



The Conduit

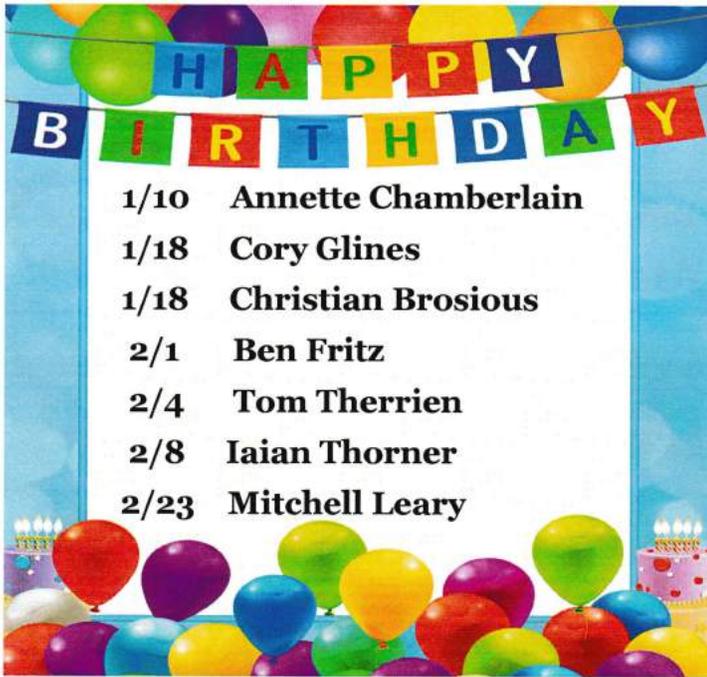
Volume 17, Issue 1
January & February 2020

NEWS & VIEWS OF
ELECTRICAL INSTALLATIONS, INC.





EMPLOYEE SPOTLIGHT



Happy Anniversary

- | | |
|--------------------|----------|
| Tom Therrien | 23 Years |
| Mike Leary | 21 Years |
| Christian Brosious | 8 Years |

WELCOME NEW EMPLOYEE

Maggie Gouette recently joined our office team and is currently handling both Accounts Payable and Accounts Receivable. Maggie lives in Laconia with her husband, David, and she enjoys gardening and helping David with his greenhouse business. Her favorite pas-time, however, is quilting.

SAFETY MATTERS

Damaged Tools and Equipment



Exposure to damaged electrical tools and equipment can be very dangerous. Do not fix anything unless you are qualified to do so. Thoroughly check for cracks, cuts or abrasions on cables, wires, and cords. In case of any defects, have them repaired or replaced. Lock Out Tag Out (LOTO) procedures should be performed at all times before commencing electrical maintenance and repairs. LOTO procedures are there to protect all workers on a worksite.

IN THE SPIRIT OF THE SEASON

Thank you to all who contributed to EI's success this past year. We are thankful for every member of our dedicated team and we want you to know that you enabled us to, once again, share our success with those less fortunate. As Christmas approached, EI donated over \$44,000 to 21 different outreach-centered charities including The Salvation Army, St. Vincent de Paul, Cash-N-Cans, Habitat for Humanity, Community Caregivers, Twin Rivers Interfaith Food Pantry, Meals on Wheels, David's House, New Horizons, NH Food Bank, Dana Farber/Jimmy Fund, UMCOR, Visiting Nurse Home Care & Hospice, Lakes Region Food Pantry, Child Advocacy Center, Pine Street Inn, and others. Please know that you who enable our success have also touched the lives of many who are in need.

Factoid of the Month

WHY DO WE HAVE LEAP YEAR?



It takes the Earth around 365.242199 days to go around the sun, but the modern Gregorian calendar only has 365 days. Without some type of periodic adjustment, the calendar would be out of "synch" with the seasons by approximately one month every 125 years. So once every four years, all of the extra time is added together to form a new day, February 29. Even this adjustment overcompensates by about 11 minutes.



