

**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:
Hawaii Farm Bureau Federation Hawaii Farm Bureau

Amount of State Funds Requested: \$ 130,000

Brief Description of Request (Please attach word document to back of page if extra space is needed):
Effectiveness and affordability of constructing High Tunnel Screenhouses in Hawaii for small- and medium-sized farms for higher yields and pest management.

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:

\$ 150,000
Unrestricted Assets:
\$ 818,306.92

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:
P.O. Box 253
City: State: Zip:
Kunia HI 96759

Contact Person for Matters Involving this Application

Name: Brian Miyamoto	Title: Executive Director
Email: brian@hfbf.org	Phone: 808-848-2074

Federal Tax ID#: [REDACTED]	State Tax ID#: [REDACTED]
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Authorized Signature

Brian Miyamoto

Name and Title

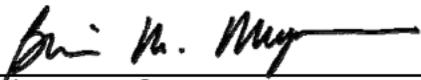
01/20/2022

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

Executive Director
PRINT NAME AND TITLE

1/20/22
DATE

**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.

Hawaii Farm Bureau Federation

(Typed Name of Individual or Organization)



(Signature)

1/20/22

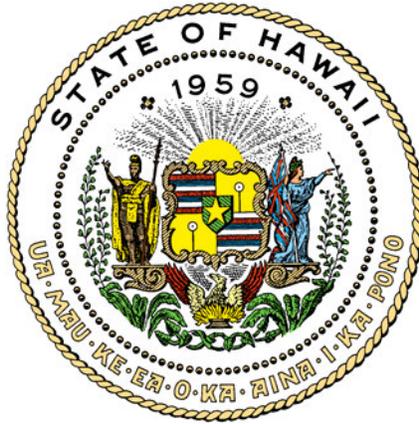
(Date)

Brian Miyamoto

(Typed Name)

Executive Director

(Title)



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

HAWAII FARM BUREAU FEDERATION

was incorporated under the laws of Hawaii on 12/20/1950 ; 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 13, 2022

Director of Commerce and Consumer Affairs



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.

2. Declaration Statement

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

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](#).

II. Background and Summary

1. Applicant’s Background.

The Hawaii Farm Bureau (HFB) is a non-profit organization of farming families united for the purpose of analyzing problems and formulating action to ensure the future of agriculture thereby promoting the well-being of farming and the State’s economy. In 1948 a small group of farmers on the Windward side of Oahu organized HFB to represent the voice of agriculture in Hawaii. Today, HFB has grown into a statewide organization consisting of over 1,900 members in eleven affiliates located throughout the state.

HFB is the largest agriculture advocacy organization in the State of Hawaii. Our members produce crops year in and year out - some growers are new, some over generations. Among these local crops are vegetables, nuts, coffee, tea, orchard crops, fruit, meat, dairy, livestock, flowers, fish, sugar, seeds, herbs, spices, and nursery crops. They produce crops both organically and conventionally, some using aquaculture, hydroponics and aquaponics, some including safe and judicious use of approved chemicals. They are comprised of small, medium and relatively large-scale farms.

HFB’s ranks include volunteers, staff, and contractors with a depth of knowledge of virtually all issues affecting agriculture. Our organization features a ‘grassroots’ structure comprised of 11 county chapters located across the state. HFB is uniquely

positioned to advocate for and facilitate communication between farmers, ranchers, and the public, and to build and maintain communication infrastructure and develop content to further the common goals of a broad spectrum of farmers and ranchers, and by extension their chosen farms methods, the crops they produce and the citizens of Hawaii.

HFB has extensive grant administration experience. The 2003, 2004, 2005, 2006, and 2007 Legislature appropriated grants to the Hawaii Farm Bureau for the promotion of Hawaii's agricultural industry through agricultural research and market development projects. The 2015 and 2016 Legislature appropriated grants to assist Hawaii's farmers to comply with the Food Safety Modernization Act. The 2019 Legislature appropriated a CIP grant for construction for the repair and restoration of the Hawaii Farm Bureau building and perimeter wall. In addition, HFB has received grants from the USDA, State of Hawaii, County of Maui, County of Kauai, County of Hawaii, and the City and County of Honolulu.

