

**DOUGLAS COUNTY FINANCE DIVISION**  
**Budget Augmentation/Transfer/Adjustment Form**

Date of Request: 7/28/2011  
 For Fiscal Year: 11/12

Requested By: Anne Henderson  
 Department: Minden Wholesale Water

					DR	CR	CR	DR
Account Name					Revenue Increase	Revenue Decrease	Expend Increase	Expend Decrease
1	Cap Reserves-Beginning	639	000	301 250	120,000			
2	Capital Projects	639	919	625 250			120,000	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
<b>Totals</b>					120,000	-	120,000	-
<b>Net Change</b>					120,000		120,000	

**Purpose of Budget Change:** To increase Capital Projects expenditure budget by amount needed for purchase and installation of equipment to upgrade the Towns water systems telemetry (per Greg Hill). During FY 10/11, Fund 639 was established as a separate fund to account for wholesale water activity. A final accounting of the amounts that need to be split from Fund 640 to Fund 639 is being determined as the year-end accounting work is completed. When the final budget for 11/12 was adopted, it did not include any Opening Fund Balance amounts, as they were not yet known. When the final accounting for FY 10/11 is complete, the remaining OFB amounts will be augmented as well into Fund 639.

**Department Head Signature:** \_\_\_\_\_

*Finance Division Use Only*

Keyed By: \_\_\_\_\_  
 Date: \_\_\_\_\_

Journal # \_\_\_\_\_



*SIERRA CONTROL SYSTEMS, INC.*  
*WATER MEASUREMENT AND CONTROL SYSTEMS*

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scs@sierracontrols.com  
Nevada Lic. 16793  
California Lic. 732754

**DATE**  
May 10, 2010

**PROPOSAL NO.**  
7944

To: Town of Minden

**Attention: Greg Hill**

**Subject: SCADA System Upgrade Proposal**

Sierra Control Systems, Inc. is pleased to offer this proposal to upgrade the following Town of Minden SCADA System's listed Remote Telemetry Units (RTUs) and Office Master SCADA Computer.

The overall purpose of the proposed upgrades is to modernize the SCADA system and prepare it for upcoming expansion projects. Proposed upgrades include the following:

- a) New faster Ethernet radio backbone
- b) PLC controllers upgraded to more powerful processors with Ethernet capability
- c) Conversion of existing Modbus protocol to more powerful DNP 3.0
- d) Office HMI software converted to ClearSCADA which is much better suited to SCADA systems.

The proposal itemizes each RTU by site and details the new products and scope of labor required to complete the upgrade.

**Item 1. Upgrade Buckeye Booster RTU**

**\$11,660**

Pricing includes: Control Microsystems Series 32P PLC, Cal Amp Datacom Radio Transceiver, NTRON 8 Port Ethernet Switch, Maple-Systems Operator Interface Display Panel, Control Microsystems Analog Output Module, (2) Control Microsystems Digital I/O Modules, Potter-Brumfield Relay Modules, Cooper/B-Line Battery Enclosure, Allen-Bradley Terminals and Fuse Blocks Engineering, PLC Ladders Programming, Operator Interface Programming, Travel, Field Installation/Modification, Field Testing, Training and Documentation.

**Item 2. Upgrade Well 1 RTU**

**\$ 8,210**

Pricing includes: Control Microsystems Series 32P PLC, Cal Amp Datacom Radio Transceiver, NTRON 5 Port Ethernet Switch, Maple-Systems Operator Interface Display Panel, Cooper/B-Line Battery Enclosure, Allen-Bradley Terminals and Fuse Blocks, Engineering, PLC Ladders Programming, Operator Interface Programming, Travel, Field Installation/Modification, Field Testing, Training and Documentation.

**Item 3. Upgrade Well 2 RTU****\$ 7,380**

Pricing includes: Control Microsystems Series 32P PLC, Cal Amp Datacom Radio Transceiver, NTRON 5 Port Ethernet Switch, Cooper/B-Line Battery Enclosure, Allen-Bradley Terminals and Fuse Blocks, Engineering, PLC Ladders Programming, Travel, Field Installation/Modification, Field Testing, Training and Documentation.