Number of hours worked without a "Lost Time" Injury **123,778**



The Conduit



Volume 17, Issue 2
March & April 2020

NEWS & VIEWS OF ELECTRICAL INSTALLATIONS, INC.

FEATURED PROJECT

Water Pollution Control Facility Comprehensive Upgrade Torrington, CT



Electrical Installations received the subcontract to provide instrumentation and controls for the Water Pollution Control Facility Upgrades in the City of Torrington, CT. The project includes construction of new buildings and structures, as well as the renovation of existing buildings and structures. This is a three-year project which will completely revamp the entire facility.

To date, we have supplied all of the instrumentation and we have begun the first phase of fabrication of the 12 PLC control panels and 25 local control panels that are included in this project. Of these, we are currently fabricating 7 PLC panels and a dozen local control panels. Following fabrication, the systems integrator, NIC Systems, and the engineer, Wright-Pierce, will test the panels before shipment to the job site. Our Panel Shop crew, Matt Blood and Casey Damon, are hard at work fabricating these panels and they have begun counting the number of I/O modules and relays in the enclosures. Presently the I/O count is 155 which equates to 2,480 points with 491 relays for an estimated wire count of 7+ miles! Upon completion, these panels will be installed and ready for the first phase of commissioning at the end of the year.

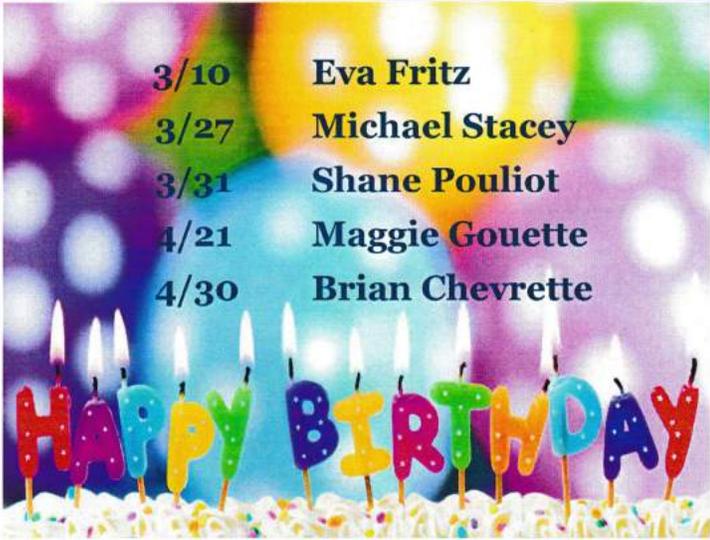
Following the completion of the current phase of panel fabrication, Matt and Casey will remain busy throughout the summer completing the fabrication of all remaining control panels for the Torrington project. This represents one of our largest supply-only fabrication projects to date. As always, our Panel Shop crew has risen to the challenge and they anticipate completing this project ahead of schedule!

Number of hours worked
without a "Lost Time" Injury **87,803**





EMPLOYEE SPOTLIGHT



- 3/10 Eva Fritz
- 3/27 Michael Stacey
- 3/31 Shane Pouliot
- 4/21 Maggie Gouette
- 4/30 Brian Chevrette

Anniversaries

Matt Blood	16 Years
Tom Brosious	16 Years
Jared Leary	10 Years
Zack Fritz	10 Years
Andy Fritz	8 Years
Ben Fritz	7 Years



Factoid of the Month

On the first day of spring, a person at the North Pole would see the sun skimming across the horizon, beginning six months of uninterrupted daylight. A person at the South Pole would see the sun skimming across the horizon, signaling the start of six months of darkness.

