

House District 51 and 44
Senate District 25 and 21

THE TWENTY-NINTH LEGISLATURE
APPLICATION FOR GRANTS
CHAPTER 42F, HAWAII REVISED STATUTES

Log No:

For Legislature's Use Only

Type of Grant Request:

GRANT REQUEST – OPERATING

GRANT REQUEST – CAPITAL

"Grant" means an award of state funds by the legislature, by an appropriation to a specified recipient, to support the activities of the recipient and permit the community to benefit from those activities.

"Recipient" means any organization or person receiving a grant.

STATE DEPARTMENT OR AGENCY RELATED TO THIS REQUEST (LEAVE BLANK IF UNKNOWN):

STATE PROGRAM I.D. NO. (LEAVE BLANK IF UNKNOWN):

1. APPLICANT INFORMATION:

Legal Name of Requesting Organization or Individual:
Hawaii Farmers Union Foundation

Dbas:

Street Address: 235-A Auoli Drive, Makawao, HI 96768

Mailing Address: PO Box 443, Makawao HI 96768

2. CONTACT PERSON FOR MATTERS INVOLVING THIS APPLICATION:

Name SIMON RUSSELL

Title President, HFUF

Phone # 80269-81628-

Fax # _____

E-mail president@hfuf.org

3. TYPE OF BUSINESS ENTITY:

- NON PROFIT CORPORATION INCORPORATED IN HAWAII
 FOR PROFIT CORPORATION INCORPORATED IN HAWAII
 LIMITED LIABILITY COMPANY
 SOLE PROPRIETORSHIP/INDIVIDUAL
 OTHER

6. DESCRIPTIVE TITLE OF APPLICANT'S REQUEST:

Increasing Local Food Sales in Hawaii through strengthening regional aggregation and distribution centers (food hubs) in Waimanalo and Waianae

4. FEDERAL TAX ID #:

5. STATE TAX ID #:

7. AMOUNT OF STATE FUNDS REQUESTED:

FISCAL YEAR 2018: \$ 92,276

8. STATUS OF SERVICE DESCRIBED IN THIS REQUEST:

- NEW SERVICE (PRESENTLY DOES NOT EXIST)
 EXISTING SERVICE (PRESENTLY IN OPERATION)

SPECIFY THE AMOUNT BY SOURCES OF FUNDS AVAILABLE AT THE TIME OF THIS REQUEST:

STATE \$ _____
FEDERAL \$ _____
COUNTY \$ _____
PRIVATE/OTHER \$ _____

AUTHORIZED SIGNATURE

NAME & TITLE

DATE SIGNED

Simon Russell President

1-19-17



RECEIVED

1/19/17 *WJ*

Application for Grants

I. Background and Summary

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

The Hawaii Farmers Union United (HFUU), a statewide organization formed in 2009 is a nonprofit corporation formed under Hawai'i law. It advocates for the sovereign right of farmers to create and sustain vibrant and prosperous agricultural communities for the benefit of all Hawai'i through cooperation, education and legislation, and has grown to 1022 members in 10 local chapters statewide. HFUU (www.hfuuhi.org) is part of the National Farmers Union (est 1902), AKA the National Farmers Educational and Cooperative Union of America. www.nfu.org. On Oahu, HFUU's membership is growing quickly and by Dec 2016, two new chapters were formed: the Waianae Coast Chapter and the Waimanalo Chapter.

HFUU and its foundation, Hawaii Farers Union Foundation a 501(c)3 (HFUF) have demonstrated their ability to mobilize resources and create the community-wide collaboration necessary for carrying out programs statewide, including farmer training workshops, demonstrating innovative methodologies, such as the Open Tatura Trellis for fruit production, and the Farm Apprentice Mentoring (FAM) program to train beginning farmers on Maui. The FAM program is part of a five-point strategic plan for the Hawaii Farmers Union Statewide with many of its facets being piloted on Maui that will have an economic impact not just for the FAM program but for Maui's food growers, distributors, retail and wholesale food outlets, ag-tourism and of course for building our agricultural workforce. HFUU's strategic plan includes:

1. **Education/Workforce Development.** We recognize that an understanding of sustainable agriculture principles, practical farming skills, and a business background are inseparable parts of being a successful farmer.
2. **Access to farm lands/Affordable Land Trusts.** A culture of food and farming begins with the farmer and the land. Accessing land, resources, and knowledge required to start a farm enterprise is a challenge for beginning farmers.
3. **Regional Nutrient Cycling Centers.** Farmers and farm operators need to lower the cost of farming inputs by creating regional nutrient cycling centers for building healthy soil.
4. **Agricultural facilities and production resources development/Food Hubs.** We have a goal of building up regional facilities and resources that will boost the viability of farming operations in the various regions
5. **Truth in Origin Labeling.** The word "Hawai'i" on a label sells, regardless of where the crops are grown. Our agricultural integrity and our producers' livelihoods are compromised by counterfeiting and unethical businesses profiting from misleading labeling.

2. The goals and objectives related to the request

Goal. The overarching goal of this project is to strengthen the support structure for farmers on Oahu through stronger HFUU Chapters and more effective food aggregation and distribution. The project will strengthen two existing efforts namely Waimanalo and Waianae region food aggregation and distribution centers. This will be done through a project coordinator that will design a hub grower's enrollment program, develop a food safety quality and traceability system, and a vehicle for produce delivery and pick-up.

While these two regional projects have received support from the federal government to get up and running, their budgets merely cover personnel expenses but not expenses associated with the logistics of organizing the supply of demand of their marketing initiatives. A key factor in

successful food networks. Additionally neither of the projects has a built-in the food safety component and quality assurance program to ensure that the participants' supply of product that is of high quality with a sound and transparency program. The HFUF project will strengthen the two regional projects by addressing those aspects. Having discussed and coordinated with the managers and the key stakeholders of the two regional centers in Waimanalo and Waianae, it is clear that this project has the potential to double, and up to triple, the local food sales of each regional center. This statement is supported by promissory message by buyers (see support letters) to the regional center: *"we will purchase two to three times more than currently when you have the ability to deliver two to three days more per week;* an important benefit to farmers throughout the region and to customers who will enjoy fresh local produce.

Objectives. Overall objective: Strengthen the support structure for farmers on Oahu through stronger HFUU Chapters and more effective food aggregation and distribution.

Objective 1. To assist distribution and logistics needs of supply and demand for the two centers. This will be done by allowing access to refrigerated vehicle and a driver that will increase effectiveness of food centers.

Objective 2. Design and implement a quality assurance and food safety program for each regional center- as each regional centers commercializes through purchase of produce and products from multiple growers it is important that quality can be guaranteed, food safety can be ensured, and that traceability and recall systems are in place. The project will help each center design quality food safety programs.

Objective 3. Facilitate a comprehensive enrollment program for participating food hub farmers including aspects of contracts and liability. This service will help growers develop their business, be able to spend more time farming and less time on e.g. administrative matters, and help the farmers' businesses to become more successful. The project will design a system that is appropriate for each center and its participant; however, both will create a spectrum of participation program for growers and develop food hub services accordingly.

Objective 4. Assist to identify a minimum of suitable 20 participating farmers in two regions. HFUF will help existing efforts to identify "good-fit" growers in each region.

Objective 5. .Develop and grow HFUU Chapters on Oahu including Waianae Coast Chapter, Waimanalo Chapter, and help establish North Shore Chapter. Assist each Oahu chapter with 1) conducting chapter meetings, 2) identifying small farmers and their needs, 3) planning for guest speakers and other food demonstrations that meet member needs, 4) help chapter's to increase member benefits and 5) assist North Shore members to start their own HFUU chapter.

Table 1: Increasing Local Food Sales in Hawaii through strengthening regional aggregation and distribution centers in Waimanalo and Waianae					
USDA Federal Level Goals & Objectives	HDOA State Level Goals & Objectives	Project Goal	Project Objectives	Project Short term Outcomes	Project Long Term Outcomes
<p>Goal 1: Assist rural communities to create prosperity so they are self-sustaining, repopulating and economically thriving¹ Objective: increase agricultural opportunities by ensuring a robust safety net, <u>creating new markets, and supporting a competitive agricultural system.</u></p>	<p>Goal 1 Increase Markets and Products Value² Objective 2: Coordinate approval efforts with marketing efforts; Promote Hawaii products in local, domestic and foreign markets; <u>activity:</u> Develop food safety certification procedures and standards and assist producers to incorporate them into their daily operations; Conduct sales generating activities in selected target or niche markets with the highest demand for selected agricultural products and value-added processed products in local.</p>	<p>Strengthen Waimanalo and Waianae region food hub projects to design a hub grower’s enrollment program, food safety quality and traceability system, and the purchase of two vehicles for logistics.</p>	<p>1.To assist distribution and logistics needs of supply and demand for the two centers</p> <p>2. Design and implement a quality assurance and food safety program for each regional center</p> <p>3. Facilitate enrollment program for participating food hub farmers</p> <p>4.Assist to identify a minimum of suitable 20 participating farmers in two regions</p> <p>5. Grow HFUU Waianae, Waimanalo and help establish North Shore chapter</p>	<p>Increase regional availability of locally produced food in two regions</p> <p>Ensure the highest measure of food safety and quality for local customers</p> <p>Double sales of two regional food centers</p> <p>Generate extra income for small scale farmers</p> <p>Improve small farm representation on Oahu</p>	<p>Increase direct food sales in Oahu</p> <p>Increase affordability of local food</p> <p>Increase small farm economic viability</p> <p>Increase the number of farmers in Hawaii</p> <p>Reduce rural poverty on Oahu and in Hawaii</p>

¹ USDA Strategic Plan <https://www.usda.gov/documents/usda-strategic-plan-fy-2014-2018.pdf> (accessed 1/10/17)

² HDOA Strategic Plan <https://hdoa.hawaii.gov/wp-content/uploads/2012/12/HDOA-Strategic-Plan-12.16.08-final.pdf> (accessed 1/10/17)

3. The public purpose and need to be served;

Compared with the mainland, Hawaii's agricultural sector faces unique challenges and opportunities. One major difference with the mainland is the structure of the market: the vast majority of farmers in Hawaii are small-scale producers. On the island of O'ahu, 743 of the 999 farmers produce on only 1-9 acres (source: 2012 USDA Agricultural Census). Most of these small farm operations lack the scale to build their own processing, storage and distribution infrastructure. Moreover, marketing and distribution represent a substantial cost and time drain, as does complying with food safety regulations. These small farmers also lack the market power to be able to negotiate favorable conditions with large distributors and in some cases their production levels are too small to be of interest to distributors. In short, small farmers face many challenges in reaching economic viability. However, given their large numbers and the fact that many of them use regenerative techniques that re-build healthy soils and protect the environment, they represent the best hope for Hawaii to achieve food security.

