

COMMUNITY GRANTS PROGRAM APPLICATION

NAME OF ORGANIZATION Nanaimo Amateur Radio Association		GRANT AMOUNT REQUESTED \$3278
MAILING ADDRESS 1415 Wingrove St, Nanaimo		
POSTAL CODE V9S 3LB	CONTACT PERSON Chris Anton	
EMAIL ADDRESS [REDACTED]	TELEPHONE NUMBER [REDACTED]	

PLEASE REVIEW THE COMMUNITY GRANTS CRITERIA OUTLINED ON THE LAST PAGE OF THIS FORM. DOES YOUR ORGANIZATION MEET THE CRITERIA FOR THIS PROGRAM?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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IMPORTANT: If your organization meets the Community Grants criteria, and if you can answer 'yes' to the following four questions, please proceed to complete this application for submission.

Are you a registered non-profit organization in good standing?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Does your organization provide a social enrichment service to the community?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Does the project fill a need in the community?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Does the project promote volunteer participation and citizen involvement?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

Application Submission Requirements

Please provide the following information. Items 1 through 14 are mandatory requirements for consideration of the application. Please attach additional pages with corresponding question numbers if more space is required.

1. Provide information about the programs and services offered to the community by your organization.

The Nanaimo Amateur Radio Association has been active in Nanaimo for almost 70 years. We provide certification and technical training for anyone interested in becoming a licensed amateur radio operator. In addition we provide technical seminars and a variety of operational training events throughout the year.

A large part of the service we provide to the community is to provide a communications infrastructure that will continue to be available in the event of a significant community disaster that would impact other communication services in Nanaimo or across the RDN. We have installed a series of linked radio repeaters that are available to all licensed amateur operators. These operators would then be available to assist local authorities if requested in the case of an emergency.

We also participate in providing communications services for various community events. We have provided the safety communications for the Loyal Nanaimo Bathtub Race for many, many years. This year we fielded a team of 20 operators to support this event.

2. Provide information regarding your organization's revenue generating activities and other sources of income.

The Nanaimo Amateur Radio Association generates revenue from a variety of activities. We generate money in the form of dues from all of our members. While most of our members are holders of an amateur radio certificate issued by Industry Canada there are no restrictions on who can become a member of NARA.

We put on Basic Amateur Radio and Advanced Amateur Radio training courses each year and do charge a nominal fee for this training.

We host an amateur radio swap meet every second year which raises funds through admissions and from the sale of door prize tickets.

Our organization has also received grants from the BC Gaming Branch most years to support our training and communication infrastructure activities.

We also receive some rental income from Natural Resources Canada for hosting their one of their earthquake monitoring stations at our Lost Lake repeater site.

Periodically we have received donations in kind in the form of radio towers, radio antennas and radio equipment from private individuals and commercial suppliers.

3. Does your organization own its own facility? Yes ☐ No ☒

Grant Request Information:

4. Describe the project that this grant is intended to be used for.

This project is to set up a emergency radio repeater facility at the Mount Copley reservoir site in the Regional District of Lantzville. This is intended to be a facility shared by the Coast Emergency Communication Association and the Nanaimo Amateur Radio Association. This facility will become part of a network of 6 radio repeater sites which have been established across Ladysmith, Parksville, Nanaimo and the Regional District of Nanaimo to provide communications for community service and emergency communications.

It is also intended to become part of the Island Trunk System which is a network of 11 linked radio repeater mountain top sites which provide voice and digital communications the entire length of Vancouver Island.

It is also intended to provide for digital radio communications by adding a Winlink node and an APRS node that will be linked with a variety of other digipeaters available at private residences in Nanaimo and across the RDN.

The grant request is specifically to purchase a set of large deep cycle batteries to be able to run the radio equipment completely off grid and powered by a solar panel array.

5. Provide the project start and end date.

Start Date: Mar 2018 - Dec 2020

End Date:

6. Describe the benefit of the project for the residents fo the Regional District.

This site is intended to improve the current coverage of the existing network of 6 linked emergency radio repeaters that currently exist in Ladysmith, Nanaimo, Parksville and the Regional District of Nanaimo.