2. Goals and Objectives.

What was dominated by sugarcane and pineapple, Hawaii's agricultural industry has undergone great change. Although Hawaii, has transitioned to a more diversified agricultural approach, much of the food consumed in Hawaii is still produced elsewhere. There is growing concern about the state's high dependency upon outside sources. Hawaii is located approximately 2,500 miles from the continental United States. As the most geographically isolated state in the country, Hawaii imports approximately ninety-two percent of its food. While interest in local food production is growing, Hawaii farmers face keen competition from imports abroad. Today, the vast majority of the food consumed in the Islands is supplied by the U.S. Mainland, Hawaii's chief source of competition.

Currently, Hawaii has an inventory of fresh produce that would supply consumers for no more than ten days. Ninety percent of the beef, sixty-seven percent of the fresh vegetables, sixty-five percent of the fresh fruits, and eighty percent of all milk purchased in the State are imported.

The primary goal of this project is to demonstrate the affordability and effectiveness of constructing High Tunnel Screenhouses in Hawaii. Constructing screenhouses with insect exclusion nets for crop production has been practiced elsewhere and proven to reduce pesticide applications and increase crop yields compared to open field production. Purchasing fabricated screenhouses is extremely costly for farmers in Hawaii as it involves expensive shipping costs. Although building a high tunnel screenhouse is an additional cost, it offers an approach to managing certain insect pests on specific crops that would otherwise be impossible without suffering from significant yield loss. High Tunnel Screenhouse production for small- and medium-sized farms could produce more profitable crops, thus increasing the economic viability of agriculture communities.

3. Public Purpose and Need to be served.

The farm gate value for the top 13 vegetables and melons in Hawaii is approximately \$28.8 million in 2011, up 16% from 2010 (NASS, 2013). This hike in the local food crop production is likely due to an increased interest in buying local. However, high input cost and year-round pest and disease pressure are causing significant yield loss in Hawaii which is often compensated by a higher price for local produce. Battling with insects, diseases, nematodes, and weeds has been especially challenging for Hawaii farmers.

High tunnel screenhouses provide a barrier for virus transmitting insects as small as aphids or whiteflies. The advantages of increased crop yields and reduced pesticide applications are shown by scientists in Spain comparing screenhouse with open field production. With the relatively low cost for screenhouses, farmers can see a return on their investment within a few cropping cycles. This may result in a significant impact of this farming technique to ensure the production of multiple vegetable crops. A number of soil health practices can be used in high tunnels, including cover crops and crop rotations, which also prevent erosion, suppress weeds, increase soil water content, and break pest cycles.

High Tunnel screenhouses would allow farmers to have a certain level of diversification in their crop production. The ability to produce crops that are challenging for others could fill some gaps in local markets or even open a niche market without much competition. Improving the economic viability of small and mid-size farms means which would contribute to higher production and lower cost for Hawaii residents. Decrease crop yield loss from pests on vegetable crops would allow farmers to produce them at a more affordable price. Indirectly, consumers would be less reliant on imported food. Replacing just 10% of the food Hawaii currently imports would amount to approximately \$313 million dollars which would remain in the State (Leung, Loke 2008. Economic impacts of improving Hawaii's food self-sufficiency).

4. Target Population.

The direct target population for this request is small to medium-sized produce farmers in Hawaii. The majority of Hawaii farmers are small farmers. The USDA defines a small farm as an operation with gross cash farm income under \$250,000. According to 2017 census figures, 95% of the farms in Hawaii produce less than \$100,000 in revenue.

