



Two Way Radio System Request For Proposal

Scope of Service

Lowcountry Regional Water System (LRWS) is requesting a proposal for equipment, software, programming, licensing, labor, travel allowances, installation etc. to provide an all-inclusive digital two way radio system for the functions and needs of LRWS. Certain features and equipment is detailed in this request. However, this request is limited in its detail and may not provide specific requirements of equipment, materials and functionality. LRWS relies on the expertise of the vendor/supplier to provide insight and guidance for the development of the two way radio system (System) to meet the current and future needs of LRWS. All mobile, portable and desktop/dispatching units shall include all labor, equipment, materials, programming etc. as required and shall be itemized as such for an all-inclusive installed price for each radio unit to thereby allow LRWS the ability to add or delete from the total number of radio units that may be specified within this document. The equipment and quantity of equipment is provided as a guide for pricing and may change due to the vendor/supplier recommendations or the specific needs or requests of LRWS.

Licensing

All requirements for licensing through the Federal Communication Commission (FCC) or other federal, state and local agencies will be handled and administered by the vendor/supplier or their representative including a third party agent for the vendor/supplier. Any and all licenses' that may be required for the operation of the "System" shall be licensed and registered for a period of 10 years. The "System" shall be registered to the following:

Lowcountry Regional Water System
513 Elm Street West
P.O. Box 647
Hampton, SC 29924

Phone 803-943-1006
Operation Contact: Danny Padgett (Primary)
Administrative Contact: Brian Burgess (Secondary)

Frequency

The frequency shall be within the VHF band. The number of frequencies will be dictated by the "System" requirements and as may be recommended by the vendor/supplier. Deviation from the VHF band is not allowed without specific written approval from LRWS.

Location

The "System" may be comprised of a base radio unit, mobile units, portable units and desktop or dispatching units. The base/repeater radio unit # 1 shall be located at the LRWS "Holly Street" elevated water tank site at 102 Holly St. in the Town of Hampton SC 29924. The base/repeater radio unit # 2 shall

be located the LRWS "I-95" elevated water tank site adjacent to 267 Yemassee Hwy. in the Town of Yemassee SC 29945. The desktop or dispatching units shall be located at the main offices of LRWS at 513 Elm St West in the Town of Hampton SC 29924. All mobile units will be installed in vehicles and portable units will be issued to employees as needed and as a function of their job requirements and duties. Mobile and portable units will generally be associated with the address of the operations facility at 500 Saluda St in the Town of Hampton SC 29924.

Equipment

The vendor or supplier shall provide the number of radio units and any required antennae, antennae mounts, radio mounts/brackets, interfacing equipment, cables, cords, wiring etc. that may be required for the installation and operation of the "System" proposed number of radio units as follows:

Base Station/Repeater Units (Continuous Duty) - 2
Mobile Units – 14
Portable Units with Color Display – 12
Dispatching Software Suite with Radio System Interface for 3 Users

Accessory Equipment

The vendor shall provide accessory equipment such as portable charging stations, Bluetooth compatible earpieces and headsets, screen protectors, remote speaker/microphones and leather cases and or belt clips compatible with the equipment provided and as follows:

Portable Unit Charging Station (6 Port) – 2
Portable Unit leather case – 2
Portable Unit swivel belt clip – 4
Portable Unit Swivel belt holder - 8
Portable Unit remote speaker microphone – 4
Portable Unit Screen Protector – 12
Portable Unit Spare Batteries – 6
Mobile Unit Long Range Wireless Microphone – 2
Base radio Unit for Dispatching – 2

Third Party Equipment/Services

The base/repeater units shall be networked or interconnected through a cellular modem gateway connection. The equipment will be provided by the Owner. The equipment proposed is a Sierra Wireless RV50 Gateway with a static IP address. This equipment will operate on the Verizon Wireless system. The vendor/supplier shall verify that this equipment is compatible with the proposed "System" and will provide the required functionality required for networked operation.

Programming

The vendor/supplier shall provide all the necessary programming that is required for the system to function properly and as may be required to establish different talk channels, features and functions, such as location identification utilizing a Global Positioning System (GPS), "man down" features, dispatching and or other features, functions etc. that may be requested by LRWS within this document. The programming shall include the development of talk groups with input from LRWS. Although the final talk groups may change, the initial talk groups are defined as follows:

General Services (Main)
Customer Services
Distribution/Collection
Treatment Operations
Administration
Worksite (Point to Point)

Options, Features and Functions

The "System" shall be provided with options, features and functions to include, location identification utilizing GPS and mapping software or applications to locate and or track the position of all mobile and portable units. All portable units shall have a "lone worker" feature as well as a one button emergency alert feature to alert all units on the "System" of the unit identification as well as its location utilizing the mapping software or application. The desktop/dispatching unit shall have a desktop microphone and speakers that interfaces or is connected to the "System".

Warranty

The equipment shall have a standard warranty and include software updates as follows:

Base Station/Repeater Units 5 Years
Mobile Units 5 Years
Portable Units 5 Years
Software Updates 3 Years

Training

The vendor/supplier shall include and at the time of "System" delivery provide an adequate level of field training to allow all operators/users to understand the use, licensing requirements and proper operation of all equipment, equipment features and software provided.

Instructions to Vendor/Supplier

LRWS will accept sealed proposals for the "Two Way Radio System". The vendor/supplier shall develop a plan for a radio "System" and provide a cost proposal utilizing this document as guidance. The proposal shall be received no later than Thursday, March 7th, 2019 at 10:00 AM at which time the proposals will be publicly opened and read. The LRWS reserves the right to accept or reject any or all proposals in its best interest. Additionally, LRWS reserves the right to increase/decrease the quantity of equipment at its pleasure that does not affect the operations of the proposed system. The proposal shall be submitted with the wording "Radio System Proposal" in bold letters on the outside of the package/envelope. Questions related to this request may be directed to Brian Burgess at 803-943-1006 or by email at brian.burgess@lowcountrywater.com. The proposal shall be delivered by the required date and time to:

Lowcountry Regional Water System
Attention: Brian Burgess
513 Elm St West
Hampton, SC 29924