This project is entitled "**Increasing Local Food Sales in Hawaii through strengthening regional aggregation and distribution centers (food hubs) in Waimanalo and Waianae.**" It aims to put in place the infrastructure that small farmers need to be more successful, as well as provide them with the guidance and support they need to bring their farm businesses to the next level of maturity. Local food hubs of the type envisioned in this proposal would enable small farmers to produce and sell more as well as improve their financial viability.

In 2016 HFUU established two new chapters on the island of Oahu- Waimanalo Chapter and the Waianae coast chapter. These chapters meet monthly with the farmers, farm workers, and the supporting community to promote sustainable food and agriculture. Farmers within both regions have explored potential collaborative relationships in the areas of packaging, distribution and sales in order to improve the marketing farm-to-table products. These new regional farm centers are also known as **food hubs**.

What is a food hub?

A regional food hub is a business or organization that actively manages the aggregation, distribution, and marketing of source-identified food products primarily from local and regional farmers to strengthen their ability to satisfy wholesale, retail, and institutional demands (Barham et. al, 2010). Small farmers and growers who produce local foods face challenges in scaling-up, due to the significant costs of marketing their products and processing those products to prepare them for market (Day-Farnsworth and Morales, 2016); in addition, the incentive for farmers to expand and increase efficiency is reduced as more time is spent on off-farm business activities, such as marketing and networking (Martinez et. al., 2010). One of the main benefits of a food hub for small farmers is that it allows a local focal point close to home where they can sell their produce and products. For the local food system as a whole, a food hub results in outcomes such as increased availability of local food, increased availability of quality foods such as organically produced food, more affordable local food, and the increased economic viability of food producers (Day-Farnsworth and Morales, 2016).

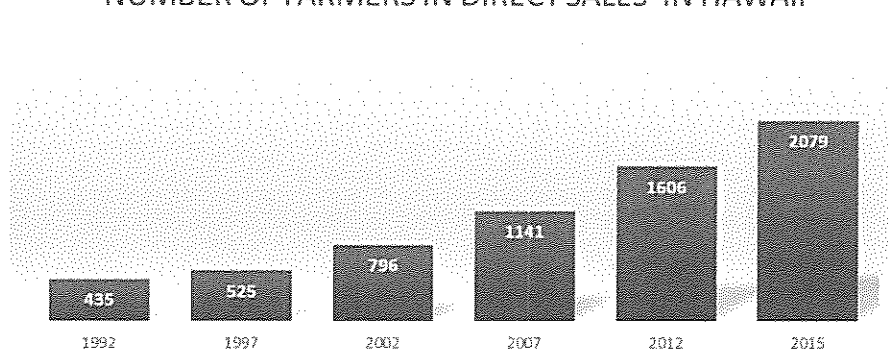
Local food markets typically involve small farmers and short supply chains in which farmers also perform marketing functions, including storage, packaging, transportation, distribution, and advertising (Martinez et. al, 2010). According to the definition adopted by the U.S. Congress in the 2008 Food, Conservation, and Energy Act (2008 Farm Act), the total distance that a product can be transported and still be considered a "locally or regionally produced agricultural food product" *is less than 400 miles from its origin, or within the State in which it is produced*. Terms such as "local food," "local food system," and "(re)localization" are often used interchangeably to

refer to food produced near its point of consumption in relation to the modern or mainstream food system (Peters et. al., 2009).

Hawaii’s local food industry is growing rapidly. In fact, direct sales by farmers to consumers are a more reliable source of income for Hawaii’s farmers than in the mainland of United States. The 2012 US agricultural census shows that the state of Hawaii has 7,000 farmers of which 1,606 farmers participated in direct sales or agricultural products sold directly to individuals for human consumption³. However, a 2015 report by the USDA’s Agricultural Marketing Service shows even more impressive trends for direct farmer to consumer marketing and sales in Hawaii⁴. In 2015, the number of operators participating in direct sales totaled 2,079 (excluding operators in value added production; see graph 1) and sales of \$22,800,000 (see graph 2). Compared to 2007, that is an increase of 1,282 (112%) operators and \$14,143,000. In other words, the value of direct sales in Hawaii has increased by 163% and in 2015 there were 112% more operators compared to 2007.

Hawaii’s local food production sales reached \$84 million, according to a 2015 Local Foods Marketing Practices Survey released by the USDA⁵- this also includes direct sales by farmers to stores. According to the 2015 report, approximately 30% of Hawaii’s farmers are now participating in direct sales, significantly more than the 2012 national average for the United States mainland. For United States, only 6.8 percent (144,530) of all farmers participate in agricultural products sold directly to individuals for human consumption in 2012. Also when compared to the state of California that has the largest direct sales of all United States, \$2,869 million in 2015, approximately 13% (10616) of their farmers participate in local food systems while 29% (2079) for Hawaii. The growing trend in local food generates more income for farmers and more jobs in Hawaii especially when accounting for the multiplier effect of the \$84 million spent on local food.

GRAPH 1: LOCAL FOOD SYSTEMS
NUMBER OF FARMERS IN DIRECT SALES IN HAWAII

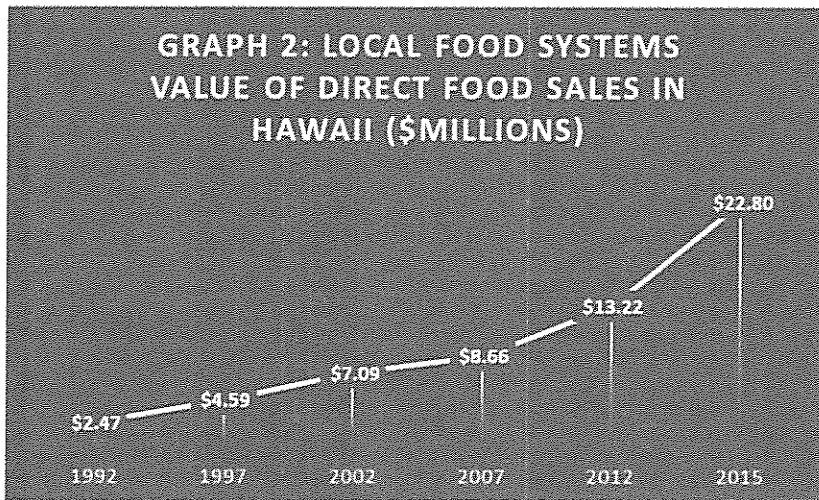


Source: US Agricultural Census 2012, 2007, 2002, 1997, and 1992 Hawaii and USDA 2015 Local Food Marketing Practices Survey National Agricultural Statistics Survey

³ Value of agricultural products sold directly to individuals for human consumption. This item represents the value of agricultural products produced and sold directly to individuals for human consumption from roadside stands, farmers’ markets, pick-your-own sites, etc. It excludes non-edible products such as nursery crops, cut flowers, and wool but includes livestock sales. Sales of agricultural products by vertically integrated operations through their own processing and marketing operations were excluded. Source: USDA Census Dictionary, 2012.

⁴ USDA 2015 Local Food Marketing Practices Survey National Agricultural Statistics Survey

⁵ <https://hdoa.hawaii.gov/wp-content/uploads/2016/12/122016LocalfoodHI.pdf>



Source: US Agricultural Census 2012, 2007, 2002, 1997, and 1992 Hawaii and USDA 2015 Local Food Marketing Practices Survey National Agricultural Statistics Survey

4. Describe the target population to be served; and

HFUU Oahu Waianae Coast chapter⁶ was established Aug 2016 to represent the farmers, workers and supporting local food community on the leeward coast. The monthly meetings are hosted at Kahumana organic farm as a focal point for the farm community in Waianae. In 2017, Kahumana Organic Farm started their USDA funded regional farm and food hub project to help small farmers and backyard growers in the Waianae Coast region. Alternative Structures International (dba Kahumana Organic Farms) is a 501(c) 3 non-profit organization operating on 50 acres in Lualualei Valley in Waianae. Kahumana Organic Farms provides multiple social and community programs, such as an Organic Farm and Café, staffed by members of its disability and homelessness programs; a Commercial Kitchen, serving over 1,200 meals a day to over 35 schools and youth-based organizations; and its Learning Center, providing outcome-based services for people with developmental disabilities. Kahumana Organic Farms (KOF) proposes the creation of the Kahumana Farm Hub, a cohesive community-based farming group, whose members (small farmers and backyard growers who are enrolled in the project) have access to storage, packaging, marketing, and transportation in order to reach new markets. The idea is that the Kahumana Farm Hub (KFH) will increase supply and affordability of local food when creating an infrastructure to aggregate Leeward Oahu produce and products to be available for market sale. The prohibitive costs associated with farmers tackling these activities on their own, coupled with the ever-growing density and duration of traffic coming in and out of Waianae, KFH creates a system that perpetually keeps West Oahu small farmers from accessing lucrative and steady buyer markets and significantly restricts the growth and access of local specialty crops. KFH will expand its buyer market access points, by incorporating 20 new West-Oahu small farmers and backyard growers to meet the demand of existing buyers, while appealing to expansion to seven (7) new buyers⁷.