ANNUAL EMPLOYEE MEETING

Friday, April 17, 2020
 8:30 AM—1:30 PM
 The Canoe Restaurant
 Route 25, Center Harbor, NH




Electrical Installations recently marked its sixth year sponsoring the "New Hampshire Brew'n's" hockey team in the Annual New England Pond Hockey Classic. Teams travel from around the country to participate in this 3-day event which hosts 250 hockey teams on 24 rinks on Lake Winnepesaukee. This year, skating conditions became quite challenging as temperatures rose but the team managed a winning record, nonetheless. Congratulations Brew'n's!

NEW ORLEANS

October 29 - November 2

The entire EI crew is cordially invited to New Orleans as we celebrate EI's 33rd Anniversary! Come join us down in The Big Easy as we cruise the Mississippi, tour the city, and see the sights. We can think of no better place for the most incredible Halloween Party ever!



Have you RSVP'd?



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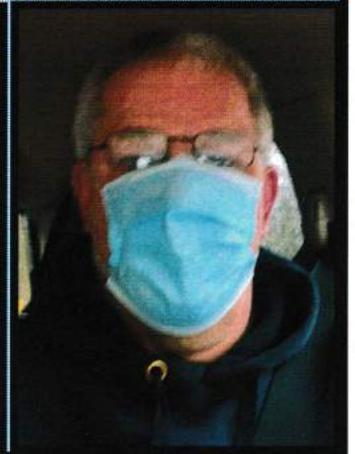
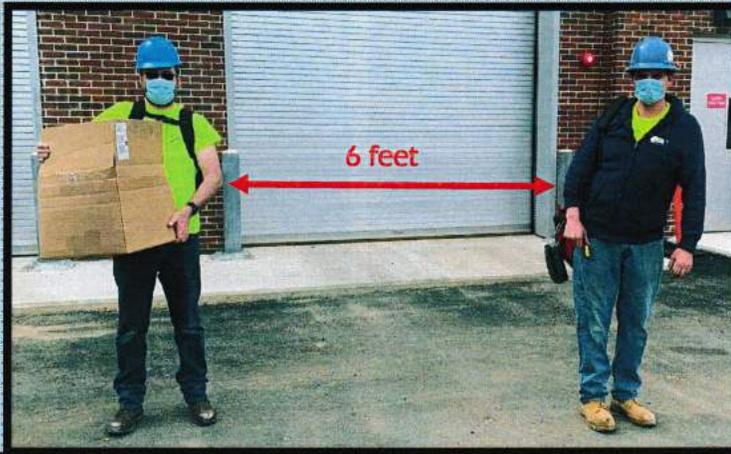
May & June 2020

NEWS & VIEWS OF ELECTRICAL INSTALLATIONS, INC.

ESSENTIAL WORKERS IN A PANDEMIC

All we hear about these days is COVID-19. It dominates the media and it has impacted our lives and the economy unlike anything we could have ever imagined. Millions of people are out of work, children cannot attend school, and sports and other public events are cancelled. The hardship and economic loss is catastrophic. Amidst the chaos and anxiety, however, the "essential" businesses continue working. As a business that is "involved in the construction of critical or strategic infrastructure including public works construction, water, sewer, electrical, ..." Electrical Installations, Inc. is deemed essential and we have a responsibility to maintain a normal work schedule. As such, we are compelled to adhere to project schedules despite shipping delays, safety concerns, and a general slow-down of everything.

But we are blessed in so many ways. We are blessed that we can continue to work safely and that there will be no lapse in income for anyone at EI. We are blessed that EI is financially strong and able to weather the economic repercussions of the pandemic. We are blessed that the entire EI team has remained healthy with no actual cases of COVID-19. Most of all, we are blessed knowing that our dedicated and caring team never fails to meet a challenge, unprecedented as it may be. For this we are incredibly thankful. We pray that you and your families remain safe and healthy.



