



## CITIZENS' ADVISORY COMMITTEE ON MEASURE Z EXPENDITURES

(Advisory Committee will make recommendations to the Humboldt County Board of Supervisors as to expenditure of funds derived from *Measure Z*.)

### APPLICATION FOR FUNDING

Agency Name: Redwood Community Radio, Inc. / KMUD  
 Mailing Address: PO Box 135, Redway, CA 95560  
 Contact Person: Jimmy Durchslag Title: President, Board of Directors  
 Telephone: 707-923-3449 E-mail address: jimmydur@asis.com

1. AMOUNT OF MEASURE Z FUNDING REQUESTED FOR FY 2019-20 \$ 44,344.17

2. ENTITY TYPE -- Please check appropriate box.

- a. Humboldt County Department ☐
- b. Contract Service Provider to Humboldt County ☐
- c. Local Government Entity ☐
- d. Private Service Provider ☐
- e. Non-Profit Service Provider ☒
- f. Other ☐

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3. Please provide brief description of proposal for which you are seeking funding.

Redwood Community Radio/KMUD is seeking funding for an Emergency Broadcast Upgrade, to acquire equipment that would ensure our radio broadcast can continue to provide emergency and safety information to our listeners throughout Humboldt County, especially during extreme weather, wildfires, power outages and other emergencies.

4. *Measure Z* funding is scheduled to "sunset" in 2020. How are you developing a plan for sustainability, including diversification of funding sources, in order for your proposal to carry on without reliance on future *Measure Z* funds?

This is a one-time allocation of funds to establish a reliable backup system that can be operated and maintained by KMUD using its resources and personnel to provide critical emergency service to the communities across the county. KMUD has a broad listening and membership base, and support from businesses and individuals continues to help sustain this crucial resource.

5. If this request is for the continuation, or expansion, of an existing program/service, what is the current source of funding for that program/service?

KMUD receives a grant from the Corporation for Public Broadcasting, yet relies on community support, business underwriting and fund drives to maintain and upgrade emergency broadcast equipment.

6. If you are awarded *Measure Z* funds, how will you use them to leverage additional grants, contributions, or community support?

Measure Z funds will be used to leverage additional support by informing our members and general listening audience to the benefits of the proposed Emergency Broadcast Upgrade. This will bolster support during membership drives and fundraising events. KMUD will also use this support as part of our overall funding picture in seeking additional grants.

7. Will this proposal require new or expanded activity on the part of another entity to be fully functional and effective? If so, please describe.

Installation of the backup generators on both Redway and Pratt Mt. locations will be contracted out. Otherwise, the intention and purpose of the Emergency Broadcast Upgrade is to become self-reliant, fully functional, and readily maintained.

8. Are there recurring expenses associated to this application, such as personnel costs? Please check yes or no and if so, please detail those expenses. ☒ Yes ☐ No

KMUD currently rents space on Pratt Mt. for the transmitter and antennae and is negotiating the installation of a backup generator with lessor. Personnel and maintenance costs are accounted for in the budget as submitted. KMUD will be responsible for covering any ongoing fuel costs as part of its annual budget.

**ATTACHMENTS—Please include the following with your application**

**Proposal Narrative:** Brief description of your request for *Measure Z* funds – Please explain how it is an essential service or for public safety. (one page maximum)

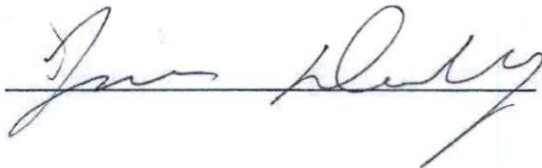
**Prior Year Results:** If your request is a continuation of a program funded with *Measure Z* in prior fiscal years, please provide the results of implementation. (one page maximum)

**Program Budget**

**I declare under penalty of perjury under the laws of the State of California that the above statements and all attachments are true and correct**

DATE: February 24, 2019

SIGNATURE: \_\_\_\_\_



**SUBMIT THIS APPLICATION TO:**

Humboldt County Citizens' Advisory Committee on *Measure Z* Expenditures  
c/o County Administrative Office  
825 Fifth Street, Room 112  
Eureka, CA 95501-1153

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Redwood Community Radio (KMUD) is requesting Measure Z funding for equipment, services and supplies to maintain and assure its ability to provide the communities we serve with essential emergency communications. In emergency situations, whether due to extreme weather, fires, or public safety issues, community residents immediately turn to KMUD and its sister stations for status and updates. The Sheriffs, CHP, fire departments and other agencies regularly contact KMUD to disseminate information. Our news department, which broadcasts the only locally produced news in Humboldt County, provides updates, interrupting regular programming as necessary to keep listeners informed about emergencies.

The KMUD Emergency Response Team and the Southern Humboldt Emergency Response Team (SHEPT) have been working together, meeting twice monthly to enhance the effectiveness of KMUD's emergency response and communication systems. KMUD has identified crucial upgrades and improvements for us to consistently serve the community, during emergencies when the listeners turn to radio for their primary source, and for many their only source of information.

The recent extreme weather and power outage at our Pratt Mountain transmitter site demonstrate the necessity to upgrade KMUD's equipment so that we can stay on the air during emergencies. We need a reliable generator and automatic transfer switch at the site so that we do not depend on a third party's equipment. The backup generator at our Redway Studio is under-dimensioned at 8kW and has been in use for over 22 years. This leaves our equipment and community vulnerable.

Having our own Studio to Transmitter link (STL) will give KMUD a reliable, independent connection to the transmitter. A dedicated phone line has been used for the last 31 years, but occasional problems crop up as sections of the line have deteriorated. Local *Frontier* employees have made valiant efforts in keeping the line in shape but spare parts are hard to get and we cannot rely on continued service. We also lease a digital link to the transmitter from 101netlink.com. Whenever they experience problems KMUD suffers. Our own link connection will allow for a safe link for audio transmission as well as the control and monitoring of the broadcasting equipment.