HFUU Oahu Waimanalo chapter was established in Dec 2016 and meetings are held monthly at 'Ai Love 'Nalo, a vegan restaurant rated one of the 10 hottest new restaurants by Eater. Before the chapter was established, HFUU had an Oahu chapter that hosted monthly meetings in Waimanalo. Small farmers in Oahu's windward region including Waimanalo and Kailua, have

⁶ <https://hfuuhi.org/chapters/oahu-waianae-chapter/>

⁷ Jan 1, 2017 Kahumana Organic Farm was awarded a USDA Specialty Crop Block Grant Program to kick-start KFH.

been building networks among each other and formed an agricultural cooperative called Friend with Farms in 2015. The Friends with Farms co-op was created to help farmers share resources and know-how, and to aggregate healthy locally grown produce and value-added products from multiple small growers. The aim is to gather critical mass for sales at farmers' markets and through a large Community Supported Agriculture (CSA)⁸ initiative that will be launched during the first half of 2017. CSA operations are a strong component of direct farmer-to-consumer sales and local food systems in Hawaii. To support its plans, in 2016 Friends with Farms was awarded a grant by the USDA's Farmers Market Promotion Program (FMPP), the only FMPP award recipient in the state. The funds will be used to launch and sustain the CSA during the first three years of its operation. The aim for 2017 is to aggregate the production of small growers to supply food (a weekly or bi-weekly box plus add-ons) to 200 subscribers.

By strengthening these activities through the HFUU network and addressing the critical marketing and distribution needs, the *Increasing Local Food Sales in Hawaii through strengthening regional aggregation and distribution centers (food hubs) in Waimanalo and Waianae* project will benefit the farmers in both regions as well as consumers on Oahu with fresh local produce. It will create a stronger supporting environment for the small farmers and contribute to overall food security.

5. Describe the geographic coverage.

- This project will create extra income opportunity for small farmers on East and West Oahu (see appendix list of participants) and put in place a framework for increasing support to the family farmer.
- This project will sell produce through super markets and convenient stores, farmers markets, CSAs, farm corner stores, and café's mainly on the island of Oahu

II. Service Summary and Outcomes

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

The following activities, measurable outcomes and long term outcomes will likely result from this project.

Activities:

- Research activities for understanding best management practices in 1) food hub participants enrollment system (objective 1), and 2) research traceability and transparency systems in local food sourcing.
- Implement a grower enrollment program and traceability and recall system for the two centers (objective 1 and 2);
- Provide vehicle, staffing, and schedules for distribution system for the two centers (objective 3)
- Select and create a database of grower participants for the two centers and identify member needs (objective 4);
- Support Waimanalo, Waianae HFUU chapter meetings; establish a communication forum for HFUU Oahu; establish a HFUU Oahu newsletter; outreach to farmers; identify board members to help establish HFUU Oahu North Shore Chapter.

⁸ In basic terms, CSA members or "share-holders" of the farm pledge in advance to cover the anticipated costs of the farm operation and farmer's salary. In return, they receive shares in the farm's bounty throughout the growing season, as well as satisfaction gained from reconnecting to the land and participating directly in food production. (DeMuth, 1993)

Measurable Outcomes

- Outcome 1. Double sales of two regional aggregation and distributions centers (measured in pounds and dollars)
- Outcome 2. Increase regional availability of locally produced food in Waimanalo region and Waianae region measured through the two centers (measured in pounds)
- Outcome 3. Generate extra income for small scale farmers measurable through the income generated by 1) aggregate sales, and 2) money paid to participating growers (measured in dollars)
- Outcome 4: Improve small and regenerative farm representation on Oahu by helping HFUU Oahu chapters formalize several aspects of their chapters including but not limited to 1) conducting chapter meetings, 2) conducting board meetings, 3) planning for guest speakers and other food demonstrations, 4) increase member benefits and 5) establish a new HFUU chapter on Oahu's North Shore.

Long term Outcomes: 1) Increased direct food sales in Oahu, 2) Increase affordability of local food, 3) Increase small farm economic viability, and 4) Increase number of farmers in Hawaii
Reduce rural poverty in Hawaii

2. Provide a projected annual timeline for accomplishing the results or outcomes of the service;
 - Project Implementation Plan, Deadlines
 - Aug 30 2017. Contract food hub coordinator
 - Oct 30, 2017. Purchase and install cold units in delivery vehicle
 - Oct 30, 2017. Review, coordinate and build 2018 strategy for each regional center
 - Dec, 30, 2017. Complete research tasks/ best management practices
 - Jan 30, 2018. Launch growers' enrollment program
 - Jan 30, 2018. Launch food hub traceability and transparency program
 - Jan-Dec, 2018: Assist each regional center with supply and demand of their food hubs
 - December, 2018: At the end of year 1 of the project, the outcomes will be realized
3. Describe its quality assurance and evaluation plans for the request. Specify how the applicant plans to monitor, evaluate, and improve their results
 - Data will be collected on the pounds of produce that move through the centers, the extra income generated to small farmers, the cost and revenues of operating the food hub, and aggregate local food sales from both regional centers
 - Lessons learned Report: Participating growers, food hub operators, and customers will be interviewed to understand the challenges and successes associated with the regional centers. Forum will present findings to all stakeholders.
 - Oahu food hub presentation will be created based on lessons learned report and presented to all other 10 HFUU chapters
 - Person responsible for quality assurance and evaluation plans, the project coordinator, will meet the minimum qualifications to monitor, analyze, evaluate, and improve programs. (see listed job description in Appendix).
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.

- A grower enrollment program in place;
- Food Safety traceability and recall system for the two centers designed;
- Refrigerated vehicle supports distribution system for the two centers ;
- Database of grower participants for the two centers created; and
- A communication forum for HFUU Oahu established

▪ **III. Financial**

Budget

1. The applicant shall provide its anticipated quarterly funding requests for the fiscal year 2018.

Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant
\$65,000		\$27,276		\$92,276

Budget Justification

Item	HFUF	Description HFUF See1
Personnel-Salary	\$40,000	Annual salary project coordinator
Personnel- Benefits	\$11,888	Fringe benefits counted at 14%+ \$524 monthly health insurance
Supplies	\$500	Office supplies including computer and printer station
Communication	\$1,500	Estimated expense of \$125 monthly
Delivery Vehicle Purchases	\$30,000	1 Project delivery and distribution vehicle with installed cold units
Administration/book Keeping	\$4,000	Financial and human resources tasks for project
Insurance	\$1,200	
Evaluation/Reporting	\$3,188	Oversight and support to evaluation and reporting by HFUF
Total	\$92,276	

2. The applicant shall provide a listing of all other sources of funding that they are seeking for fiscal year 2018.
3. 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 and grants it has been and will be receiving for program funding.

Hawaii Farmers Union Foundation 2016 procurement- not related to this project

- Hawaii Department of Agriculture \$98,000
- The county of Maui \$75,000
- Kamehameha Schools \$149,000

- The Atherton Foundation \$25,000

Kahumana Farm Hub, 1 Jan, 2017.

- USDA Specialty Grant Program \$40,000

Friends with Farms

- USDA 2016 \$250,000

6. The applicant shall provide the balance of its unrestricted current assets as of December 31, 2016.

Not applicable – all programmatic

The applicant shall provide a listing of all other sources of funding that they are seeking for fiscal year 2018.

Non identified at this time for this project

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

None applicable – no credits granted.

IV. Experience and Capability

A. Necessary Skills and Experience

The applicant shall demonstrate that it has the necessary skills, abilities, knowledge of, and experience relating to the request:

Since its inception in Hawaii in 2009, HFUU and has advocated for the sovereign right of farmers to create and sustain vibrant and prosperous agricultural communities for the benefit of all Hawai'i through cooperation, education, and legislation. HFUU represents the organization in the Hawaii legislature through the introduction of bills that support bio-diverse family farms and with our Hawaii Chapters relationship with the National Farmers Union United (est. 1903), in supporting small farmer legislation in the U.S.Congress. HFUU's leadership participate in NFU activities including the creation and chairing of a national committee on soil health by HFUU President Vincent Mina. HFUU also receives funding and technical assistance from NFU. Tulsi Gabbard was our keynote speaker at the HFUU 5th Annual Convention on Maui.

HFUU has demonstrated its ability to mobilize resources and create the community-wide collaboration necessary for carrying out programs statewide. It is respected for the wide variety of farmer training programs. HFUU has over 1000 members and is led by a highly qualified Board of Directors. Through its HFU Foundation, it manages programs at the county and state level. HFUF has, as part of its leadership, a professional program manager with over 25 years experience in managing international, national and local programs.