Number of hours worked
without a "Lost Time" Injury

98,564





EMPLOYEE SPOTLIGHT

Factoid of the Month

June is National:

- Give a Bunch of Balloons Month
- Papaya Month
- Accordion Awareness Month
- Pollinators Month
- Great Outdoors Month
- Candy Month
- Country Cooking Month
- Safety Month
- Turkey Lovers Month



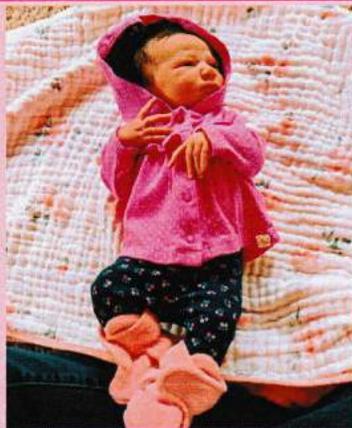
To name a few...

Anniversaries

Cory Glines	15 Years
Eva Fritz	14 Years
Casey Damon	13 Years
Mitchell Leary	6 Years
Harry Blood	2 Years
Iaian Thorner	1 Year

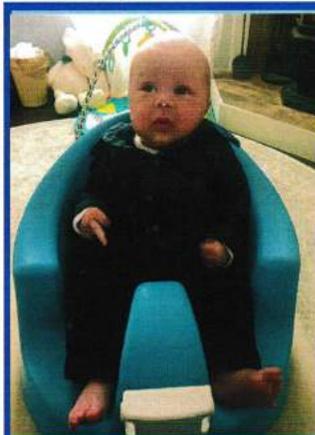
Welcome Lillian Catherine Blood

Born on 3/15/20 at 1:11 AM. Lily weighed 7 lbs. 14oz and was 18.5" long. We wish Matt, Chrissy, big brother Wyatt, and Lily many joyful moments and memories.



Welcome Ryan Edward Douglas Thorner

Born on 3/17/20 at 12:08 AM. Ryan weighed 6 lbs. 5oz and was 17.5" long. We wish Iaian, Shayna and Ryan many joyful moments and memories.



PREVENTION OF COVID-19



Memorial Day
*Never Forget
 Ever Honor*

UPCOMING PROJECTS

- Augusta, ME— 2019 ASD Dewatering Upgrade
Apex Construction, Inc.
- Bourne, MA—Buzzards Bay WWTF
Robert B. Our Co., Inc.
- Cape Elizabeth, ME—Littlejohn Pump Station Upgrade
Apex Construction, Inc.
- Derry, NH—Contract D2 Pump Stations
Lewis Builders Development, Inc.
- El Panel Shop—Pole Control Panels
TSG Solutions, Inc.
- Richmond, ME—Wastewater Treatment Process Upgrade
T. Buck Construction, Inc.
- Rochester, NH—River St. Pump Station Upgrade
Apex Construction, Inc.
- York, ME—Chase's Rd WTP PLC Upgrade
York Water District
- Whitefield, NH—WWTP Upgrade
Daniel Hebert, Inc.