In addition, KMUD is requesting funds for a satellite phone as a final element in assuring continued communication. After the disastrous 2017 fires, Mendocino County Sheriff Tom Allman recommended KMUD get a satellite phone to communicate with law enforcement, first responders, and government agencies when cell phone and landlines are not available.

As identified by agencies and individuals responsible for keeping our communities safe, KMUD is a critical and essential emergency communication component of a comprehensive county emergency services plan. This one-time allocation of Measure Z funds is necessary for the improvements needed for KMUD to disseminate pertinent information and continue to be a reliable emergency communication source for the residents of Humboldt County



# ATTACHMENT II

## Budget

### Redwood Community Radio, Inc. / KMUD

#### Essential Community Emergency Communication Services

Descriptions	Total Amounts	RCR Contribution	Measure Z Request
<b>A. Personnel Costs</b>			
Title: Studio to Transmitter Link project coordination, spectrum coordination Salary and Benefits Calculation: Spectrum Coordination \$1,000, Project Coordination \$2000 Gray Haertig, Consulting Broadcast Engineer, Portland OR, coordination of Duties Description: STL equipment programming, installation and 11GHz spectrum licensing	3,000.00		3,000.00
Title: Electrical Installation Generator and Automatic Transfer Switch at Pratt Mour Salary and Benefits Calculation: 2,000 Duties Description: Licensed electrician	2,000.00		2,000.00
Title: Electrical Installation for Generator and Automatic Transfer Switch at Studio/ Salary and Benefits Calculation: 1,500 Duties Description: Licensed electrician	1,500.00		1,500.00
Title: Studio to Transmitter Link Installation Salary and Benefits Calculation: \$1000 tower climber, \$1000 KMUD staff, volunteers Duties Description: Install wireless data links at studio, at intermediate site, and at Pratt Mountain transmitter site. Staff and volunteer labor is in-kind.	2,000.00	1,000.00	1,000.00
Salary and Benefits Calculation: \$300 for licensed electrician, \$500 KMUD staff, volunteers Duties Description: Install wireless data links at studio, at intermediate site, and at Pratt Mountain transmitter site. Staff and volunteer labor is in-kind.	800.00	500.00	300.00
Salary and Benefits Calculation: 1000 for KMUD Technical Staff Duties Description: KMUD Technical Staff System Maintenance	1,000.00	1,000.00	
Salary and Benefits Calculation: \$5000 for KMUD News Staff Duties Description: KMUD News Personnel Emergency Reporting	5,000.00	5,000.00	
<b>Total Personnel:</b>	<b>15,300.00</b>	<b>7,500.00</b>	<b>7,800.00</b>
<b>B. Operational Costs (Rent, Utilities, Phones, etc.)</b>			
Title: Tower Rent Description: Percentage of Rent for Pratt Mountain Facility	3,000.00	3,000.00	
Title: Electricity Description: Percentage of P, G&E Costs	4,500.00	4,500.00	
<b>Total Operating Costs:</b>	<b>7,500.00</b>	<b>7,500.00</b>	

**Redwood Community Radio, Inc. / KMUD**

**Essential Community Emergency Communication Services**

Descriptions	Total Amounts	RCR Contribution	Measure Z Request
<b>C. Consumables/Supplies (Supplies and Consumables should be separate)</b>			
Title: Propane			
Description: Fuel for Generators	300.00	300.00	
<b>Total Consumable/Supplies:</b>	<b>300.00</b>	<b>300.00</b>	
<b>D. Transportation/Travel (Local and Out-of-County should be separate)</b>			
Title: Local Travel			
Description: Transportation Costs to Transmitter Site	500.00	500.00	
<b>Total Transportation/Travel Costs:</b>	<b>500.00</b>	<b>500.00</b>	
<b>E. Fixed Assets</b>			
Title: Generator Pratt Mountain transmitter 91.1 FM			
Description: Kohler 24RCL, 24kW commercial 3-phase, propane powered, RX7-5CTC transfer switch, misc. plumbing, labor, regulatory compliance fee, tax. Does not include electrical installation. Proposal by Blue Star Gas	15,709.15		15,709.15
Title: Generator KMUD Studio/Office 1144 Redway Dr. Redway			
Description: Kohler 20RESC, 20kW residential single phase, propane powered, RXT-JENC-100B Transfer Switch, misc. plumbing, labor, regulatory compliance fee, tax. Does not include electrical installation. Proposal by Blue Star Gas.	7,435.02		7,435.02
Title: Studio to Transmitter Link equipment (STL)			
Description: 2 Audio Codec "Tieline Bridge-IT", 2 5GHz data links "Ubiquiti Rocket M5" with dish and cover, 2 11GHz data links "Ubiquiti AF11-FX" with dish and cover, misc. hardware, wiring	6,500.00		6,500.00
Title: Solar Power System for STL			
Description: 2 250W solar panels, (2 panels panel mount rack, charge controller, lockbox for batteries already donated), 10 year life 48V battery set, misc. hardware	4,400.00		4,400.00
Title: Portable satellite phone			
Description: Iridium Extreme 9575, including to go kit, activation fee, 1 year subscription fee includes 10 minutes call time per month	2,500.00		2,500.00
<b>Total Other Costs:</b>	<b>36,544.17</b>		<b>36,544.17</b>
<b>Totals:</b>	<b>60,144.17</b>	<b>15,800.00</b>	<b>44,344.17</b>
<b>Total Measure Z Request</b>			<b>44,344.17</b>