Project collaborators, Kahumana Organic Farms and Friends with Farms Co-op, have the capacity to carry out activities and achieve project goals. The proposed Project Coordinator is highly qualified to lead the project, as demonstrated by attached CV.

Please also see appendix 1) job description for project coordinator, 2) CV for qualified project coordinator, and 3) support letter with qualified project collaborators.

B. 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.

1. The Kahumana Farm Hub (KFH) provides Leeward Coast farmers and backyard growers with access to new markets, such as restaurants, retail stores, and food hubs. Small farmers and growers who produce local foods face significant barriers to entry, due to the prohibitive costs of marketing their products and processing their specialty crops to prepare them for market. The Kahumana Farm Hub (KFH), through its established market buyer channels and those that will be cultivated as a result of this project, provides specialty crop small farmers and growers access to restaurants and retail stores that will allow for the elimination of wasted produce and the opportunity to more easily grow their farming operations at a manageable pace. Additionally, KFH provides cold storage, processing facilities, packaging material, delivery costs, and expertise to complete these tasks, alleviating the burden on smaller farmers. In addition to creating a platform for small farm specialty crop distribution, a second function of KFH is the Resource Center. The Resource Center provides organic inputs, seeds and other supplies at a wholesale rate for KFH Member specialty crop farmers, lowering the cost of inputs, while encouraging sustainable farming practices. Organic inputs, and seeds are significantly more expensive than their conventional counterparts. Through Kahumana Organic Farms' established relationships with wholesale distributors, KFH Members will reap the benefit of access to organic inputs at group wholesale rates.

2. Friend with Farms, Waimanalo: Our project coordinates and aggregates the production of multiple farmers to meet customer demand. Our ultimate goal is to build an integrated supply chain with diversified, dependable product offerings that is capable of flexible and highly-efficient just-in-time delivery. Our initial endeavour for accomplishing this will be the establishment of a multi-farm Community Supported Agriculture (CSA) organization. The CSA will enable many small farmers to find markets and offer buyers a steady and varied supply of products. It will greatly reduce the time and costs associated with marketing and distribution and provide a more predictable cash flow to farmers who participate. All farmers - no matter how large or small their production - will be able to directly access a larger market. Aggregation facilities are currently not in place. We are informally aggregating in the GoFarm Hawaii⁹ Coolbot with Go Farm Incubators. Coordination needed on weekly basis. Farmers currently bring cooler to market before and pick up extras afterward.

⁹ GoFarm program is a new farmer initiative by University of Hawaii at the Waimanalo Research Station

V. Personnel: Project Organization and Staffing

A. Proposed Staffing, Staff Qualifications, Supervision and Training;

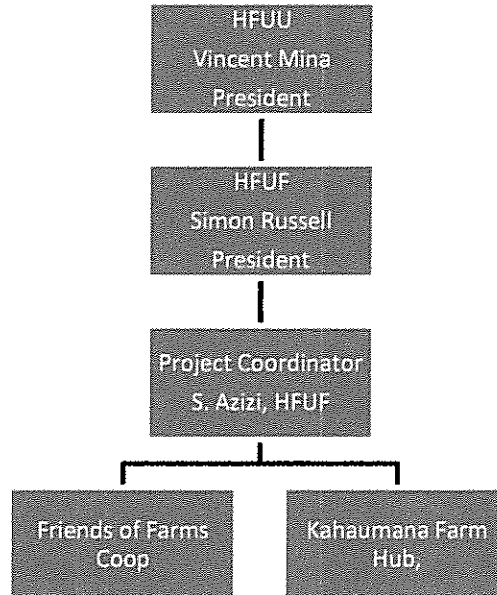
Table 2 shows the individuals and entities are collaborating in this project:

Name/ Title	Role & Responsibility	Funding Source
Simon Russell – President HFUF	Project adviser- overseeing the goals, objectives, and meeting deadlines	HFUF 100%
Vincent Mina- President HFUU	Project Education Outreach and Communications- spreading information about project to other HFUU chapters and 2017 convention	HFUU 100%
Project Coordinator- Saleh Azizi (proposed) HFUF	Project coordinator- responsible for project ongoing objectives and activities	Grants in Aid 100%
Christian Zuckerman- Kahumana Farm Manager P HFUU Waianae Chapter	Project manager of Kahumana Farm Hub	Kahumana Farms 90% USDA Specialty Block 10%
Project Coordinator- Kahumana Farm Hub	Full-time staff of Kahumana Farm Hub responsible for delivery and distribution	USDA Specialty Block 70% Kahumana Farms 30%
Sean Evan Green Row Farm owner P HFUU Waimanalo VP Friends with Farms	Project participating farm in Waimanalo	Green Row Farms 100%
Paul Izak Yogarden Farm owner VP HFUU Waimanalo Director Friends with Farms	Project participating farm in Waimanalo	Yogarden Farms 100%
La'amea Lum President Friends with Farms	President for Friends with Farms CSA initiative	True Story Farm 100%
Paul Arinaga Friends with Farms Manager	Project manager for Friends with Farms CSA initiative	USDA Local Food Promotion program 100%
Pam Boyar FarmLovers Market CEO	Supporting farmers markets for the two regional centers	FarmLovers Market 100%
Part-time driver 1-TBD	Delivery and distribution person for	Grants in Aid

HFUF	regional centers	30%
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B. Organization Chart;

Figure 1 HFUU and HFUF project organizational chart



C. Compensation

The applicant shall provide the annual salaries paid by the applicant to the three highest paid officers, directors, or employees of the organization by position.

Not applicable, HFUF Directors are volunteer positions.

VI. Other

A. 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

B. 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.

Not applicable

C. 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.

D. Future Sustainability Plan

The applicant shall provide a plan for sustaining after fiscal year 2017-18 the activity funded by the grant if the grant of this application is:

- (1) Received by the applicant for fiscal year 2017-18, but (2) Not received by the applicant thereafter.

As stated by Farm manager Christian Zuckerman and Farmlink's director Rob Barreca in his support letter (please find attached to this document) we asses that the cost of future vehicles, staff, and other expenses associated with each center will be funded by the doubling food sales for each regional hub.

E. 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, 2016.

Please see attached

Reference List

- Barham, J., Tropp, D., Enterline, K., Farbman, J., Fisk, J., & Kiraly, S. (2012). Regional food hub resource guide (No. 145227).
- Day-Farnsworth, L., & Morales, A. (2016). Satiating the demand: Planning for alternative models of regional food distribution. *Journal of Agriculture, Food Systems, and Community Development*, 2(1), 227-247.
- DeMuth, S. (1993). Community supported agriculture (CSA): an annotated bibliography and resource guide. *Agri-topics (USA)*.
- Martinez, S., Hand, M., Da Pra, M., Pollack, S., Ralston, K., Smith, T., Vogel, S., Clark, S., Lohr, L., Low, S. Newman, C. (2010) *Local Food Systems: Concepts, Impacts, and Issues*, ERR 97, U.S. Department of Agriculture, Economic Research Service, May 2010.
- Peters, C. J., Bills, N. L., Wilkins, J. L., & Fick, G. W. (2009). Foodshed analysis and its relevance to sustainability. *Renewable Agriculture and Food Systems*, 24(1), 1.

Appendix

1. List of Potentially Participating Farmers and Growers

#	Name	City	Crop
1	Mauna Farm	Waianae	Greens, herbs, carrots, leeks
2	Happyponics	Waianae	Tilapia, greens, eggs
3	Hawaiian Venom	Waianae	Honey
4	Naked Cow Dairy	Waianae	Cheese, butter, yogurt
5	Lemon Farm Lady	Waianae	Lemon/ Lime
6	Kaala Learning Center	Waianae	Taro
7	Alice Farm	Waianae	Banana, greens
8	Hoa'aina O Makaha	Waianae	Greens, eggplant
9	Makaha Mangoes	Waianae	Mangoes
10	Waianae Rainbow Eggs	Waianae	Eggs
11	Ili'Ili Farms	Waianae	Lettuce
12	Ailani Gardens	Waianae	Greens
13	Paradise Acres Pigs Farm	Waianae	Pork
14	Herb Co	Waianae	Basil, herbs
15	Kogachi Orchards	Waianae	Flowers, citrus,
16	Forage Food Truck	Waianae	Meat, fish, lamb,
17	Kozen Farm	Big Island, Kamuela	
18	UHWO Student Farm	Kapolei	Greens, herbs,
19	Ho Farms	Ewa	Greens, beans, cucumber, tomato

#	Name	City	Crop
1	Green Rows Farm	Waimanalo	Pickled mushrooms, Lilikoi, herbs
2	Yogarden Farm	Waimanalo	'ōlena (turmeric), Swiss chard, 'kalo (taro), mint, eggplant, greens/lettuces, soursop, turmeric candies
3	Honest Green	Waimanalo	
4	Frankie's Nursery	Waimanalo	
5	Little Tomato Farm	Honolulu	Eggplant, okra, tomato, basil, Chinese snow peas, green beans, arugula, beets, chard,

