

## Hawaii Emergency Amateur Radio Digital Network (HEARDn) Summary

**Mission:** To provide emergency broadcasting via digital radio airwaves.

**Category:** Community Support Services

**Contact:** Joseph Speroni, President & CEO

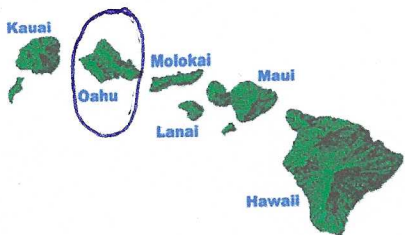
**Address:** 2871 Kapiolani Boulevard, #502, Honolulu, HI 96826

**Grant History:** N/A

<b>2023 Request:</b>	<b>\$20,639 for solar battery conversion</b>
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**Notes:**

- HEARDn consists of eight amateur radio stations offering daily and emergency communication services to Oahu, other islands, and boaters.
- Internet, cell, and landline service is not reliable, especially during natural disasters.
- Radio frequencies is a more reliable source of communication.
- Communicates with government, emergency responders, and citizens to provide messages, mapping, data files, etc. necessary for safety and evacuations.
- Mostly self-funded ham radio operation with limited resources.



**HAWAII EMERGENCY AMATEUR  
RADIO DIGITAL NETWORK, INC.**

**(HEARDn, Inc.)**

**GRANT REQUEST FOR**

**SOLAR IMPROVEMENT PROJECT FOR THE OAHU  
DIGITAL RADIO COMMUNICATIONS NETWORK**

**TO THE**

**LAWERENCE H. DORCY HAWAIIAN  
FOUNDATION**

**JANUARY 18<sup>TH</sup>, 2023**

January 18, 2023

Joseph Speroni  
President  
Hawaii Emergency Radio Digital Network (HEARDn), Inc.  
2871 Kapiolani Blvd.  
Apt. #502  
Honolulu, HI 96826

Tammy Davis Cownie, JD, MACL  
Administrator  
Laurence H. Dorcy Hawaiian Foundation  
81 East Seventh Street, Suite 125  
St. Paul, MN 55101

SUBJECT: Grant Application from HEARDn, Inc.

Aloha Ms. Cownie:

We are requesting a grant of **\$20,638.47** which would allow us to upgrade our Oahu WinLink gateways, a network of both VHF and HF Amateur Radio email stations to be independent of commercial electric power. This will allow the Oahu gateways to be more resilient for Amateur Radio emergency communications in the event of major natural disasters that are frequent visitors to Hawaii, i.e., earthquakes, hurricanes, volcanic eruptions, etc. Also, it will help serve approximately 1,016,000 Oahu residents in a disaster. And provide a potential lifeline to neighboring islands with approximately 1,450,000 state of Hawaii residents.

If the grant application is approved, HEARDn, Inc. will be able to complete the solar/battery conversion in 2023 and maintain **these WinLink gateways** even in areas when electric power is interrupted. An important side benefit will be reduced power consumption at each gateway, a not insignificant cost of operating the network 24x7x365. Hawaii has the highest electricity cost in the nation.

There are **eight stations**, two HF/VARA and six VARA VHF, which we have targeted for solar and battery upgrades.

The Dorcy Hawaiian Foundation funds will close gaps in our network which we have planned, assuming available funding, to fill in future years. During an emergency, the **eight Oahu CERT communities** may be cut off from contact to county and VOAD organizations. Using Amateur Radio WinLink will be a key means of communication for those communities, in a major natural disaster.

HEARDn, Inc. supports training and everyday use of digital radio communications modes available even when disasters interrupt landline telephone, cell phone and Internet services. In a disaster with limited electricity and networks dependency, **digital Amateur Radio may be the only way to communicate with our served communities.** This project will also be a small contribution to the 2045 Hawaii Clean Energy Initiative.

Amateur Radio can transmit voice, text, images, and data messages across distances ranging from within a community and outside a community to a county emergency operations center and to the U.S. Mainland as well as around the world.

Hurricane Iniki struck Kauai on September 11, 1992, with a category 4 hurricane. Ham radio operators were able to help the mayor of Kauai with the governor to get emergency relief to the devastated island when other normal communications failed.

With innovative technology, as with WinLink, we were able to send text messages, pictures, emails, data files, and GPS mapping coordinates in 2022, while completing four statewide communications drills. And we did not have to use the Internet to do so. **We can forward messages using radio frequencies.** We find using WinLink digital gives us a faster and more accurate means of transmitting emergency communications to the City and County of Honolulu, the Department of Emergency Management emergency operations center, and to and from the various Amateur Radio stations using WinLink.

The primary point of contact will be,

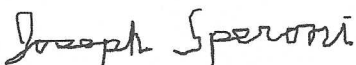
Michael C Miller  
Vice President  
Hawaii Emergency Radio Digital Network (HEARDn), Inc.  
44-096 Keaalau Place  
Kaneohe, HI 96744

Attached is a list of equipment and cost. Also attached is the IRS tax exemption 501(c)(3) determination letter and IRS Form 990s.