While there is excellent coverage over much of the RDN there is currently a significant hole in this coverage in the Nanoose area north of Lantzville. The location of this radio repeater site in the Lantzville Foothills will correct this deficiency and provide much better coverage.

In addition most of the sites in this network are linked by direct radio connections which ensures operation of the system in the event of a significant emergency where hydro power is unavailable. The exception is the link going to the repeater site in Parksville which is currently being done using an internet connection. This site will allow this connection to be replaced with a direct radio link to better secure the link.

Longer term the site is also intended to provide a new site for the southern hub of the Island Trunk System which is a linked system of 11 mountain top radio repeaters providing communications the entire length of Vancouver Island.

The other significant benefit of this site is that provides the opportunity to use a large solar array as the primary power supply further ensuring the ability to operate even with the loss of hydro power.

7. How many people does your organization anticipate will attend, benefit or participate in this project?

While there are several hundred radio amateurs in our area, with 55 being members of our organization, the primary benefit of our program goes to the general public with our emergency radio infrastructure in the event of a disaster that prevents normal communications. In our immediate area there are approximately 115,500 residents in Ladysmith, Nanaimo, Parksville and the Regional District of Nanaimo who would benefit in this way.

8. Describe how the project will promote volunteer participation and citizen involvement. Include a description of the types of roles the volunteers will undertake.

The construction of this emergency repeater facility will be primarily done by volunteer labour. Building the radio repeater building, erecting a radio tower, constructing a solar power array, installing electrical equipment, radio equipment, computer equipment, cabling and radio antennas will all be done by volunteers. We are fortunate that among the members of our organization we have volunteers who work professionally as industrial electricians, radio technicians, rock drill mechanics and IT technicians. This has allowed us to install and support a variety of similar radio repeater sites in the Nanaimo area as well as at multiple mountain top radio installations between Chemainus and Port Hardy.

9. Provide details of how the grant funding will be used and a breakdown of expenses.

This grant funding will be used to purchase six high capacity deep cycle batteries to provide the operating power for this radio repeater installation.

6 Surette S-1450 Deep Cycle Wet Lead Acid 2V Solar Battery 1450Ahr -	\$445/ea -	\$2670
5 Battery Interconnects - 00 cabling -	\$25/ea -	\$125
6 Hydro (Water Miser) Battery Caps -	\$22/ea -	\$132
Sales Tax		\$351
	Total	\$3278

10. Provide information regarding revenues and fees that will be charged for the event or program (if applicable).

There are no charges for the use of this radio repeater facility. The facility is available for use by any licensed amateur radio operator either for use for emergency communications, general communications or for use for training purposes. The facility will be available to both the Coast Emergency Communications Association and the Nanaimo Amateur Radio Association to provide the required infrastructure for each organizations communications programs.



11. Provide details regarding all other sources of funding for this project including financial contributions and any grants received, or applied for, from other sources, i.e. other municipalities, levels of government or service organizations.

Funding for this project is envisioned to come from several sources. Our organization receives revenue from our annual membership dues, from member donations and from an biannual swap and shop sale we host in the community. In addition our association does apply to the provincial Gaming Grant program each year for funds to cover the cost of equipment purchases and upgrades. For the 2019/2020 year we have applied for approximately \$7000 from the BC Gaming Branch to purchase a repeater shack, solar panels and controllers for this project,

Budget Information – please provide the following information as separate attachments:

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|---|----------|-----|
| 12. Provide a copy of your organization's current year budget. | Attached | |
| 13. Provide a copy of your organization's latest financial statement. | Attached | |
| 14. Provide an annual report for your organization, if applicable. | Attached | N/A |

Applications received that are incomplete, that do not meet the criteria, or are received after the deadline will not be considered. Please check to ensure that you have provided all information and details as requested in this application prior to submission.

SIGNATURE 	DATE 
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Please submit your organization's completed application to:

Finance Department
Regional District of Nanaimo
6300 Hammond Bay Road, Nanaimo, BC V9T 6N2
Telephone: 250-390-4111 or toll free 1-877-607-4111, Fax: 250-390-6572
Email: inquiries@rdn.bc.ca

Please Note: The Regional District of Nanaimo is subject to the provisions of the *Freedom of Information and Protection of Privacy Act* and cannot guarantee that information provided can or will be held in confidence.