			Hakurei turnip, radish, butternut lettuce, summer onions, papaya
6	Kevin Flanagan	Waimanalo	Turmeric, ginger, Moringa, long beans
7	True Story Farm	Kailua	Greens/Lettuces, tomato, okra, beans, turnips, eggplant, banana, papaya, 'ōlena, 'kalo
8	Root & Leaf	Waimanalo	Medicinal herbs Specialty Products: herbal teas, herbal salves, tinctures, tonics
9	Back to the Farm	Honolulu	Eggplant, kale, tomato, banana, 'kalo, papaya, Lilikoi, cassava
10	Hawaiian Meli	Kailua	Local honey, Specialty: Onsite Bee Rescue Services
11	Good Greens Hawaii	Honolulu	Greens, cilantro, basil arugula, collard greens, round & long eggplant, kale, Lilikoi, mix lettuce, papaya, Swiss chard
12	Kanu Farms	Waimanalo	Eggs, Meyer lemons, Nalo oranges, starfruit
13	Kakalina Farms	Waimanalo	Tropical flowers, White Sapote, lychee, mountain apple, banana, 'ulu, lemons/limes, guava, starfruit, ong choy, macadamia nut, spices
14	Vida Farms	Waimanalo	Asparugus, tomatoes, greens/lettuces, beans, tomatillos, Poha berries, beets, carrots
15	Bear Claw	Honolulu	Arugula, mixed salad greens, Swiss chard, cilantro, Chinese cabbage, Hakurei turnip, scarlet turnip red radish, okra, kale
16	Ilio Lani Farms	Waimanalo	
17	Small Kine Farms	Waimanalo	Mushrooms
18	Papa's Pride Farm	Waimanalo	
19	Nanae Farm	Waimanalo	Beets, daikon, green onions, mustard cabbage, kale Swiss chard
20	Wailupe Farms LLC	Honolulu	
21	Hawaiian Sunshine Nursery, Inc.	Waimanalo	
23	Ho'oulu Pacific	Honolulu	Romaine lettuce (aquaponics), tilapia
24	Roots and Branches	Haleiwa	coconut
25	Fields of Aloha	Waialua	Greens, vegetables, fruit
26	Summer Sky Farm	Ewa Beach	Salad Mix wild fire, Spicy micro mix salad, Eggplants, Banana apple, Kalo- Piko Ulaula, Grape Fruit, Tangerines, Limes, Broccoli leaf, Head Cabbage
27	Lokoea farm	Haleiwa	Navel oranges

			Meyer lemon, papaya, Lilikoi
28	Counter Culture Food & Ferments	Waialua	Cabbage, green beans, corn, squash, okra Specialty Products: small batch probiotics. Tempeh, fermented Kim Chi, sauerkraut, relish, pesto, cornmeal

2. Job Description: HFUF Oahu Food Hub Project 2017/2018

Title: Food Hub Project Coordinator

Hawaii Farmers Union Foundation; www.hfuf.org

P.O. Box 443, Makawao, HI 96768

General Information

Location: 1) Kahumana Farm Hub, Waianae; and 2) Friend with Farms, Waimanalo

Date Posted: Aug 01, 2017

Closing Date: Aug 30, 2017

Capacity: Full-time

Annual Salary: \$40,000 including benefits and health insurance

Duties and Responsibilities

- Grow HFUU Chapter on Oahu including Waianae Coast Chapter, Waimanalo Chapter, and help establish North Shore Chapter
- Assist Waimanalo co-op Friends with Farms and Waianae food hub Kahumana Farm Hub to strengthen regional aggregation and distribution as discussed in HFUF GIA project 2017
- Research best management practices and design food hub/ regional aggregation systems for Waianae and Waimanalo in the following areas including 1) grower enrollment program, and 2) quality assurance, traceability, and transparency program
- Implement grower enrollment program and quality and safety assurance program for two regional centers
- Assist to find suitable small farmers to enroll in two regional centers
- Collect data relevant to the project outlined in the HFUF GIA 2017 application
- Assist HFUF and the two regional center with grant writing for the continuation of these programs

Minimum Qualifications

- M.A., M.S., or Ph.D. in the appropriate subject area. If qualified applicants are not available, those not meeting minimum qualifications may be considered on an exception basis.
- Research experience: experience with designing surveys, collecting data, analyzing, report writing and submission for publications
- Familiarity with local food systems in Hawaii, local food sales, HFUU, HFUF, Oahu HFUU chapters, and regional food hubs in Waimanalo and Waianae; an advocate of small farm viability on the Hawaiian Islands
- Understanding of and work experience with food safety including food safety regulations in Hawaii, organic certifications, and basic liability

Desirable Qualifications

- A record of small farm advocacy and research in Hawaii
- Experience with Hawaii Farmers Union United

- Grant writing, report writing, and academic research experience in relevant areas
- Experience with farm-to-table food safety and distribution systems in Hawaii
- Well acquainted with farmers and small growers in Waimanalo and Waianae
- Work well independently, is self-driven but also a team-player

BUDGET REQUEST BY SOURCE OF FUNDS

Period: July 1, 2017 to June 30, 2018

Applicant: Hawaii Farmers Union 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	40,000			
2. Payroll Taxes & Assessments				
3. Fringe Benefits	11,888			
TOTAL PERSONNEL COST	51,888			
B. OTHER CURRENT EXPENSES				
1. Airfare, Inter-Island	0			
2. Insurance	1,200			
3. Lease/Rental of Equipment				
4. Lease/Rental of Space				
5. Staff Training				
6. Supplies	500			
7. Telecommunication	1,500			
8. Utilities				
9. Bookkeeping/Accounting	4,000			
10. Evaluation/Reporting	3,188			
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
TOTAL OTHER CURRENT EXPENSES	10,388			
C. EQUIPMENT PURCHASES				
D. MOTOR VEHICLE PURCHASES	30,000			
E. CAPITAL				
TOTAL (A+B+C+D+E)	92,276			
SOURCES OF FUNDING		Budget Prepared By:		
(a) Total State Funds Requested	92,276	Simon Russell, President 808 269-2162		
(b) Total Federal Funds Requested		Name (Please type or print) Phone		
(c) Total County Funds Requested		1-19-17		
(d) Total Private/Other Funds Requested		Signature of Authorized Official Date		
TOTAL BUDGET	92,276	Simon Russell, President		
		Name and Title (Please type or print)		

BUDGET JUSTIFICATION - PERSONNEL SALARIES AND WAGES

Period: July 1, 2017 to June 30, 2018

Applicant: _Hawaii Farmers Union Foundation_____

POSITION TITLE	FULL TIME EQUIVALENT	ANNUAL SALARY A	% OF TIME ALLOCATED TO GRANT REQUEST B	TOTAL STATE FUNDS REQUESTED (A x B)
Project Coordinator	100	\$40,000.00	100.00%	\$ 40,000.00
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
TOTAL:				40,000.00
JUSTIFICATION/COMMENTS:				

BUDGET JUSTIFICATION - EQUIPMENT AND MOTOR VEHICLES

Period: July 1, 2017 to June 30, 2018

Applicant: Hawaii Farmers Union Foundation

DESCRIPTION EQUIPMENT	NO. OF ITEMS	COST PER ITEM	TOTAL COST	TOTAL BUDGETED
			\$ -	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:				
JUSTIFICATION/COMMENTS:				

DESCRIPTION OF MOTOR VEHICLE	NO. OF VEHICLES	COST PER VEHICLE	TOTAL COST	TOTAL BUDGETED
Small delivery van with refrigeration	1.00	\$30,000.00	\$ 30,000.00	
			\$ -	
			\$ -	
			\$ -	
			\$ -	
TOTAL:	1		\$ 30,000.00	
JUSTIFICATION/COMMENTS:				
The vehicle will allow the food centers to double sales of produce and is critical for success fo food hub in the region.				

BUDGET JUSTIFICATION - CAPITAL PROJECT DETAILS

Period: July 1, 2017 to June 30, 2018

Applicant: Hawaii Farmers Union Foundation__

FUNDING AMOUNT REQUESTED						
TOTAL PROJECT COST	ALL SOURCES OF FUNDS RECEIVED IN PRIOR YEARS		STATE FUNDS REQUESTED	OF FUNDS REQUESTED	FUNDING REQUIRED IN SUCCEEDING YEARS	
	FY: 2015-2016	FY: 2016-2017	FY:2017-2018	FY:2017-2018	FY:2018-2019	FY:2019-2020
PLANS						
LAND ACQUISITION						
DESIGN						
CONSTRUCTION						
EQUIPMENT						
TOTAL:						
JUSTIFICATION/COMMENTS:						

**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.
- 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.

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.

