



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: RBS Enterprises

Mailing Address: 1911 Hilfiker Ln #5, Eureka, CA 95503-5753

Contact Person: Robert B. Stretton

Title: Owner/Operator

Telephone: 707-444-9650

E-mail address: RBSe@yahoo.com

1. AMOUNT OF MEASURE Z FUNDING REQUESTED FOR FY 2017-18: \$ 18,000

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

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

Outfit Eureka and surrounding areas with one LoRa(tm) Repeater at the city's highest point for the new low-power (up to 20 year battery life) mini-transceivers that will exchange data with the repeater as far as 20 miles away which is secure with encryption and un-jamable all the way from your tiny "Tracking Asset Transceiver" to your smartphone or computer via the internet to our IT facility (100 years combined experience) where we use the latest technology and Artificial Intelligence to store, compile, develop reports, and then sent to your smartphone in near-real-time to anyone at any security level for the job of the receiving personell. Tiny "Tracking Asset Transceivers" run about \$20 each and can last up to 20 years on a single battery so they can be put in places that you can't reach very well or never again to track and exchange data on, for example, office equipment since these tiny radios work well in office buildings going through walls easily to track the status.

Or, in city vehicles to track anything on it such as fuel, temperature, oil pressure, voltage, and position within 150-300 ft. without GPS! This will bring Eureka into the 21st Century with citywide IoT (Internet of Things)...

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 system is "set it, and forget it" as the cost includes all that needs to be done to get it up and running, and from then on out it is just ongoing updates to your requested reports as they arise, additional programming, added node radios (\$20 each) and sensors, and the IT services to deliver your content.

Once this is in place you will want to do all you can to sustain this project for the cost of this system will pay for itself in reduced waste across the board and increased efficiency to give you a short Return On your Investment.

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?

N/A

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

This system will pay for itself once installed in reduced overhead costs across the board...

Unmeasurable advantage... Measurable results in lower costs and increased safety throughout...

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.

We provide all that you need until such time it is incorporated into Eureka City operations...

The only new activity will be the installation of the devices as you need them for your assets.

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

Note: Please go to: "www.rbse.us/z" for more information about this project...

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: 2/16/2017

SIGNATURE: _____

Robert B. Stretton

SUBMIT THIS APPLICATION TO:

Humboldt County Citizens' Advisory Committee on *Measure Z* Expenditures
c/o County Administrative Office
825 Fifth Street, Suite 111
Eureka, CA 95501-1153.

ATTACHMENTS:

Proposal Narrative:

This system is an essential service for the city AND for public safety in that all of the cities assets can be outfitted with a tiny transceiver (\$20 each + sensors) to track and exchange securely encrypted low-bit-rate data between the asset device and a central IT facility via LoRa™ to the Internet and our IT facility with Artificial Intelligence where we process your data and deliver reports and controls via the Internet with individual levels of security and authority to your smart-phone and/or computers in near-real-time over the Internet for the purpose of reducing waste on a monumental scale across the board by knowing where your assets are at all times within 150-300 feet without GPS and exchanging data between devices and the one LoRa™ repeater (20 mile range) mounted at the cities highest point, and in knowing the status of each asset you can forecast maintenance, downtime, near-real-time schedule changes do to errors or malfunctions, run time, location, operating parameters like fluid levels, pressure, temperature, open/closed, on/off, speed, direction, or literally anything you want to watch or control with artificial intelligence.

Example:

Outfit the city buses with a multitude of sensors for fuel, air, water, voltage, amperage, oil pressure, or whatever, and built into the transceivers is a way to triangulate where the buses are at all times without GPS, and send the buses data our IT facility where our AI generates and reports to your website the position of each bus at all times so each rider can see on the website their bus and where it is at that moment using Google Maps, and of course feed that data and all the rest to your central office for your specific operations.

This would work for all the cities vehicles, and I mean all of them for about \$200 or less for each vehicle, all of your computers, printers, copy-machines, or any asset that can be fitted with a tiny device that runs on a battery for many years, so I have no way to budget this without a lot of homework which I'm willing to do if my proposal is accepted...

Bottom line, this system will pay for itself rapidly in reduced waste across the board and the future is the IoT (Internet of Things) way to reduce costs and increase safety through all facets of city government and it's people...

I want Eureka to be at the forefront of efficiency and safety...