The Conduit

Volume 17, Issue 4
July & August 2020

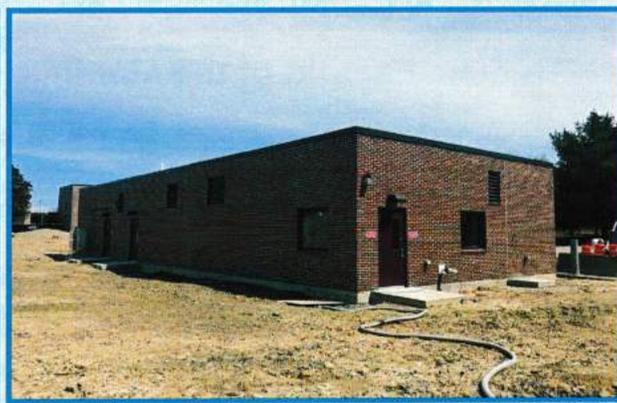
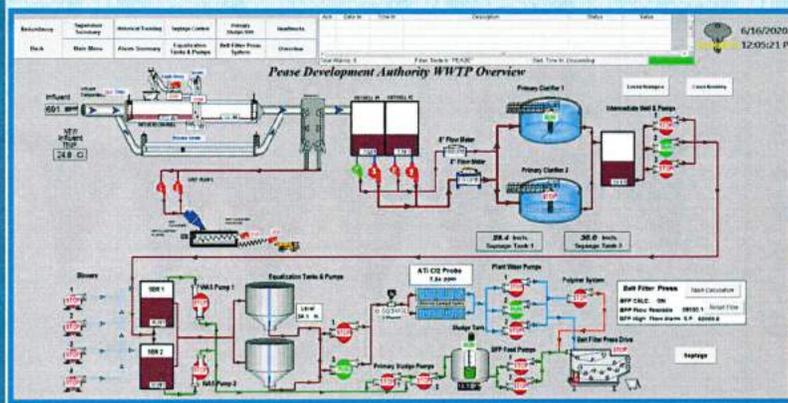
NEWS & VIEWS OF
ELECTRICAL INSTALLATIONS, INC.



FEATURED PROJECT Pease Wastewater Treatment Facility Headworks Portsmouth, NH

The Pease Wastewater Treatment Facility is the smaller of the two City owned treatment facilities and is located at the Pease International Tradeport. This facility is designed to treat an average daily flow of 1.2 million gallons per day (mgd) of wastewater from the Tradeport area to secondary treatment standards. The Pease Facility was constructed in the 1950's for the U.S. Air Force and was upgraded in the 1990's and converted to a Sequencing Batch Reactor (SBR). The City took over operations from the Pease Development Authority around this same time and Electrical Installations began the first of what would be several plant upgrades over the years.

The facility is again being upgraded, this time in phases over the next several years. The first phase of work is the new Headworks Building that will provide preliminary treatment designed to remove rags, debris, and grit from the wastewater before it enters subsequent phases of treatment. The facility consists of automatic screening equipment, new electrical controls, and four new raw wastewater pumps among other improvements. This ambitious project was recently completed despite long delays due to problems encountered due to the wet, sandy soil. An essential part of the project was an extensive SCADA upgrade, successfully completed by Electrical Installations. Special thanks to all who participated in this project including Jim Fritz and Shane Pouliot who assisted Project Manager, Charlie Fritz, and Matt Blood and Casey Damon who manufactured the required control panels. We have enjoyed numerous projects with the City of Portsmouth and we look forward to many more in the future.





EMPLOYEE SPOTLIGHT

HAPPY BIRTHDAY!

Jimmy Fritz	July 1
Craig Sharpe	July 9
Darlene Chevrette	July 9
Charlie Fritz	July 28
Andy Fritz	August 11
Zack Fritz	August 26



HAPPY WORK ANNIVERSARY

Brian Chevrette	24 years
Darlene Chevrette	24 years
Neil Davis	24 years
Jimmy Fritz	10 years
Annette Chamberlain	4 years
Shane Pouliot	3 years

SAFETY MATTERS

Improper Grounding



The most common OSHA electrical violation is the improper grounding of equipment. Proper grounding can eliminate unwanted voltage and reduce the risk of electrocution. Never remove the metallic ground pin as it is responsible for returning unwanted voltage to the ground.

*Number of hours worked
without a "Lost Time" Injury* **108,958**

UPCOMING PROJECTS

- Acton, MA — Central Acton Water Treatment Plant
Waterline Industries Corp.
- Concord, NH — WWTF Pump Station HVAC Upgrade
PRB Construction, Inc.
- Hampton, NH — WWTF Phase 1 Upgrades
Penta Corp.
- Kennebunk, ME — WWTF Improvements
Apex Construction, Inc.
- Milford, NH — Milford WWTF PLC & Network Upgrade
Town of Milford
- Nashua, NH — Office Backup Generator
Pennichuck Water Works, Inc.
- Penacook, NH — Water System PLC System Upgrade
Pennichuck Water Works, Inc.