**HEARDn, Inc.'s primary funding source has been small donations from Hawaii Amateurs.**

Thank you for considering the HEARDn, Inc. application.

Sincerely,



Joseph Speroni (AHOA)  
President, HEARDn, Inc.



## ATTACHMENTS

- (1) HEARDn Solar Power Project BOM
- (2) 501c3 certificate
- (3) Hawaii State Annual Charity Transmittal Form
- (4) HEARDn Oahu VHF Gateways

## REFERENCES

- (1) <http://HEARDn.org>
- (2) <http://Winlink.org>

# **HEARDn, Inc. Grant Application** **List of Equipment and Prices**

Item	Price	#	Total
Epic PWRgate #58404-1673	\$189.95	8	\$1,519.60
Zip Cord, Black/Red 10 AWG, 100 Feet - #58555-1105	\$132.95	5	\$664.75
100 Pair Powerpole® Connector Pack - 45A contacts #5825	\$124.95	5	\$374.85
Powerpole® Retention Clips - 12 Pack -#58257-1092	\$8.95	5	\$44.75
RIGrunner 4005i with WiFi #58312-1354	\$329.95	3	\$989.85
RIGrunner 4006U #58320-1749	\$109.95	5	\$549.75
12V, 100Ah LFP Battery (ABS, BLF-12100AS)	\$952.49	6	\$5,714.94
12V, 300Ah LFP Battery (ABS, BLF-12300AS)	\$2,739.99	2	\$5,479.98
Variety adapters specifically for Bioenno Power devices	\$50.00	8	\$400.00
9BB Cell 180 Watts Mono Solar Panel	\$199.00	16	\$3,184.00
Solar Crimper Tool Kit	\$32.00	5	\$160.00
10 Feet 10AWG Solar Extension Cable with Female and M:	\$24.00	8	\$192.00
<u>Solar Connectors Y Branch Parallel Adapter Cable</u>	\$8.00	8	\$64.00
			<b>\$19,338.47</b>
Shipping and Taxes (Approximate)			<b>\$1,300.00</b>
<b>Total</b>			<b>\$20,638.47</b>

Work to be done by volunteers to allow learning and development on next generation.

**tammy@dorcyfdn.org**

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**From:** Joseph Speroni <joe@speroni.com>  
**Sent:** Tuesday, January 24, 2023 2:35 PM  
**To:** tammy@dorcyfdn.org  
**Cc:** 'Michael KH6ML'; 'Clement Jung'  
**Subject:** HEARDn Funding Request to Dorsy Foundation  
**Attachments:** HEARDn 2023-01-24.pdf

Aloha Tammy,

Attached please find our 2023 funding request for a project to make our Oahu Amateur Radio messaging network operate under solar power. The intent is to make this valuable network resilient for use during major emergencies when other commercial communications networks and electric power is unavailable.

The opportunity for funding gave us limited time to insure we had the resources and manpower to complete it in 2023. If you require more information or have questions about the submittal, please advise us and we will make every effort to provide it in a timely fashion.

Thank you for allowing HEARDn the opportunity to implement this project. When complete, it will provide a backup communications network serving our community in the event of a major emergency. Amateur Radio has a long history of such service. Today we are enhancing our capability to support higher volume accurate digital messages utilizing 21<sup>st</sup> century technology.

Sincerely,

Joseph Speroni  
CEO and President HEARDn Inc.  
Cell: 808-332-0000

## Support

HEARDn supports training and everyday use of digital radio communications modes available even when disasters interrupt telephone, cell phone and email services. Hawaii has many communities with no or fragile access to normal communication services. As an island state, it also has a large boating population served with HF communication in the HEARDn network. Donations will help us build out and continue to support our network.

Federal EIN #81-2446908

Hawaii State Tax ID GE-047-542-4768-01

Donate



[IRS information on HEARDn](#)

[Hawaii Business Registration information on HEARDn](#)

[Hawaii Attorney General information on HEARDn](#)

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### HEARDN

[\(808\) 332-0000](tel:(808)332-0000)

[info@HEARDn.org](mailto:info@HEARDn.org)

2781 Kapiolani Blvd, Suite 502  
Honolulu, HI 96826-4894

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Website Design Services provided by Meyer Computer, Inc.





