

The Conduit

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NEWS & VIEWS OF ELECTRICAL INSTALLATIONS, INC.

ANNUAL SUPERVISORS MEETING & SAFETY TRAINING

On March 18, management and field personnel gathered at EI's home office for our Annual Supervisors' Meeting & Safety Training. The morning was devoted to updating First Aid, CPR and AED certifications with several people discovering that CPR can be quite exhausting. We are pleased to report that fifteen employees completed training and received two-year certifications.

The afternoon was devoted to a review of the current state of Electrical Installations, Inc. and our company focus for the future. The importance of building our new Service Group was a key topic of conversation including a review of our newly-created Service Maintenance Agreement, now available to any and all of our water/wastewater customers. Among other topics discussed were escalating health insurance costs and the importance of continued safety awareness.



Thanks to everyone who participated in what proved to be a lively and informative session.



Number of hours worked
without a "Lost Time" Injury

539,468





EMPLOYEE SPOTLIGHT



ANNIVERSARIES

Cory Glines	6 years
Bryan Payne	6 years
Mike Merrill	5 years
Eva Fritz	5 years
Casey Damon	4 years
Jared Leary	1 year



APPRENTICES NO MORE!

We are proud to announce that, in the last eight months, three of our apprentices have earned their Journeyman Electrician licenses. Bryan Payne was the first to be licensed in August, followed by Ryan Pothier in October, and, most recently, Dan Ronan. Congratulations gentlemen, on your terrific accomplishment!



HAPPY MOTHER'S DAY!
HAPPY FATHER'S DAY!



Factoid of the Month

The solstice days are those when the daylight hours are at their longest or shortest. In the northern hemisphere the longest day is usually June 21, and the shortest day is December 21.

CHARLIE'S QUALITY CORNER

Explosion Proof Wiring Notes:

We do a lot of Class 1 Div. 1 wiring, and there are several things I have noted that we need to remember and focus on.

Seals...sometimes you need to oversize seals when used for controls. The fill percentage for seals is usually significantly less than the fill for conduit. The idea being that wire separation must occur when pouring the seal. If several wires are bunched together, gas can seep in and through the void between the wires. Over sizing (actually proper sizing based on fill calculations) provides room between conductors for the compound to effect a gas tight seal.

Generally the seal rule is:

Seal as close as possible when entering or leaving a classified area. The seal must be before the first threaded joint (no couplings, ericksons or fittings before the seal!)

Seal when entering or leaving a spark-producing device. Factory sealed switches when listed for the purpose do not require seals. Note that some fixtures require seals.

XP flexible conduit. Use where necessary for flexibility or for vibration isolation. Note that some unsupported fixture pendants require a flexible connection. We pay by the length for XP flex. It costs about \$19.00 / inch, so keep lengths as short as possible!!



Matt Blood and Casey Damon recently put on their cowboy hats when the next-door-neighbor came to visit.

UPCOMING PROJECTS

Edgartown, MA - SCADA System
Barbato Construction

Groveland, MA - SCADA System
Ewing Electrical Co., Inc.

Conway, NH – Saco River Pump Station
S.E. MacMillan Co., Inc.

Gorham, NH – WWTF Control Panel Replacement
Town of Gorham

Benton, NH – Glencliff Woodchip Facility
Hutter Construction Corp.

Meredith, NH – SCADA System
Town of Meredith

Auburn/Lewiston, ME – WTP Phase 2
T Buck Construction, Inc.

Franklin, NH – Acme WTP
Weston & Sampson Services