trees shown will grow large enough to threaten roads, homes, or powerlines in the next 10-20 years. The average cost to remove a 20-year-old hazardous tree is \$6000 each and can be much higher.

Photos taken after treatment demonstrate what properly treated trees looks like, 3-4 months after treatment. These trees have been prevented from ever posing a hazard to homes or infrastructure.

BEFORE:



Figure 1. BEFORE: The tallest tree in the center, background is a "non-hazardous" albizia, one that is not yet threatening the road or powerline but can easily reach a height to do so in a few years. Treatment now will avoid the risk of future storm damage and/or removal costs.

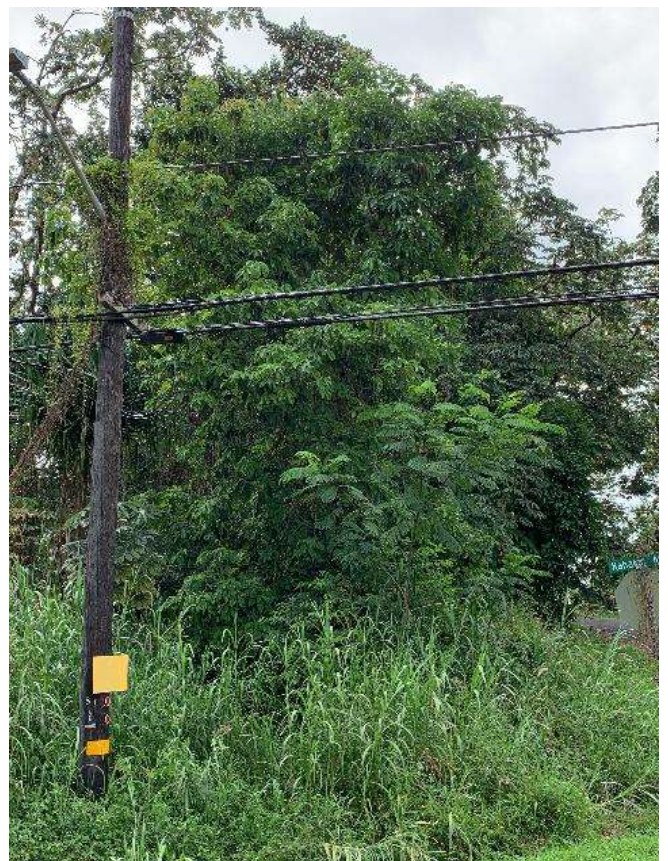


Figure 2. BEFORE This 15-foot keiki albizia is growing just outside the powerline easement, at an intersection along Kahakai Blvd. If untreated, it will become a costly removal project in 10-20 years, with two roads and two sets of powerlines involved.

AFTER:



Figure 3: AFTER: These albizia (above and below) were situated close enough to the powerlines to pose a threat when fully grown, but far enough away that they can be safely treated now, avoiding future high costs of removal or damage during storms.





Site 1: 315064004: Three large trunks, mostly hidden by vines are all that is left of the three huge trees on this lot.



Site 2: 315089090: This site is a good example of the two possible outcomes for large, hazardous trees: A complete removal down to the stump, treated with a triclopyr-based herbicide is shown in the foreground. A standing trunk, treated with aminopyralid is in the background. Two other large trees, stumps not pictured, were removed from this same lot.

The legal notice posted by the County of Hawaii is also visible next to the trunk. The County's assistance in posting these notices to allow access to lots owned by absentee, non-responsive landowners is key to completing this hazard mitigation work.



Site 12: Site 12 before and after albizia removal. The three houses across the street were threatened by these leaning trees, and one was previously struck by a falling albizia from this lot.



Photos of Site 12 & 13 after removal, from the opposite end of the road. Staff are circled in yellow.





Big Island Resource
Conservation & Development Council

January 20, 2022

To Whom It May Concern,

I, Larry M. Komata, President of Big Island Resource Conservation and Development Council (BIRCDC), do hereby certify that to the best of my knowledge, this is a true reflection of BIRCDC's current finances through December 31, 2021. Our financial report is prepared by Elizabeth De Roche, an independent bookkeeper. She may be contacted via email at thederoches2@gmail.com with any questions regarding this financial statement.

Sincerely,

A handwritten signature in black ink, appearing to read 'Larry M. Komata', written in a cursive style.

Larry M. Komata
President
Big Island RC&D Council

Please Note: The information contained in these documents is confidential, privileged and only for the information of the intended recipient and may not be used, published or redistributed without the prior written consent of Big Island Resource Conservation and Development Council, unless required by law.

The Big Island Resource Conservation and Development Council is a non-profit, tax exempt 501(c) 3 corporation organized to assist communities of Hawaii to promote the conservation of natural resources, support economic development and enhance our environment and standard of living, with community capacity building. The Big Island Resource Conservation and Development Council is an Equal Opportunity Provider.

