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Kim's Corner

I have been receiving inquiries from customers on how to comply with AWIA regulations as well as customers working on how to prevent power surges this summer. These two items dove-tail nicely into SCADA System Resiliency. We will discuss several resiliency issues in this newsletter. Thanks to our customers who are being proactive!



Kim Evezich

303.697.0440
[Send Kim an Email](#)

AWIA Regulations and SCADA Resiliency

Community Water System Emergency Response Plan, a part of the AWIA regulations, is a current mandate for water systems. **Timber Line can help** your system comply with some of the requirements:

Communications during an incident:

- Alarm dialers
- Redundant media for software dialers (voice and text)
- Back-up robo-dialers that use voice messaging and copper phone lines.

Physical Security:

- Intrusion alarms
- Smoke detectors
- Motion detectors
- Flood alarms
- Heat detectors
- Freeze alarms

Cybersecurity

- Strong usernames and passwords
- Secure remote-support tunnels
- Firewalls for Red Lion OITs and SCADA computers
- DMZ zones between Industrial Control Network and Outward-Facing networks

Power Loss

- Double Conversion UPS to allow software dialer to alarm operators during outage
- Double conversion UPS to condition power and protect computer
- Transient Voltage Surge Suppression (TVSS) for 480VAC, 120VAC, 4-20mA
- TVSS for data cables and coax cables
- Grounding surveys
- Power Monitors
- Transfer Switch and Generator alarm reporting

Alternate Drinking Water Supplies

- Software icons to activate alternate water supply pumping scenarios

Please call us to help you implement these resiliency measures and move you forward on AWIA compliance!

Replacing a UPS

For almost 20 years, Timber Line has been providing *Marathon Vault* double conversion UPSs for deployment with SCADA computers and control panels. We have recently discovered that some of these UPSs are being replaced by the end user with inexpensive back-up style UPS's.

- It is possible to replace the batteries on a UPS that will no longer hold a charge. Just power down your computer or PLC in a careful manner (call us if you need help), unplug the load and supply sides of the UPS (all power removed from UPS), turn it OFF and then open up the UPS and write down the type and quantity of batteries. Batteries can be ordered from *Batteries Plus* or *Interstate Batteries*.
- If the UPS is truly faulty/dead then it needs to be replaced with another double-inversion UPS. This style of UPS converts 120AVC to DC to charge the batteries and converts back to AC to power the computer. This provide two levels of power conditioning AND means NO power bumps when the power goes on and off. Inexpensive back-up UPSs do not offer these protections. Please call us if you need to replace your UPS!



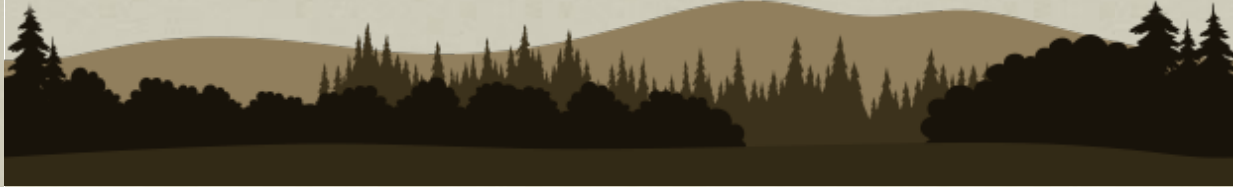
Dan's Download

Come see us at the CRWA trade show in February! I will be teaching a class on Surge Protection at 10:10AM on Tuesday Feb 11th, followed by Vendor Education Sessions in the afternoon and Wednesday morning. Our booth is right inside the entrance to the exhibit hall, so come say "Hi"!





Timber Line Electric & Control Corporation



Kim Evezich
Timber Line Electric & Control Corp.
303.697.0440
Kim@TLECC.net
TLECC.net