



**George T. Hall**  
Company

Controls | Automation | Solutions

[www.georgethall.com](http://www.georgethall.com)

March 17, 2017

City of Sparks  
Kevin Porter  
431 Prater Way  
Sparks, NV 89431

Dear Kevin:

Per your request please see below our proposal to design & fabricate a RTU and supply instrumentation for the Sparks Marina Pump Station Project. If you have any questions or require any additional information, please don't hesitate to ask. Thank you for considering the George T. Hall Company.

**Item I: Sparks Marina Pump Station Control Panel & SCADA**

- 1ea Modicon M340 PLC with 64 Discrete Inputs, 32 Relay Outputs, 16 Analog Inputs, 4 Analog Outputs
- 1ea Magelis 10.5" Touchscreen Interface
- 1ea Phoenix Contact Mguard RS2000 Router with cell interface (includes antenna, LA, cabling)
- 1ea Phoenix Contact 5A DC Power Supply, including UPS battery tender
- 1ea Hoffman 48x36x10 Nema 12/4 Enclosure
- 1ea Lot Pilot Devices on shown on drawings supply by City of Sparks
- 1ea Phoenix Contact 5 Port Switch
- 1ea Lot Necessary Fusing & Terminal Blocks for I/O
- 1ea Lot required components to provide a complete control panel
- PLC Programming – based on basic control description shown on E6 – additional details will be required
- HMI Programming – based on basic control description shown on E6 – additional details will be required
- Scada Programming – based on basic control description shown on E6 – additional details will be required
- Complete Mechanical & Electrical Drawings
- Complete Mechanical & Electrical Fabrication

Total for above item I products & services: \$50,800.00
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**Item II: Instrumentation**

- 1ea Honeywell STG84L Pressure Transmitter
- 2ea IMI Vibration Sensor / Transmitter with cable & mount pad
- 2ea Float Switch for flood detection
- 1ea Keller Level Transmitter for lake level, includes jbox & bellows
- 1ea Keller Level Transmitter for wet well, includes jbox & bellows
- 1ea Dwyer Room Temp Transmitter
- 1ea Dwyer Pressure Switch, includes mount bracket
- 1ea Siemens 14" Magnetic Flowmeter, remote electronics, grounding rings, 150lb flanges
- 1ea Edwards Heat Rise Switch

Total for item II: \$17,850.00
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Total for item I & II above: \$68,650.00
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CORPORATE OFFICE  
ANAHEIM, CA 714.939.7100  
LOS ANGELES, CA | SAN DIEGO, CA | LAS VEGAS, NV | RENO/SPARKS, NV



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**Notes:**

**Prices do not include any applicable sales tax or shipping charges**

**Running of conduit and wire by others**

**Installation of instrumentation and RTU by Electrical Contractor**

**Where applicable, instrumentation calibration by GTH**

**Includes GTH collaboration with Electrical Contractor**

**PLC panel will not have a swing out panel as described on E6**

**Installation of all equipment on site by others**

**Allow 10-12 weeks for delivery**

**Sincerely,**

**Michael Smith**

George T. Hall Company

[msmith@georgethall.com](mailto:msmith@georgethall.com)

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