The indirect target population is the citizens of the State of Hawaii. When farms struggle with production costs to their operations, food costs will rise and locally produced supplies will dwindle. The cost in terms of impacts to the economy, higher unemployment, less availability of highly nutritional locally produced food, a changing landscape, and a reduction in food security are real but difficult to quantify.

5. Geographic Coverage.

The geographic coverage will encompass farms located on all of the major Hawaiian Islands.

III. Service Summary and Outcomes

1. Scope of Work, Tasks, and Responsibilities.

The Hawaii Farm Bureau (HFB) requests \$130,000 to develop affordable protocols for small farmers to construct High Tunnel Screenhouses using home improvement store supplies. This project will evaluate the practicality and profitability of high tunnel screenhouses for crop production for small produce farmers. The proposed project will provide land, materials and supplies to build affordable screenhouses for participating farmers. Vacant farmland will be identified and farmers will be selected to join our demonstration and evaluation activities for this project. At the farm project site, farmers will select their crops of interest to grow in the screenhouses. All farmers will receive training and assistance in the installation process.

HFB staff will perform the necessary administrative and support functions, assisted by contractors and volunteers from each of the 11 Farm Bureau County chapters located across the state. We are requesting funding for land lease, water, screen house materials and supplies, HFB's administrative costs, and costs of reporting of results through publications, the University of Hawaii, Hawaii's Department of Agriculture, and the Legislature.

2. Projected Timeline

The following anticipated timeline assumes that the funding will become available on July 1, 2022:

July 2022	Receive funds; identify farm site, prepare and distribute requests for proposals for participation.
August 2022 – October 2022	Receive and review proposals. Select participants.
November 2022 – October 2023	Build high tunnel screenhouses and run trials.
November 2023	Final reports are received.

3. Quality Assurance and Evaluation Plans.

Participants will be selected by an HFB Selection Committee comprised of individual farmers, CTAHR faculty, and commodity group representatives to ensure that approved participants are valid and likely to produce results of practical value to Hawaii's agricultural producers. Producers who are approved will be required to submit

reports detailing the progress of their projects. Projects will be evaluated continuously, suggestions will be made for improvement, and any projects that appear unlikely to produce practical results may be terminated.

HFB will generate quarterly reports for the HFB Committee to ensure accurate and timely completion of the projects.

4. Measures of Effectiveness.

Recommendations will be developed and ideally implemented for small produce farmers across the state. The goal and measure of success for this project are higher yields and lower pesticide use for small- and medium-sized farms resulting in more profitable crops, thus increasing the economic viability of agriculture communities.

Reports will be made to the legislature describing the success of the high tunnel screenhouse production terms of affordability yield.. The field trials location and dates of installation will be reported with an explanation of the procedure and field plots layout. The data collected and analyzed will be reported with the results and discussion of their usefulness and application to small farms in Hawaii.

IV. Financial

1. Budget. See attached

2. Anticipated Quarterly Funding Requests (Fiscal Year 2023).

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
\$100,000	\$0	\$0	\$0	\$100,000

3. Other Sources of Funding. None

4. State and Federal Tax Credits. None

5. Government Contracts and Grants it has been and will be receiving for program funding. None

6. Unrestricted Current Assets. \$818,303.92

V. Experience and Capability

1. Necessary Skills and Experience

HFB’s membership includes nearly 1,800 member families in 11 geographical County chapters on all main Hawaiian Islands. These are referred to as Farm Bureau Counties. They include:

- East Oahu County Farm Bureau
- Hamakua County Farm Bureau
- Hilo County Farm Bureau
- Ka'u County Farm Bureau
- Kauai County Farm Bureau
- Kohala County Farm Bureau
- Kona County Farm Bureau
- Maui County Farm Bureau
- Molokai County Farm Bureau
- South Oahu County Farm Bureau
- West Oahu County Farm Bureau

HFB serves Hawaii's agricultural community, including not only farmers and ranchers but also academic and industrial researchers. HFB also has extensive contacts among the industries, academic institutions, government agencies and commodity groups that serve and/or regulate agriculture in Hawaii.