Simon Russell Hawaii Farmers Union Foundation
(Typed Name of Individual or Organization)



(Signature)

1-18-17

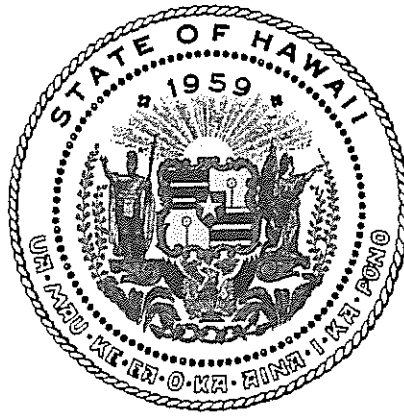
(Date)

Simon Russell

(Typed Name)

President

(Title)



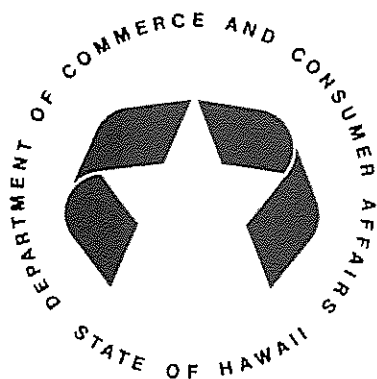
Department of Commerce and Consumer Affairs

CERTIFICATE OF GOOD STANDING

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

HAWAII FARMERS UNION FOUNDATION

was incorporated under the laws of Hawaii on 11/18/2015 ; 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, 2017

Director of Commerce and Consumer Affairs

Saleh Azizi Fardkhales

86-323 Maililili Rd., Waianae HI 96972 808.383.5224, azizi@hawaii.edu

HIGHER EDUCATION/ SUSTAINABILITY/ LOCAL FOOD SYSTEMS
EDUCATOR/ FARMER/ CHEF/ SCHOLAR/ VISIONARY/ PLANNER/ COMMUNICATOR
FARM-TO-TABLE/ SMALL BUSINESS DEVELOPMENT/ FOOD & POWER HAWAII

EDUCATION

- Aug 2010- current **All But Dissertation (ABD) September, 2014**
PhD Candidate in the Department of Urban and Regional Planning
University of Hawaii at Manoa, Honolulu: USA
- Sep 2008- May 2010 **MA in Global Leadership and Sustainable Development-**
Hawaii Pacific University, Honolulu: USA
- Sep 2004 – Jun 2008 **BS in Business Administration**
University of Lincoln; UK (Y1) University of South Australia (Y2); Hawaii
Pacific University (Y3 & Y4)
- Sep 1999- Jun 2002 High-school Diploma: degree in Socioeconomics at
Kungsgardskolan; Norrkoping, Sweden

SELECTED WORK EXPERIENCE

- Nov 2016- current, (part-time) Chef,**
Kahumana Organic Farm & Cafe, Waianae, Hawaii
Cooking 40 meals, three times a day, 2 days per week with farm grown vegetables and eggs including vegan, vegetarian and gluten-free diets
- May 2015- current Social Worker with focus on organic food & agriculture**
Kahumana Organic Farm & Cafe, Waianae, Hawaii
Responsible for vocational and training of individuals with developmental and intellectual disabilities in regards to producing, preparing, cooking & related life skills
- Sep 2013- Apr 2015 Cheese maker; Food Safety Coordinator,**
Naked Cow Dairy, Waianae, Hawaii
Responsible for quality and safety of artisan cheese making at Naked Cow Dairy.
Overseeing food safety protocols and procedures including Hazard Analysis and Critical Control Point (HACCP) for dairy products and value-added marketing
- Jan 2012 - May 2013 Adjunct Faculty,**
Hawaii Pacific University, Honolulu: US
Teaching of a graduate seminar in Global Leadership Sustainable Development (GLSD) program course GLSD6340 Environmental History of the Modern World (3 semesters). Ref: Arthur Whatley (awhatley@hpu.edu) 808 228 4314
- Aug 2011- Dec 2011 Research & Teaching Assistant,**
Dept. of Urban Planning at UH Manoa & National Oceanic and Atmospheric Admin (NOAA)
Help design and developed a six credit graduate planning practicum class in village level planning for capacity building and disaster resilience in American Samoa. Major outcomes included a village manual with self-preparation tools for disaster planning, GIS maps on various hazards related features, and weeks of field interviews with chiefs and national government representatives in A Samoa.
- August 2010- May 2011 Research Assistant,**
UH Manoa, Department of Urban and Regional Planning, HI
Title: Identification of Ancient and Historic Trails in the Ala Kahakai Corridor for the National Park Service on Big Island of Hawaii. Task included abstracting in Hawaii State archives, data collection, creating GIS data, maps and layouts, Hawaiian land grants, and report writing. PI Luciano Minerbi: luciano@hawaii.edu

SELECTED WORK EXPERIENCE cont.

Jan 2011- May 2011

Research Assistant, UH Manoa, Department of Urban and Regional Planning, HI

Title: Land Development Process Monitoring & Trail Management Planning for the National Park Service on Big Island of Hawaii. Task included creating flowchart of permitting processes (including NEPA, USACE, ESA, and Hawaii Dept of Health Permits), data collection, database creation etc. PI Luciano Minerbi:
luciano@hawaii.edu

Aug 2008 - Feb 2009 Research Assistant

United Nations Food and Agricultural Organization (UN FAO),

Food systems, Agricultural Management, Marketing, and Finance Service (AGSF), Rome, Italy & UN FAO Sierra Leone Office in Freetown. Reference:

Kevin.gallagher@fao.org

Developed a study on food security, rural & agricultural finance, and contemporary research questions for small-medium enterprise (SME) access to finance, with Maria Pagura, Calvin Miller, Ake Olofsson, and Carlos Da Silva.

Collaborated with Kevin Gallagher and Prince Kamara of the Ministry of Agriculture, Forestry, and Food Security (MAFFS) to develop the country's National Sustainable Agricultural Development Plan (NSADP)

Pursued independent research in rural villages on economic activities, including :

1) Cacao Sector, Fair trade Cacao and Micro-Loans, 2) Financial Institution

Outreach to Agribusiness Survey 3) Tropical Deforestation and Compensated Reductions; 4) of Agribusiness Access to Finance Survey

CURRENT ACADEMIC PUBLICATIONS

- Azizi, S. and Mostafanezhad, M (2015) The Phenomenology of World Wide Opportunities on Organic Farms (WWOOF) in Hawai'i: Farm Host Perspectives. in Daspher, K. (ed.) Rural Tourism: An International Perspective. Cambridge Press
- Mostafanezhad, M., Suryanata, K., Azizi, S., & Milne, N. (2015). "Will Weed for Food": The political economy of organic farm volunteering in Hawai 'i. *Geoforum*, 65, 125-133.
- Mostafanezhad, M., Azizi, S., & Johansen, K. (2016). Valuing organic farm volunteer tourists in Hawai'i: farm host perspectives. *Current Issues in Tourism*, 19(6), 613-617.
- Mostafanezhad, M., Suryanata, K., Azizi, S., & Milne, N. (2016). Labor of Meaning, Labor of Need: Organic Farm Volunteering in Hawaii. 185-202 in Hirata Kimura, A., and Suryanata, K., *Food and Power in Hawaii: Visions of Food Democracy*: University of Hawaii Press: Honolulu, USA.

RELEVANT FEDERAL REPORT WRITING

- Dec, 2011. Capacity building for community resilience in Leone Village, American Samoa: providing planning tools for building social, environmental and structural resiliency at the village level. Minerbi, L., Pradhan, P., Foley., and Azizi, S.; University of Hawaii at Manoa. Department of Urban and Regional Planning.; United States. National Oceanic and Atmospheric Administration.
- Apr, 2011. Land Development Process Monitoring & Trail Management Planning for the National Park Service, Ala Kahakai National Historic Trail. Minerbi, L., Azizi, S., Bolduc, S., Budge, J., Chang, D.; University of Hawaii at Manoa. Department of Urban and Regional Planning.; United States. US Department of the interior
- Dec, 2010. Identification of Ancient and Historic Trails in the ALKA Corridor in Kohala, Kona, and Ka'u, Island of Hawai'i. National Park Service, UH DURP final report. Minerbi, L., Azizi, S., Bolduc, S., Budge, J., Chillingworth, M., Chlebnikow, M., and Manuel, K.; University of Hawaii at Manoa. Department of Urban and Regional Planning.; United States. US Department of the interior

RELEVANT GRANTS & AWARDS

2015 Received \$15,000 for study of local farm enterprising from Gälöstitfelsen, Stockholm Sweden
2014 All but Dissertation (ABD) Certificate from UH at Manoa Dept. Urban & Regional Planning
2012 Received \$10,000 as the PI of UH Manoa student farm expansion from Graduate Student Organization
2012 Received \$2,000 for Food Systems study in Kerala from Graduate Student Organization: UH Manoa
2010 Graduated with distinction from Hawaii Pacific University MA in Sustainable Development
2009 Received \$5,000 for Rural field studies- Swedish International Development Cooperation Agency (SIDA)
2008- 2010 Received \$25,000 tuition waiver by Hawaii Pacific University International Student Scholarship
2008 Graduated Summa Cum Laude (GPA 3.98) from Hawaii Pacific University BS in Business Admin
2002 Received \$500 by Kungsgårdsgymnasiet, Accomplished Student

STUDY ABROAD EXPERIENCE

2008- 3 months, Freetown: Sierra Leone. UN Food and Agriculture Practicum
2008- 3 months, Rome: Italy. UN Food and Agriculture Practicum
2008- 2 months, South Africa. Hawaii Pacific University Practicum
2006- 4 years, Honolulu: USA. Hawaii Pacific University
2005- 1 year, Adelaide: Australia University of South Australia
2004- 1 year, Lincoln, United Kingdom. University of Lincoln

Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788

JAN-15-2017



Letter of Support for HFUF project "Strengthening food hub projects in Waimanalo and Wai'anae"

Friends with Farms is a cooperative of small farmers sharing our resources to provide wholesome food, grown with principles of aloha 'āina, for the people of Hawai'i, while empowering ourselves to build and sustain a prosperous and equitable agricultural community. We were founded in 2015 by a group of Waimanalo small farmers and graduates of the GoFarm Hawaii farmer incubator program for the purpose of cooperating to provide marketing and aggregation services that we all needed but were unable to effectively perform independently.

