ATTACHMENT A

GUALALA COMMUNITY SERVICES DISTRICT
P.O. BOX 124
GUALALA, CA 95445
(707) 785-2331
FAX: (707) 785-3841

January 7, 2011

RWQCB
5550 Skylane Blvd. Suite A
Santa Rosa, CA 95403
ATT. Manuel Baldenegro

RE: ECA project per phone conversation on 01-06-2011.

Dear Manuel,

The purpose of this project is to upgrade our monitoring and alarm generating SCADA system to a more reliable notification system. The system that is in place consists of phone modems at each lift station that reports through phone lines. And because of our location has to travel through two different phone companies. When lines are damaged due to bad weather or high winds we lose communication. When this happens we have to make contact with the first phone company and if they can't identify a problem they contact the second phone company. This leaves us without communication sometimes for days.

Installing a wireless system to communicate with all lift stations would alleviate the problems that we have experienced with our phone lines. The other benefit is the fact that at the present time we have no communication or alarms with CSA6 other than a flow meter.

I am attaching copies of the scope of work that is proposed for these projects which will show the costs of the two projects that will be done.

If this is not enough information to satisfy your current needs or if you need me to add anything to this please let me know.

Sincerely.

Jerry C Orth
District Manager
Gualala Community Services District
PO Box 124
Gualala, CA 95445

(707) 785-2331 Voice
(707) 785-3841 Fax

SUBJECT: Gualala Community Services District

SCADA Radio Retrofit Project

Treatment Plant and Lift Stations

Execute a system network design, FCC frequency coordination, and obtain an FCC license in the name of Gualala Community Services District for a pair of frequencies in the 450-470 Mhz range. Two network designs will be proposed, the most favorable will allow the Master site to communicate with all sites without the use of intermediate radios and PLC/RTU units to forward the data.

Furnish 5 antennas for installation by GCSD to save costs. Assist with installation. Install the new radio system in parallel with the telephone system until reliable communications have been established. Supply all necessary radio and interface devices for a reliable system. Full system documentation will be supplied.

Re-program, your Wonderware based SCADA HMI application to utilize radio communications. Your remote access and telephonic paging software will continue to function as before.

The system will also allow monitoring of the radio system and remote programming and troubleshooting of PLC/RTU units in the field.

The second computer will run a redundant application of SCADALARM.

Remote access will not affect or disrupt any local sessions in progress.

The system will also allow monitoring of the radio system and remote programming and troubleshooting of future PLC/RTU units in the field.

Schedule of Tasks and Deliverables

5 SCADAWAVE Radios including
1 Master Radio (WWTP)
1 Repeater Radio (Pump Station 3)
3 Remote Radios (Pump Stations 1, 2, and 4)
5 Antennas and cables

5 Lightning Arrestors
5 Sets interface cables
1 Lot Screen and Database development
1 Lot Startup and commissioning
1 Lot Training and Training Manuals

Total Lump Sum Price $ 26,200.00

CSA6 North

1. Establish communications link between CSA6N Pump Station and WWTP using licensed radio system.

2. Install a Programmable Logic Controller at CSA6N Pump Station. Install power supplies and all necessary wiring between motor starters and PLC.

3. Install a radio transceiver, along with lightning arrestor and other necessary devices.

4. Furnish an antenna for installation by GCSD to save costs. Assist with installation.

5. Establish a program to remotely start, stop, and monitor pumps remotely. Add interlock to stop pumps if no flow is indicated at the WWTP.

6. Re-programming of your Wonderware based SCADA HMI application to utilize radio communications to CSA6N and exchange pump and flow data between the 2 sites. Add a graphics screen for CSA6N. Modify database as necessary.

7. Your telephonic paging software will be programmed to add alarms from CSA6N.

8. You will receive documentation and training.

Schedule of Tasks and Deliverables

1. 1 Programmable Logic Controller
2. 1 SCADAWAVE Remote Radio
3. 1 Antennas and cables
4. 1 Lightning Arrestors
5. 1 lot interface cables
6. 1 Power supply, backup batteries and installation.
7. 1 Lot Screen and Database development
8. 1 Lot Startup and commissioning
9. 1 Lot Training and Training Manuals

Total Lump Sum Price $ 12,375.00