HFB has extensive grant administration experience and has managed a number of similar successful projects in the past. The 2003, 2004, 2005, 2006, and 2007 Legislatures appropriated grants to the Hawaii Farm Bureau for the promotion of Hawaii's agricultural industry through agricultural research and market development projects. The 2015 and 2016 Legislature appropriated a grant to assist Hawaii's farmers to comply with the Food Safety Modernization Act. The 2019 Legislature appropriated a CIP grant for construction for the repair and restoration of the Hawaii Farm Bureau building and perimeter wall. In addition, HFB has received grants from the USDA, State of Hawaii, County of Hawaii, County of Maui, County of Kauai and the City and County of Honolulu.

2. Facilities

The funding for the High Tunnel Screenhouse will be carried out by various farmers in a selected farm site on Hawaii Island or Oahu. Facilities will be evaluated as part of the proposal evaluation process, at which time the suitability of the proposed facilities will be evaluated.

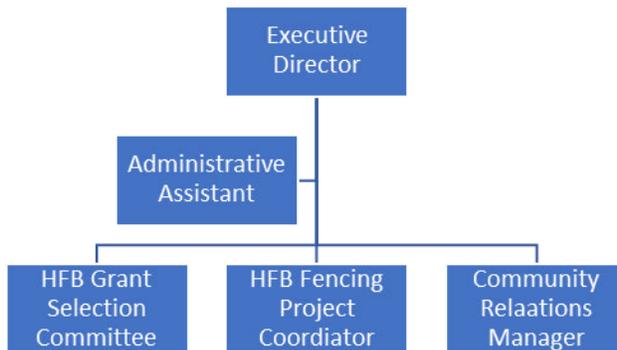
VI. Personnel: Project Organization and Staffing

1. Proposed Staffing, Staff Qualifications, Supervision and Training

Staffing will consist of an Executive Director, an Administrative Assistant and a Project Coordinator. An HFB Committee will develop RFP asking for proposals from producers to be performed consistent with the goals of the project. A committee will evaluate and score the proposals for selection. Contracts will then be issued. The Project

Coordinator will issue the RFP, oversee the project, compile the results and reporting, and organize communications, with assistance from the administrative assistant. The Executive Director will oversee the entire project with specific milestones to ensure the timely completion of the project. The Executive Director and the Administrative Assistant are already hired and are capable. The Project Coordinator must be familiar with Hawaii agriculture, produce crop production, organization, and communications. This person must demonstrate proficiency in each of these areas to the satisfaction of the committee.

3. Organization Chart



4. Compensation

Executive Director: \$90,000
Farmers' Market General Manager: \$61,800
Community Relations Manager: \$36,000

VII. Other

1. **Litigation.** None
2. **Licensure or Accreditation.** None
3. **Private Educational Institutions.** None
4. **Future Sustainability Plan.**

(a) The proposed project will result in information that will be available to other farmer and ranchers impacted by ungulates. The requested funding will unfortunately not be sufficient to provide fencing to every farm or ranch impacted by ungulates; however, this funding will make a significant impact on the farmers and ranchers that are selected.

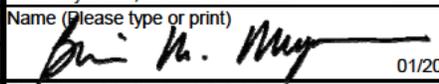
(b) If funding from the State is not available, funding will be sought from Federal sources such as the USDA and/or private institutions. Competitive Federal

grants are available; however, many in the agricultural industry nationwide will be seeking this limited funding source.

