

New Tank SCADA Integration

Proposal for
Town of Virgin Public Works

Prepared for
06/03/2026

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Contact Information

APCO Inc.
710 South Redwood Road
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Project Description



SUMMARY

APCO is pleased to present this proposal for the design, fabrication, commissioning, PLC programming, and SCADA integration for the Town of Virgin's new Tank Site. A complete breakdown of the labor and hardware associated with this site is outlined below.

HARDWARE

- NEMA 4 Enclosure & Backplane
- Enclosure Lock
- Nano-10 PLC
- Surge Protection
- Unmanaged Network Switch
- SimpliScada Hub
- DIN Rail, Terminal Blocks, Wire Ducting, Breakers and other misc. hardware required for a fully functional control panel

LABOR

- Control panel Design
- Control Panel Fabrication
- Factory Acceptance Testing (FAT)
- PLC Programming
- SCADA Configuration
- Panel Installation
- Wire Terminations
- Testing & Commissioning
- Conduit Work to Install New Panel
- Electrical Work to Install Solar Hardware (optional)
- Conduit Work to wire tank hatch intrusion switches (optional)

SOFTWARE

Simpliscada Complete Cloud SCADA Solution

- Licensing included in previous quote for the Valve Vault, Main Tank, and West Tank sites

OPTIONAL

- Solar Panel, Batteries, Solar Enclosure, Associated Mounting Hardware, Concrete, and excavator rental for building solar panel structure
- Conduit for tank hatch intrusion switches

Assumptions/Clarifications



- No local OITs included in this scope of work.
- Solar charger and batteries included below as an optional line item.
- It is assumed that there is space for mounting the control panel
- SimpliScada licensing cost not included in this quote. Pricing for all four sites (Valve Vault, Main Tank, West Tank, and New Tank) are included in the licensing cost outlined in the quote provided on 4/13/2026.
- No instrumentation is included in this scope of work.
- It is assumed that cameras and radios are provided by others.
- Solar panel structure consists of two poles with concrete footings.
- It is assumed that the site has suitable soil for digging and installing a solar panel structure.
- Proposal assumes no rock excavation, groundwater mitigation, soil stabilization, or specialty foundation systems are required.

Budget



This project will be carried out on a Fixed Fee basis and this proposal has been prepared in accordance with this billing structure. The project will be billed on a percent complete basis until the fulfillment of the listed price. Equipment procurement is a part of the project and will be billed upon receipt by APCO.

Sales tax will not be charged if a Utah State Sales Tax exemption form is provided or already on file.

New Tank SCADA Integration

Control Panel Hardware & Fabrication	\$ 10,659
Engineering Labor	\$ 10,304
<i>PLC Programming</i>	
<i>HMI Programming</i>	
<i>Control Panel Design</i>	
<i>Commissioning</i>	
Install Labor & Expenses	\$ 6,165
<i>Panel Installation</i>	
<i>Wire Terminations</i>	
Sales Tax	\$ 772.77
Project Total	\$ 27,900.77

OPTIONAL: Solar Charger & Batteries

Hardware	\$ 10,416
Installation Labor & Expenses	\$ 6,646
Sales Tax	\$ 755.16
Total	\$ 17,817.16

OPTIONAL: Conduit Runs for Tank Hatch Intrusion Switches

Hardware	\$ 63
Labor & Expenses	\$ 5,335
Sales Tax	\$ 4.57
Total	\$ 5,402.57

Conclusion

We look forward to working with you on this and future projects. Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jo Clarke', with a stylized, cursive script.

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