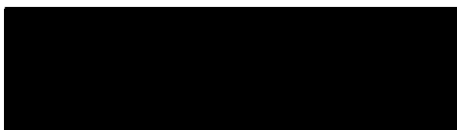
Here in Waimanalo it seems that the conditions are right for helping small farmers to become more viable financially and for showing that the small farm model can and does work here in Hawaii. A major milestone in this regard was our being awarded a \$250,000 grant from the US Department of Agriculture for the period of OCT-2016 to SEP-2019 in their Farmers' Market Promotion Program. The grant will help us to aggregate and sell the products of small farmers at farmers' markets and via a Community Supported Agriculture (CSA) online platform that we are preparing to launch within the coming months. Our goal is to acquire 200 regular paying CSA subscribers during 2017.

While we are making the most of this valuable financial support from the USDA, most of it is earmarked for marketing and direct sales efforts. A crucial missing piece of the puzzle for small farmers is wholesale distribution. Unlike large distributors or large farms, we don't have the resources to invest in ownership of cold storage, delivery trucks or other infrastructure. In addition, small farmers do not necessarily have the time or financial resources to easily ensure that they are fully compliant with food safety regulations such as those of the Food Safety Modernization Act (FSMA).

For the above reasons, we are fully in favor of establishing food hubs in Waimanalo and Wai'anae. The proposed refrigerated delivery truck and personnel would make a big difference for Friends with Farms, as would putting in place a system to collect, store and deliver produce, as well as manage the entire process. We also support efforts to help farmers with food safety certification and traceability.

While we are primarily based in Waimanalo, our interest in membership on the North Shore and Ko'olau Loa is expanding. We believe that if we were able to receive further support from our Waimanalo food hub, we could redirect some of our resources to help along establishment of a third hub on the North Shore. A collaboration of this nature with your support will move O'ahu closer to a thriving and efficient island wide local food system that supports and is efficiently supplied by small and medium scale farming. We strongly support this project and Friends with Farms will collaborate with the HFUF project coordinator to ensure the social outcomes of growing and selling more local food. Please contact us if you have further questions or concerns.

Kind Regards



Kelvin La'amea Lunn, President
Friends with Farms Agricultural Cooperative
friendswithfarms@gmail.com
(808) 341-1157



Paul Arinaga, Manager
Friends with Farms Agricultural
Cooperative paularinaga.com
(808) 549-3945





Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788

1/17/2017

SUBJECT: Letter of Support for HFUF project Strengthening Regional Food Centers on Oahu

Aloha,

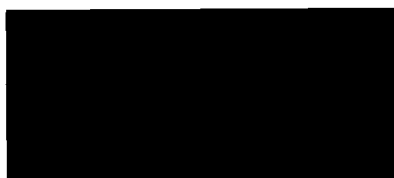
We're writing this letter in support of the Hawai'i Farmers Union Foundation and their request for Grants-In-Aid 2017. We have read the proposal for strengthening existing two efforts of regional aggregation and marketing centers in Waimanalo and Wai'anae.

Our chapter of the Hawai'i Farmers Union United (HFUU), the Wai'anae Coast Chapter, was formed in Aug 2017. Since then we have gathered small farmers and the community of advocates every first Monday of the month. As a chapter, we are growing quickly and have a goal of doubling our membership by the end of 2017. We welcome this opportunity to be part of the Kahumana Farm Hub and to build closer ties with HFUU Waimanalo and Friends with Farms for the marketing benefit of small farmers and backyard growers.

We have taken part of the roles and responsibilities and understand 1) who will do what, 2) when it will be done and 3) what our responsibilities are. We strongly support this project and it is our hope that you do too. Please do not hesitate to contact us for more details or any other inquiries.

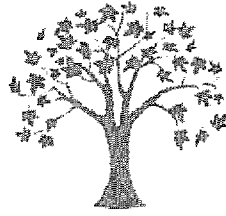


Christian Zuckerman
President



Saleh Azizi
Vice President

Hawai'i Farmers Union United- Wai'anae Coast Chapter
86-660 Luualualei Homestead Road, Wai'anae, HI 96792
web: <https://hfuuhi.org/chapters/oahu-wai'anae-chapter/>
facebook: <https://www.facebook.com/HFUUWai'anaechapter/>



Kahumana

Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788

1/15/2017

Letter of Support for HFUF project Strengthening food hub projects in Waimanalo and Wai'anae

These are exciting times for small farmers in Wai'anae. Kahumana Farm Hub (KFH) was initiated in Jan, 2017 to address a challenge that small farmers have with marketing while formalizing the supply of local food to Oahu's stores and farmers markets. This project was awarded \$40,000 by the US Department of Agriculture specialty block program to help small farmers and backyard growers with marketing efforts. Last week, Kahumana hired a Farm Hub manager who is responsible for seeking out farm hub participants and source their produce and product. However, we have a need for a larger-scale refrigerated distribution system which is why the proposed delivery car and personnel of HFUF would make a big difference for KFH.

I have read the proposal regarding strengthening existing two regional food hub efforts. I have participated in the designing phase of this project and we have engaged in several meetings to review and re-frame this proposal for best fit with currently supported projects by the USDA (ensuring alignment with Friends with Farms in Waimanalo).

Currently we are requesting upfront financing for our food hub related activities but we do have a long-term sustainability plan. We calculate that by 2020, our farm hub will be able to pay for distribution staff, equipment, and vehicles through the extra revenue generated in sales. I strongly support this project and Kahumana Farm Hub will collaborate with HFUF project coordinator to ensure the social outcomes of growing and selling more local food. Please contact me for further questions or concerns.

Kind Regards



Christian Zuckerman

Farm Manager

Kahumana Organic Farm, Kahumana Farm Hub (KFH)
86-660 Luaiualei Homestead Road, Wai'anae, HI 96792
kahumanafarm@asi-hawaii.org

Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788

1/15/2017

Letter of Support for HFUF project "Strengthening food hub projects in Waimanalo and Wai'anae"

As a small farmer and member of the Friends with Farms Agricultural Cooperative, I fully support this project. I am dedicated to producing wholesome food locally without resorting to the use of synthetic chemical pesticides, herbicides or other harmful substances, and I practice growing techniques that help to regenerate and improve the soil. I believe that this is the agricultural model that best suits Hawaii's unique situation and would best protect our greatest asset: our natural environment.

Although many of us small farmers already produce surprisingly large quantities of food on very little land, with a little help we could undoubtedly produce (and sell) more. It is difficult being a small farmer in Hawai'i but improved access to land, sales and marketing expertise, and distribution infrastructure, as well as support in complying with food safety regulations, would certainly help our farm businesses to grow and thrive economically.

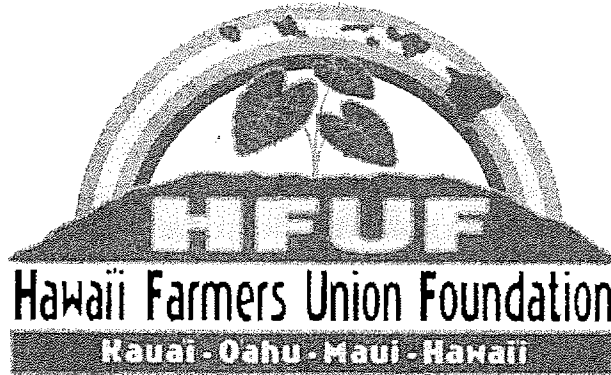
We, small farmers, truly appreciate the support that the State of Hawaii has provided us thus far and would be delighted if the State would now fund this worthwhile food hub project.

Kind Regards,



Latasha Wilson, Owner of Little Tomato Farms

Little Tomato Farms



Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96768
(808) 269 8162

1/17/2017

SUBJECT: Letter of Support Strengthening Regional Food Centers on Oahu

Aloha Kaua,

We're writing this letter in support of our request for Grants-In-Aid 2017. We have worked with the Oahu Chapters of the Hawaii Farmers Union United and the broader farming community to create a proposal for strengthening existing two efforts of regional aggregation and marketing centers in Waimanalo and Wai'anae.

Hawaii Farmers Union Foundation is a Hawaii Based Non-Profit Founded in November, 2015. Since then we have received our letter of determination from the IRS and are now bona-fide 501c3.

HFUF is e-Procurement compliant with the State of Hawaii and the County of Maui, and have received \$116,000 in grants during FY '16. We have received a grant from the Hawaii Department of Agriculture (\$98K), the County of Maui (\$75K) Kamehameha Schools (\$149K) , the Atherton Foundation (\$25K) and others throughout the last fiscal year. We are proud to write that we feel fully prepared to work with the State of Hawaii to promote food security, and we feel that the funds we are requesting will do exactly that.

We strongly support this project and it is our hope that you do too. Please do not hesitate to contact us for more details or any other inquiries.

Respectfully Submitted,


Simon Russell
President

1-17-17
Date

Hawai'i Farmers Union Foundation
PO Box 443, Makawao, HI 96768

Web: <http://www.hfuf.org>
(808) 269 8162

Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788

1/15/2017

Letter of Support for HFUF project "Strengthening food hub projects in Waimanalo and Wai'anae"

As a small farmer and member of the Friends with Farms Agricultural Cooperative, I fully support this project. I am dedicated to producing wholesome food locally without resorting to the use of synthetic chemical pesticides, herbicides or other harmful substances, and I practice growing techniques that help to regenerate and improve the soil. I believe that this is the agricultural model that best suits Hawaii's unique situation and would best protect our greatest asset: our natural environment.