**Item 4. Upgrade Well 3 RTU****\$10,245**

Pricing includes: Control Microsystems Series 32P PLC, Control Microsystems Analog Output Board, Cal Amp Datacom Radio Transceiver, NTRON 5 Port Ethernet Switch, Maple-Systems Operator Interface Display Panel, Cooper/B-Line Battery Enclosure, Allen-Bradley Terminals and Fuse Blocks, Allen-Bradley Three-Position Switch, Veris Industries Current Sensor, Engineering, PLC Ladders Programming, Operator Interface Programming, Travel, Field Installation/Modification, Field Testing, Training and Documentation.

**Item 5. Upgrade Well 4 RTU****\$10,245**

Pricing includes: Control Microsystems Series 32P PLC, Control Microsystems Analog Output Board, Cal Amp Datacom Radio Transceiver, NTRON 5 Port Ethernet Switch, Maple-Systems Operator Interface Display Panel, Cooper/B-Line Battery Enclosure, Allen-Bradley Terminals and Fuse Blocks, Allen-Bradley Three-Position Switch, Veris Industries Current Sensor, Engineering, PLC Ladders Programming, Operator Interface Programming, Travel, Field Installation/Modification, Field Testing, Training and Documentation.

**Item 6. Upgrade Well 5 RTU****\$ 8,210**

Pricing includes: Control Microsystems Series 32P PLC, Cal Amp Datacom Radio Transceiver, NTRON 5 Port Ethernet Switch, Maple-Systems Operator Interface Display Panel, Cooper/B-Line Battery Enclosure, Allen-Bradley Terminals and Fuse Blocks, Engineering, PLC Ladders Programming, Operator Interface Programming, Travel, Field Installation/Modification, Field Testing, Training and Documentation.

**Item 7. Upgrade Well 8 RTU****\$ 7,970**

Pricing includes: Control Microsystems Series 32P PLC, Cal Amp Datacom Radio Transceiver, NTRON 5 Port Ethernet Switch, Cooper/B-Line Battery Enclosure, Allen-Bradley Terminals and Fuse Blocks, Engineering, PLC Ladders Programming, Operator Interface Programming, Travel, Field Installation/Modification, Field Testing, Training and Documentation.

**Item 8. Upgrade Master RTU****\$ 8,690**

Pricing includes: Control Microsystems Series 32P PLC, (2) Cal Amp Datacom Radio Transceivers, NTRON 5 Port Ethernet Switch, Engineering, PLC Ladders Programming, Travel, Field Installation/Modification, Field Testing, Training and Documentation.

**Item 9. Upgrade Office Master Computer & HMI**

**\$36,050**

Pricing includes: Dell Optiplex Mini-Tower Computer, Dell 24" Widescreen Monitor, Control Microsystems ClearSCADA Management Software, Clear SCADA WEB Server License, (2) Control Microsystems ClearSCADA WEB X Client Licenses, One-Year ClearSCADA Support, Incuity Report Management Software, One-Year Incuity Support, Perfect Disc Defragmentation Software, AVG Anti-Virus Software, Toplang Internet Lock Software, SnagIt Screen Capture Software, SonicWall Firewall, Computer Configuration, HMI Development Programming, Reports Programming, Travel, Installation, Field Testing, Documentation and Training.

**Total System Upgrade**

**\$110,265**

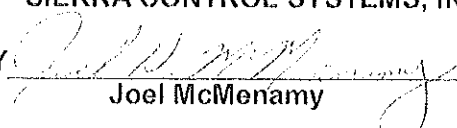
**Note:** Proposal assumes products and work would be done directly for Town of Minden and therefore no tax has been added. If SCS contracts to a General Contractor or another subcontractor tax would be required and would be additional.

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DELIVERY: 20-24 weeks ARO  
TERMS: NET 30  
FOB: CARSON CITY, NV  
THIS QUOTATION IS VALID FOR 60 DAYS.

RESPECTFULLY SUBMITTED,  
SIERRA CONTROL SYSTEMS, INC.

BY

  
Joel McMenamy

*To proceed with this order please sign below with an authorized signature and return.*

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Signed

Date

Requested delivery date