BIRCD
Balance Sheet
As of December 31, 2021

	Dec 31, 21
ASSETS	
Current Assets	
Checking/Savings	
1000 · Cash In Bank	
1010 · Cash in bank - unrestricted	69,060.53
1011 · Cash in Bank-restricted	234,630.78
Total 1000 · Cash In Bank	303,691.31
1040 · Petty cash	300.00
1050 · CASH IN BANK HSF	
1051 · HFS-Unrestricted	1,025.00
1053 · HFS Savings	4,482.21
Total 1050 · CASH IN BANK HSF	5,507.21
1060 · Bank of Hawaii	3,133.85
Total Checking/Savings	312,632.37
Total Current Assets	312,632.37
TOTAL ASSETS	312,632.37
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
2200 · Funds Held For Others	1,071.00
Total Other Current Liabilities	1,071.00
Total Current Liabilities	1,071.00
Total Liabilities	1,071.00
Equity	
3010 · Unrestrict (retained earnings)	449,519.94
3100 · Fund Balance Restricted	75,485.59
Net Income	-213,444.16
Total Equity	311,561.37
TOTAL LIABILITIES & EQUITY	312,632.37

BIRCD RESTRICTED
Income & Expense
 January through December 2021

	Jan - Dec 21
Ordinary Income/Expense	
Income	
4000 · Project Revenues	
4010 · Indiv/business contribution	8,847.28
4110 · Other Project Revenues	
41105 · Other	100.00
41107 · T-Shirt Sales	564.31
Total 4110 · Other Project Revenues	664.31
4230 · Foundation/trust grants	
42308 · Hawaii Community Foundation	20,000.00
Total 4230 · Foundation/trust grants	20,000.00
4250 · Nonprofit organization grants	
4254 · American Forests	40,000.00
4256 · One Tree Planted	16,000.00
Total 4250 · Nonprofit organization grants	56,000.00
4520 · Federal grants	
4521 · USDA-NRCS	3,007.75
Total 4520 · Federal grants	3,007.75
4530 · State grants	
4531 · HTA/CPEP	17,615.00
4538 · GIA	323,000.00
Total 4530 · State grants	340,615.00
4540 · Local government grants	
4541 · County of Hawaii	
45417 · Nonprofit Grant	
454173 · 2020 Nonprofit Grants	25,400.00
454174 · 2021 Nonprofit Grants	18,200.00
Total 45417 · Nonprofit Grant	43,600.00
45418 · Contingency Fund	2,500.00
45420 · Eruption Recovery Grant	150,000.00
Total 4541 · County of Hawaii	196,100.00
Total 4540 · Local government grants	196,100.00
Total 4000 · Project Revenues	625,234.34
Total Income	625,234.34
Gross Profit	625,234.34
Expense	
7000 · Grant & contract expense	
7010 · Supplies-Program Related	479,437.47
7011 · Administrative Fee	61,244.44
7013 · Repairs and Maintenance	9,500.00
7020 · Professional Fees	301,884.82
Total 7000 · Grant & contract expense	852,066.73
Total Expense	852,066.73
Net Ordinary Income	-226,832.39
Net Income	-226,832.39

BIRCD UNRESTRICTED
Income & Expense
 January through December 2021

Jan - Dec 21

Ordinary Income/Expense	
Income	
5000 · Earned revenues	
5180 · Program service fees	38,146.38
5220 · Dues-Organizations	
5222 · Dues-Kau SWCD	200.00
5225 · Dues-Puna SWCD	200.00
5226 · Dues-Waikea SWCD	200.00
5227 · Dues-County of Hawaii	1,500.00
Total 5220 · Dues-Organizations	2,100.00
Total 5000 · Earned revenues	40,246.38
Total Income	40,246.38
Gross Profit	40,246.38
Expense	
7000 · Grant & contract expense	
7012 · Permits & Licenses	15.50
7020 · Professional Fees	
7023 · Bookkeeper	3,000.00
Total 7020 · Professional Fees	3,000.00
Total 7000 · Grant & contract expense	3,015.50
7200 · Salaries & related expenses	
7250 · Payroll taxes	
72501 · FICA	2,851.04
72502 · State	953.46
72503 · Unemployment	220.92
Total 7250 · Payroll taxes	4,025.42
7200 · Salaries & related expenses - Other	18,736.40
Total 7200 · Salaries & related expenses	22,761.82
7500 · Other personnel expenses	
7580 · Web Hosting	300.00
Total 7500 · Other personnel expenses	300.00
8100 · Non-personnel expenses	
8140 · Postage, shipping, delivery	256.60
8190 · Office Supplies	
8192 · Bank Checks	48.25
8190 · Office Supplies - Other	147.65
Total 8190 · Office Supplies	195.90
Total 8100 · Non-personnel expenses	452.50
8300 · Travel & meetings expenses	
8310 · Travel	
8312 · Meals	98.71
Total 8310 · Travel	98.71
Total 8300 · Travel & meetings expenses	98.71
8500 · Misc expenses	
8520 · Insurance	
85203 · Workman's Comp.	229.62
Total 8520 · Insurance	229.62
Total 8500 · Misc expenses	229.62
Total Expense	26,858.15
Net Ordinary Income	13,388.23
Net Income	13,388.23