Factoid of the Month



Americans spend over \$1 billion on fireworks every year. According to the American Pyrotechnics Association, the numbers continue to go up every year. The biggest celebration is the Macy's 4th of July Fireworks show, which takes over 8,000 hours to prepare!

God Bless



...land that I love.

NEWS & VIEWS OF ELECTRICAL INSTALLATIONS, INC.

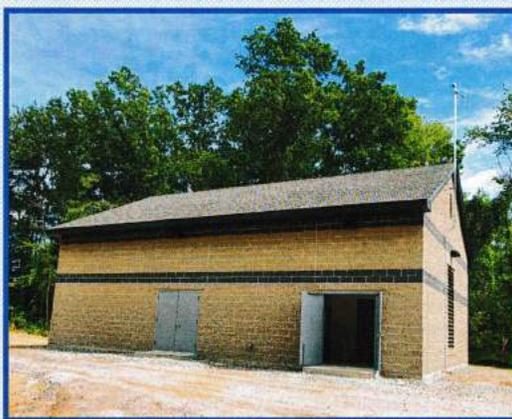
FEATURED PROJECTS

Southern New Hampshire Regional Water Project (SNHRW) Contracts D1 and D2 —Derry, NH

This summer, towns in southern New Hampshire broke ground on what will become the state's largest regional water system. Earlier in the year, an agreement was finalized among the SNHRW members to build a network of water mains, pumps, and tanks that will route water from Manchester's Lake Massabesic and the Merrimack River through Derry to Salem and surrounding towns. The SNHRW members are Manchester Water Works, Derry, Plaistow, Windham, Salem, and utility companies in Hampstead and Merrimack. The new water system is being built, in part, with money from massive settlements between the State of New Hampshire and gas companies, including ExxonMobil, that used to produce MtBE, a chemical that polluted local drinking water. After 30 years, contaminated wells in southern NH will finally get a permanent fix.

Under a sizeable subcontract with Lewis Builders Development Inc, EI is completing the electrical and instrumentation & controls portions of Contract D2 which includes a new booster pump station and modifications to an existing booster pump station. We have also been favored with the electrical, SCADA, and instrumentation & control work included in Contract D1 (RTU & Communications) under a separate subcontract with DeFelice Corporation.

Both projects have progressed quickly and efficiently and are now nearing successful completion. Special thanks to Project Manager, Cory Glines and to Neil Davis, Iaian Thorner, and our shop crew, Matt Blood and Casey Damon. Congratulations on two jobs, well done!



Number of hours worked
without a "Lost Time" Injury

117,918

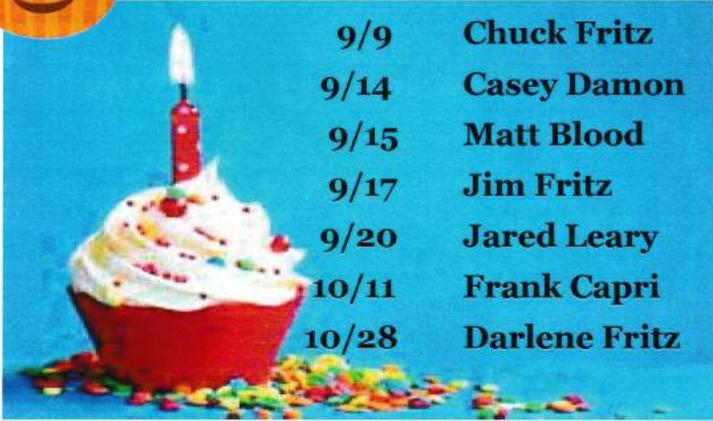
SAFETY IS



NO ACCIDENT



EMPLOYEE SPOTLIGHT



- 9/9 **Chuck Fritz**
- 9/14 **Casey Damon**
- 9/15 **Matt Blood**
- 9/17 **Jim Fritz**
- 9/20 **Jared Leary**
- 10/11 **Frank Capri**
- 10/28 **Darlene Fritz**