STATE OF HAWAII  
DEPARTMENT OF THE ATTORNEY GENERAL  
TAX & CHARITIES DIVISION  
425 QUEEN STREET  
HONOLULU, HAWAII 96813  
808-586-1480

ANNUAL CHARITY TRANSMITTAL FORM

IRS Form 990-N filers and filers not required to file with the IRS

Period Covered: 1/1/2021 to 12/31/2021

Tax Year: 2021 EIN: 81-2446908

1. Organization Name: HAWAII EMERGENCY AMATEUR RADIO DIGITAL NETWORK INC

2a. Organization's Address Line 1: 2781 Kapiolani Blvd

2b. Organization's Address Line 2: Apt 502

2c. Organization's City, State and/or Country & Zip: Honolulu, HI 96826-4894

3. Organization's Phone Number: 808-955-2496

4. Organization's Email Address: Heardn808@gmail.com

5. Has organization or any of its officers, directors, employees or fundraisers:

A. Been enjoined or otherwise prohibited by a government agency/court from soliciting? Yes ☐ No ☒

B. Had its registration denied or revoked? Yes ☐ No ☒

C. Been the subject of a proceeding regarding any solicitation or registration? Yes ☐ No ☒

D. Entered into a voluntary agreement of compliance with any government agency or in a case before a court or administrative agency? Yes ☐ No ☒

If "yes" to 5 A or B or C or D, attach explanation: \_\_\_\_\_

6. Has organization tax exempt status ever been denied, revoked or modified? Yes ☐ No ☒

If yes, attach explanation: \_\_\_\_\_

7. Name, address and telephone number of person authorized to receive service of process (Registered Agent).

(Note: Line 7 is optional, but if you do not identify a registered agent, pursuant to section 467B-16, Hawaii Revised Statutes, the organization is considered to have irrevocably designated the Hawaii AG as its agent for service of process for actions and proceedings relating to chapter 467B)

Name Anthony Austin

Address 911039 Shangrila St, Bld 309

City, State & Zip Kapolei, HI 96707 Telephone 808-372-6390

8. Did the organization borrow from, or make any loans to, any officer, director, trustee, or key employee or were any such loans made in a prior year and still outstanding at the end of the tax year covered by this return? Yes ☐ No ☒

If yes, provide full written explanation and all relevant documents: \_\_\_\_\_

Total outstanding loan amount at end of year: \$ \_\_\_\_\_

# ANNUAL CHARITY TRANSMITTAL FORM

IRS Form 990-N filers and filers not required to file with the IRS

## Revenue

10. Contributions, gifts, grants and similar amounts received .....	\$40,606
11. Program service revenue including government fees and contracts .....	\$0
12. Membership dues and assessments .....	\$0
13. Investment income .....	\$0
14a. Gross amount from sale of assets other than inventory .....	\$0
14b. Less: cost or other basis and sales expenses .....	\$0
14c. Gain or (loss) from sale of assets other than inventory .....	\$0
15. Gaming and fundraising events	
15a. Gross income from gaming .....	\$0
15b. Gross income from fundraising .....	\$0
(not including \$0 of contributions reported on line 10)	
15c. Less: direct expenses from gaming and fundraising events .....	\$0
15d. Net income or (loss) from gaming and fundraising events .....	\$0
16a. Gross sales of inventory, less returns and allowances .....	\$0
16b. Less: cost of goods sold .....	\$0
16c. Gross profit or (loss) from sales of inventory .....	\$0
17. Other income .....	\$0
18. Total revenue .....	\$40,606

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**ANNUAL CHARITY TRANSMITTAL FORM***IRS Form 990-N filers and filers not required to file with the IRS***Expenses**

19. Grants and similar amounts paid .....	\$0
20. Benefits paid to or for members .....	\$0
21. Salaries, other compensation and employee benefits .....	\$0
22. Professional fees and other payments to independent contractors .....	\$314
23. Occupancy, rent, utilities and maintenance .....	\$0
24. Printing, publications, postage and shipping .....	\$0
25. Other expenses .....	\$1,894
26. Total expenses .....	\$2,208
27. Total Program service expenses (included in expenses for lines 19-25) .....	\$2,208

**Net Assets**

28. Excess or deficit for the year .....	\$38,398
29. Net assets or fund balances at beginning of year .....	\$275
30. Other changes in net assets or fund balances .....	\$1,933
31. Net assets or fund balances at end of year .....	\$40,606

**Balance Sheet**

32. Cash, savings and investments .....	\$40,606
33. Land and buildings .....	\$0
34. Other assets .....	\$0
35. Total assets .....	\$40,606
36. Total liabilities .....	\$0
37. Net assets or fund balances (Total assets - Total liabilities) .....	\$40,606

**ANNUAL CHARITY TRANSMITTAL FORM***IRS Form 990-N filers and filers not required to file with the IRS***38. Salaries and Expense Allowance Statement****Five Highest Paid Employees**

<u>Name</u>	<u>Title</u>	<u>Average hours per week</u>	<u>Compensation (W-2)</u>	<u>Expense account and other allowances</u>
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**Officers**

<u>Name</u>	<u>Title</u>	<u>Average hours per week</u>	<u>Compensation (W-2)</u>	<u>Expense account and other allowances</u>
Joseph Speroni	Chairman	5	\$0	\$0
Clement Jung	Vice Chair	5	\$0	\$0
Anthony Austin	Chief Financial Officer	1	\$0	\$0