BUDGET REQUEST BY SOURCE OF FUNDS

Period: July 1, 2022 to June 30, 2023

Applicant: Hawaii Farm Bureau Federation

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	43,600			
2. Payroll Taxes & Assessments				
3. Fringe Benefits				
TOTAL PERSONNEL COST	43,600			
B. OTHER CURRENT EXPENSES				
1. Airfare, Inter-Island	2,000			
2. Insurance				
3. Lease/Rental of Equipment				
4. Lease/Rental of Space	3,600			
5. Staff Training				
6. Supplies	60,000			
7. Telecommunication				
8. Utilities	2,200			
9				
10				
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13				
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TOTAL OTHER CURRENT EXPENSES	67,800			
C. EQUIPMENT PURCHASES				
D. MOTOR VEHICLE PURCHASES				
E. CAPITAL				
TOTAL (A+B+C+D+E)	130,000			
SOURCES OF FUNDING		Budget Prepared By:		
(a) Total State Funds Requested	130,000	Brian Miyamoto, Executive Director 808-848-2074		
(b) Total Federal Funds Requested		Name (Please type or print) Phone		
(c) Total County Funds Requested				
(d) Total Private/Other Funds Requested		Signature of Authorized Official 01/20/22 Date		
TOTAL BUDGET	130,000	Brian Miyamoto, Executive Director Name and Title (Please type or print)		

BUDGET JUSTIFICATION - PERSONNEL SALARIES AND WAGES

Period: July 1, 2022 to June 30, 2023

Applicant: Hawaii Farm Bureau Federation

POSITION TITLE	FULL TIME EQUIVALENT	ANNUAL SALARY A	% OF TIME ALLOCATED TO GRANT REQUEST B	TOTAL STATE FUNDS REQUESTED (A x B)
Executive Director	1	\$90,000.00	0.00%	\$ -
Administrative Assistant	1	\$36,000.00	10.00%	\$ 3,600.00
HFB Project Coordinator	1	\$40,000.00	100.00%	\$ 40,000.00
				\$ -
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				\$ -
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				\$ -
				\$ -
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				\$ -
TOTAL:				43,600.00
JUSTIFICATION/COMMENTS:				

BUDGET JUSTIFICATION - EQUIPMENT AND MOTOR VEHICLES

Period: July 1, 2022 to June 30, 2023

Applicant: Hawaii Farm Bureau Federation

DESCRIPTION EQUIPMENT	NO. OF ITEMS	COST PER ITEM	TOTAL COST	TOTAL BUDGETED
Screenhouse -materials and supplies	60.00	\$1,500.00	\$ 90,000.00	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:	60		\$ 90,000.00	
JUSTIFICATION/COMMENTS:				

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

BUDGET JUSTIFICATION - CAPITAL PROJECT DETAILS

Period: July 1, 2022 to June 30, 2023

Applicant: Hawaii Farm Bureau Federation

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:						

GOVERNMENT CONTRACTS, GRANTS, AND / OR GRANTS IN AID

Applicant: Hawaii Farm Bureau Federation

Contracts Total: 735,000

	CONTRACT DESCRIPTION	EFFECTIVE DATES	AGENCY	GOVERNMENT ENTITY (U.S./State/Hawaii/ Honolulu/ Kauai/ Maui County)	CONTRACT VALUE
2	Contract 64921 - Food Safety, Yr 1	6/16 - 9/20	HDOA	State of Hawaii	325,000
1	Contract 65587 - Food Safety, Yr 2	1/17 - 6/21	HDOA	State of Hawaii	400,000
6	Contract 66650 - 2018 Hawaii State Farm Fair	4/18 - 6/19	HDOA	State of Hawaii	35,000
3	Contract 67668 - 2019 Hawaii State Farm Fair	4/19 - 6/20	HDOA	State of Hawaii	35,000
5	Contract 68482 - Invasive Species	3/20 - 2/21	HDOA	State of Hawaii	90,000
4	Contract c.008310 - COVID Emergency Food Purchase	4/20 - 3/21	Dept of Research and Dev	County of Hawaii	25,000
7	Contract 69022 - HFB Building CIP	5/21 - 4/22	HDOA	State of Hawaii	150,000
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