Anniversaries

- Kim Souza 12 Years
- Chuck Fritz 33 Years
- Jim Fritz 33 Years
- Darlene Fritz 33 Years
- Charlie Fritz 33 Years

WELCOME RYAN JAMES FRITZ



We are excited to announce the birth of Ryan James Fritz on July 8, 2020. Ryan weighed 7 pounds, 6 ounces and he was 20 inches long. He is happily settled at home with parents Caitlin and Andy. Congratulations to them and to grandparents Jim and Eva and great-grandparents Charlie and Darlene.

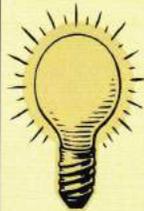
Welcome To Our TEAM

LANDAN KEYSER is our newest apprentice electrician and is currently working with Andy Fritz at the Concord Wastewater Treatment Facility. Landan lives in Moultonboro and in his spare time he enjoys cars, 4-wheelers, dirt bikes and sports - especially football.



Your Benefits

DID YOU KNOW...that with our most recent health insurance renewal, participants gained an additional benefit? Per our December announcement letter: "EI will reimburse the first \$1,000 of the annual deductible for each employee. For those employees having plans which insure family members, EI will additionally reimburse the first \$1,000 of deductible expenses incurred by family members, for a total potential reimbursement of \$2,000." Just submit your Anthem 2020 year-to-date summary for reimbursement. It's that easy!



Factoid of the Month

The best fall foliage color is achieved following a summer with plenty of rainfall plus dry fall days with sunny daytime and cool night time.

The process that leads to colorful leaves is called "abscission". Cells proliferate at the base of leaf stems and they block the flow of nutrients and initiate the process of changing color and fall.

Happy 33rd Anniversary!



NEWS & VIEWS OF ELECTRICAL INSTALLATIONS, INC.



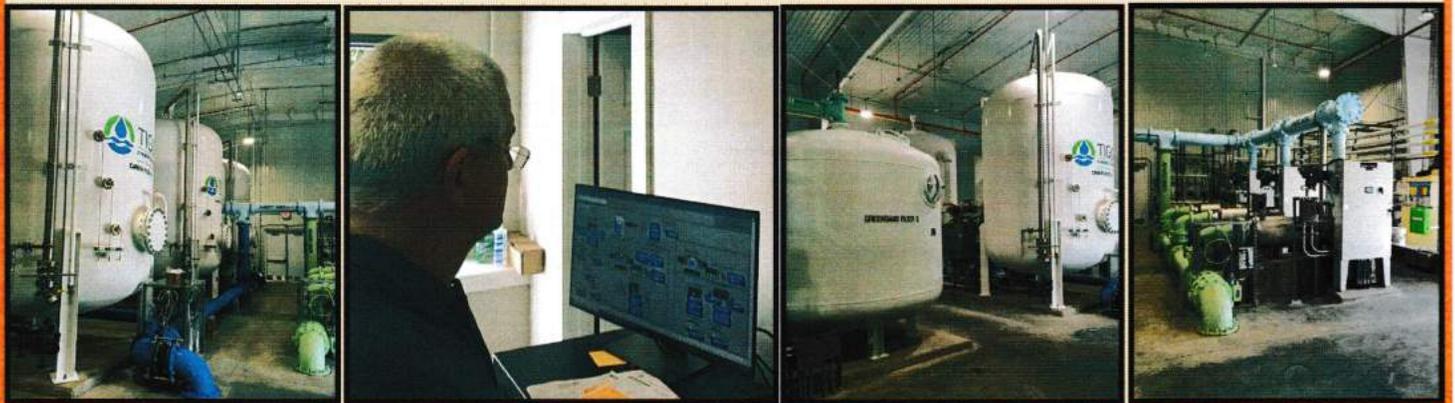
FEATURED PROJECT

Maher Filtration Plant, Barnstable, MA

As a subcontractor to Waterline Industries Corp, EII has provided instrumentation and controls for the new Maher Water Treatment Plant in Barnstable, MA. The project includes construction of a new building to be added to the existing plant which is now in the process of being put online. Our work in the Town of Barnstable began in 2011 when we first put a SCADA system into operation for their town-wide water system and we have been involved in various updates since then.