Nanaimo Amateur Radio Association
BALANCE SHEET
As at October 31, 2018 (Most recent year end)

<u>Current Assets</u>	<u>NARA General Funds</u>	<u>Gaming Funds</u>	<u>Total</u>
Cash on hand	61.31		61.31
Cash in bank	6,739.07	740.24	7479.31
Savings Acct	18.45		18.45
Equity Shares	58.52		58.52
Short Term Invest	<u>2029.63</u>		<u>2029.63</u>
	8905.98	740.24	9647.22
<u>Capital Assets</u>	<u>Value</u>	<u>Depreciation</u>	<u>Total</u>
Rechargeable Batteries	3360.00	672.00	2688.00
Spectrum Analyzer	1851.85	370.37	1481.48
Yaesu Repeater	<u>410.01</u>	<u>82.00</u>	<u>328.01</u>
Total	5949.87	1124.37	4497.49
Current Liabilities - None			
Total			

BUDGET STATEMENT
 Nanaimo Amateur Radio Association
 Projected Revenue and Expenditures for
 Year Ended October 31, 2019

<u>Revenues</u>	NARA General Funds	Gaming Funds	Total
Community Gaming Grant		3,750.00	3,750.00
Membership Dues	1,160.00		1,160.00
Federal Canada Site Rental	350.00		350.00
Amateur Radio Training	850.00		850.00
Interest Income	.64		.64
Refunds	320.64		320.64
Sales	<u>182.15</u>		<u>182.15</u>
	2,863.43	3,750.00	6,613.43
 <u>Expenses</u>			
Duty and Import Taxes		222.22	222.22
Textbooks		460.69	460.69
Wide Screen TV (Teaching)		1,263.35	1,263.35
TV Mount		167.99	167.99
KGPco Tower Parts		1,077.33	1,077.33
Bank Service Charges	40.00	40.00	80.00
Amateur Course Material	30.00		30.00
Antenna Cable	1200.00		1200.00
Antenna Rotor	375.00		375.00
ICBC Insurance	155.00		155.00
Liability Insurance	250.00		250.00
Licenses & Permits	60.00		60.00
Maintenance	300.00		300.00
Meeting Expenses	150.00		150.00
Miscellaneous	75.00		75.00
Office Supplies	125.00		125.00
Printing & Reproduction	250.00		250.00

Utilities Electric	400.00		400.00
Utilities Internet	<u>100.00</u>		<u>100.00</u>
Total	3,510.00	3,231.58	6,741.58
Excess of Revenues over Expenses (-646.57)		518.42	(128.15)

FINANCIAL STATEMENT
 Nanaimo Amateur Radio Association
 Statement Revenue and Expenditures for
 Year Ended October 31, 2018

<u>Revenues</u>	NARA General Funds	Gaming Funds	Total
Community Gaming Grant		7,500.00	7,500.00
Dues, Sales	2,930.00		2,930.00
Refund	2,395.62		2,395.62
Federal Canada Site Rental	1,050.00		1,050.00
Ham Happenings Revenue	2,024.00		2,024.00
Interest Income	.99		.99
Dividends	<u>.47</u>		<u>.47</u>
	8401.08	7500.00	15901.08
<u>Expenses</u>			
Textbooks		459.11	459.11
Spectrum Analyser		1851.85	1851.85
Antenna Tuner, Antennas, Cable, Shipping		3052.00	3052.00
Yaesu FT-891 Transceiver		1149.89	1149.89
Yaesu Repeater		410.01	401.01
Duties and Import Taxes		328.22	328.22
Bank Service Charges	32.50		32.50
Donations	260.42		260.42
Mr.Heater	55.99		55.99
Ham Happenings	687.64		687.64
Liability Insurance	215.46		215.46
ICBC Insurance	151.00		151.00
Maintenance	309.45		309.45
Meeting Expenses	113.90		113.90
Miscellaneous	70.44		70.44
Office Supplies	119.29		119.29
Printing & Reproduction	152.10		152.10
Utilities Electric	357.74		357.74
Utilities Internet	<u>100.00</u>		<u>100.00</u>
Total	2625.93	7251.08	9877.01
Excess of Revenues over Expenses	5775.15	248.92	6024.07