Although many of us small farmers already produce surprisingly large quantities of food on very little land, with a little help we could undoubtedly produce (and sell) more. It is difficult being a small farmer in Hawai'i but improved access to land, sales and marketing expertise, and distribution infrastructure, as well as support in complying with food safety regulations, would certainly help our farm businesses to grow and thrive economically.

In addition to providing access to new markets, new channels of distribution would also help to put nutritious food in the hands of those who need it most. Too many local residents can't afford expensive imported organic food, and enterprising farmers would be more than happy to find an outlet for discounted "less than perfect" items.

More local food sales also means more local food jobs, and those are jobs where salaries stay in the state instead of flying offshore to never be seen again. By getting rid of the bottlenecks we can make our islands healthier, stronger, and more resilient.

We, small farmers, truly appreciate the support that the State of Hawaii has provided us thus far and would be delighted if the State would now fund this worthwhile food hub project.

Kind Regards

Jacob and Meja Holcomb
Back To The Farm LLC





Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788

1/15/2017

Letter of Support for HFUF project "Strengthening food hub projects in Waimanalo and Wai'anae"

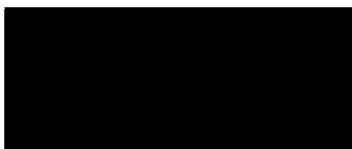
Farm Link Hawai'i (FLH) is an online platform that was started in 2015 as a way to connect local food buyers with local food suppliers. The platform helps farmers and buyers to find each other, share information and conclude transactions. FLH has grown steadily and currently hosts transactions from Foodland Produce as well as top local restaurants and caterers such as Buzz's Steakhouse, Juicy Brew and Fête. These and other buyers are supplied by some of the 83 farms that have registered with FLH. In fact, FLH's leading suppliers are Kahumana Organic Farms in Waianae and several members of the Friends with Farms Agricultural Cooperative. The Farm Link Hawai'i platform is a convenient and efficient way for small farmers to develop an additional marketing channel and reach wholesale buyers.

Farm Link Hawai'i is poised for growth in 2017. We plan to grow revenue by, among other actions, stepping up the frequency of deliveries to two deliveries per week. Several major buyers have indicated a willingness to purchase substantially more via FLH should we do so. In fact, Foodland has stated that they would order "double the volume or more" if we added another delivery day. Our financial models show that increasing to a two-day per week delivery system would significantly boost our revenue and the volume of food transacted via the platform. As a growing business, however, we lack the working capital to fund an investment in a refrigerated delivery truck.

For the above reason, we are fully in favor of establishing food hubs in Waimanalo and Waianae. The proposed refrigerated delivery truck and personnel would make a big difference for Farm Link Hawai'i. It would help us to increase the volume of food bought and sold via the platform. The result would be increased revenue for farmers and FLH, and access to more fresh local food for buyers and consumers.

We currently work with growers in all the major agricultural regions on O'ahu: Waianae, Waimanalo and the North Shore, and we believe our participation in this project could help the two food hubs to work together smoothly on an island-wide basis. We strongly support this project and Farm Link Hawai'i will collaborate with the HFUF project coordinator to ensure that the social outcomes of growing and selling more local food are achieved. Please contact me if you have further questions or concerns.

Kind Regards



Rob Barreca, Director, Farm Link Hawai'i
www.farmlinkhawaii.com; rob@farmlinkhawaii.com; (808) 224-1905



Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788

1/17/2017

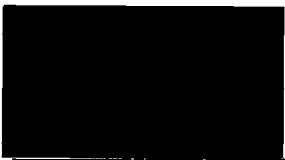
SUBJECT: Letter of Support for HFUF project Strengthening Regional Food Centers on Oahu

Aloha,

We're writing this letter in support of the Hawai'i Farmers Union Foundation and their request for Grants-In-Aid 2017. We have read the proposal for strengthening existing two efforts of regional aggregation and marketing centers in Waimanalo and Wai'anae.

Our new chapter of the Hawai'i Farmers Union United (HFUU), the Waimanalo Chapter, was formed in December 2016. We are off to a great start this year and feel very supported by the community. We had a great turn out at our first meeting this month (January), with small farmers, chefs, educators, legislators, and other community advocates present. We highly support the work being done in Wai'anae by the Wai'anae HFUU Chapter and Kahumana Organic Farm, and we look forward to strengthening our connection.

We have taken part of the roles and responsibilities and understand 1) who will do what, 2) when it will be done and 3) what our responsibilities are. We strongly support this project and it is our hope that you do too. Please do not hesitate to contact us for more details or any other inquiries.



Sean Anderson
President



Paul Izak ✓
Vice President

Hawai'i Farmers Union United- Waimanalo Chapter
41-756 Mahailua St, Waimanalo, HI 96795
web: <https://hfuuhi.org/>

Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788



1/17/2017

Letter of Support for HFUF project "Strengthening food hub projects in Waimanalo and Wai'anae"

As a small farmer and member of the Friends with Farms Agricultural Cooperative, I fully support this project. I am dedicated to producing wholesome food locally without resorting to the use of synthetic chemical pesticides, herbicides or other harmful substances, and I practice growing techniques that help to regenerate and improve the soil. I believe that this is the agricultural model that best suits Hawaii's unique situation and would best protect our greatest asset: our natural environment.

Although many of us small farmers already produce surprisingly large quantities of food on very little land, with a little help we could undoubtedly produce (and sell) more. It is difficult being a small farmer in Hawai'i but improved access to land, sales and marketing expertise, and distribution infrastructure, as well as support in complying with food safety regulations, would certainly help our farm businesses to grow and thrive economically.

We, small farmers, truly appreciate the support that the State of Hawaii has provided us thus far and would be delighted if the State would now fund this worthwhile food hub project.

Kind Regards

[Redacted Signature]

Kelvin La'amea Lunn,
True Story Farm, LLC

Vida Farms



Quality, Patience & Fortitude
Waimanalo, Hawaii

January 18, 2017

Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788

Letter of Support for HFUF project "Strengthening food hub projects in Waimanalo and Wai'anae"

As a small farmer and member of the Friends with Farms Agricultural Cooperative, I fully support this project. I am dedicated to producing wholesome food locally without resorting to the use of synthetic chemical pesticides, herbicides or other harmful substances, and I practice growing techniques that help to regenerate and improve the soil. I believe that this is the agricultural model that best suits Hawaii's unique situation and would best protect our greatest asset: our natural environment.

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Kind Regards

[Redacted Signature]
Priscilla Carbajal, Farmer
Vida Farms, LLC

41-659 F Kumuhau Place
Waimanalo, Hawaii 96795
Email: vidafarms@gmail.com



Mr. Simon Russell 1/17/2017
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788

1/17/2017

SUBJECT: Letter of Support for HFUF project Strengthening Regional Food Centers on Oahu

Aloha,

We're writing this letter in support of the Hawai'i Farmers Union Foundation and their request for Grants-In-Aid 2017. We are in agreement with their proposal for strengthening the existing two efforts of regional aggregation and marketing centers in both Waimanalo and Wai'anae.

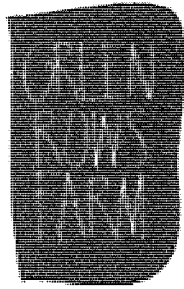
Yogarden was founded in 2011 to bring community together to share in the awareness of growing our own food and living a regenerative and healthy lifestyle. Our small farming operations are based in Waimanalo. We are currently board members/farmers of the Friends with Farm Co-op Waimanalo and board members for the HFUU Waimanalo chapter (Paul Izak is vice-President of this Chapter). We see an important need for food hubs in our communities for the benefit of small farmers and back yard growers. We also recognize the importance of strengthening relations with other farms and look forward to seeing the growth of the Wai'anae chapter of HFUU and a Kahumana Farm Hub.

We are grateful to see such activated community members working together to create a more cohesive framework to getting fresh produce to our local community members. A coordinator position and refrigerated form of transportation would greatly benefit and strengthen the current production and out reach from our local farm communities. We are 100% on board and excited to support this project, and we hope that you will support it as well. Please feel free to contact us for further details of our support of this Grant in Aid.


Paul Izak - Founder


Kelly Stern - Co-Founder

Yogarden
yogardenhawaii@gmail.com
www.yogardenhawaii.com
41-1009 Kakaina St. Waimanalo, HI



Mr. Simon Russell
President
Hawaii Farmers Union Foundation
P.O. Box 443
Makawao, HI 96788

1/17/2017


SUBJECT: Letter of Support for HFUF project Strengthening Regional Food Centers on Oahu

Aloha,

I'm writing this letter in support of the Hawai'i Farmers Union Foundation and their request for Grants-In-Aid 2017. I have read the proposal for strengthening existing two efforts of regional aggregation and marketing centers in Waimanalo and Wai'anae.

Green Rows Farm was founded in 2012 with the intention of growing fresh produce for our local community. Since our foundation we have hosted numerous educational workshops and farm tours for organizations and school groups. We are founding members of the Friends With Farms Cooperative and have been involved with the Hawai'i Farmers Union since 2012. I, Sean Anderson, am now the President of the newly formed Waimanalo Chapter.

I am continually inspired by the growing number of people engaging in this food movement. More people are looking at farming as a viable career opportunity. Demand for fresh, clean, local food is increasing constantly. With the help of this Grant in Aid, I believe the efforts of the Hawai'i Farmers Union United and Friends With Farms Cooperative will be significantly strengthened. I encourage you to support these efforts. Please contact me if you have any questions.



Sean Anderson
Founder

Green Rows Farm
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web: www.thegreenrows.com
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