To date, we have supplied all of the instrumentation and provided a PLC control panel to tie in the plant to the existing plant PLC panel and the existing remote pump stations to this new building. We also provided updates to the existing SCADA system which has two SCADA nodes, one at the existing plant and one at the water office, tied together with fiber optic cabling. Recently, we added a remote view node next to the water office for the contract operations personnel (Suez Utility Service Co. runs the town's water system). The design capacity of the treatment plant is 2.16 million gallons per day or 1,500 gallons per minute. A new treatment building has been constructed housing 4 GreensandPlus™ pressure filters, 3 ultraviolet light (UV) reactors, 6 granular activated carbon (GAC) vessels, replacement chemical feed systems, a new hydrogen peroxide chemical feed system, computer control and electrical systems, and 2 emergency power generators. This plant has a three-step process to remove all of the pollutants. The new treatment systems will remove Iron/Manganese (using Green Sand Filters), 1,4-Dioxane (using UV and Hydrogen Peroxide), and Per- and Polyfluoroalkyl substances (PFAS) (using Carbon Filters) from the source water. PFAS is a new testing requirement in Massachusetts and will eventually be a requirement for all water plants.

Under the expert supervision of project manager, Mike Leary, this innovative project is now a few weeks from completion. Special thanks to Mike, the Westport staff, and the Panel Shop crew for enabling the successful on-time completion of this complex project.



Number of hours worked
without a "Lost Time" Injury

128,249

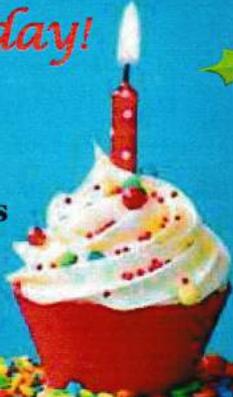


EMPLOYEE SPOTLIGHT



Happy Birthday!

- 11/2 Mike Leary
- 11/9 Neil Davis
- 11/14 Tom Brosious
- 12/1 Harry Blood
- 12/20 Kim Souza



Happy Anniversary

- Craig Sharpe 11 Years
- Frank Capri 3 Years
- Maggie Gouette 1 Year

WELCOME

To the Team

Colby Sharpe is our newest apprentice electrician and he is currently working alongside his father, electrician, Craig Sharpe. In his spare time, Colby enjoys hunting, guns, soccer, and track & field.



PROMOTING SAFETY DURING THE PANDEMIC

Electrical Installations, Inc. recently donated funding for the purchase of KSB Bubble car partitions for Interlakes Community Caregivers' volunteer drivers. The partitions will help to keep the drivers and their riders as safe as possible during the COVID-19 pandemic. Interlakes Community Caregivers is a volunteer organization which provides rides, other direct support services and community resource information to assist our neighbors to remain independent.

NOVEMBER 1, 2020

DON'T FORGET TO **FALL BACK**



Factoid of the Month

IT DOESN'T TAKE LONG FOR THE TEMPERATURE TO DROP

Don't take mild conditions in the middle of winter as an excuse to leave home without a jacket. Rapid City, South Dakota's weather records from January 10, 1911, show just how fast temperatures can plummet. The day started out at a pleasant 55°F, then over the course of 15 minutes a wicked cold front brought the temperature down to 8 degrees. That day still holds the record for quickest cold snap in history.

From all of us to all of you...

