OMUSHKEGO ISHKOTAYO TIPACHIMOWIN

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2021 ANNUAL NEWSLETTER



"EMPOWERING OUR COMMUNITIES"







The Omushkego Ishkotayo Tipachimowin is a free newsletter published by Five Nations Energy Inc. (FNEI) to keep the Mushkegowuk Communities, and the general public, informed about the FNEI Transmission Line, and other issues associated with energy use. FNEI is a federally incorporated non-profit Corporation that owns and operates a 138kv electrical transmission line from Moosonee to Attawapiskat, ON. This line connects three remote Cree Communities to the main Ontario transmission grid, and covers a distance of 270 kms. For more information, please visit www.fivenations.ca. Cree translation is provided by Mr. Greg Spence for our newsletters.

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CORPORATE STRUCTURE OF FIVE NATIONS ENERGY INC.

BOARD OF DIRECTORS

Attawapiskat Power Corporation

Edward Koostachin Janie Wesley

Fort Albany Power Corporation

Patricia Sutherland

David Sutherland

Kashechewan Power Corporation

Jessie Koosees

Hosea Wesley

Taykwa Tagamou Nation

Derek Archibald

Moose Cree First Nation

Robert Echum

OFFICERS OF THE CORPORATION

Chair: Lawrence Martin

Vice Chair: Edward Sutherland

Secretary/Treasurer: Shashia Metatawabin



FIVE NATIONS ENERGY TIMMINS OFFICE

STAFF MEMBERS

Chief Executive Officer

Pat Chilton

Office Manager

Marlene Innes

Maintenance Supervisor

Tony Iserhoff

Journeyman/

Substation Electricians

Bobby Chookomoolin

Stephen Firlotte

Substation

Electrician Apprentice

Ryley Hardisty

Secretary/Receptionist

April Scott

Brief Introduction from the Chair of the Board of Directors LAWRENCE MARTIN

Its been an honour and privilege to serve as the Chair of FNEI this past year.

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My part began when I was the Grand Chief of Mushkegowuk Council from 1998 - 2001, working with the late dynamic and forward thinking, Ed Chilton.

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The vision for FNEI was well expressed by the leadership, and the need for such reliable hydro-electricity services in the remote communities of Peetabeck, Kashechewan and Attawapiskat were documented professionally, and the energy to that the project required to get it to fruition was within the hearts and spirit of the people.

No matter how many "no" answers were given by the regulators and the government - there was no way our people, with Ed Chilton leading the charge would ever give up. Twenty five years later, we are proudly providing the only First Nation led, Transmission line to the owners and operators of Five Nations Energy.

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Working together, and communicating the project every step of the way as been part of the huge success. FNEI not only provides electricity to the communities, but provides the Fibre Optic infrastructure to each household (almost there) to allow for interaction and participation of our people to the world at large.

Meegwetch to all who participated, in whatever shape or form, to make FNEI happen. Five Nations Energy is a Game Changer.

L.d. L.d. P.b. V.d. $\text{V.$

Lawrence Martin,

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Chair

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A Message from the Chief Executive Officer PAT CHILTON

Throughout 2020 and 2021, the COVID-19 virus negatively impacted Five Nations Energy Incorporated (FNEI) and the communities we serve, by limiting our travel to provide preventative maintenance to our sub-stations and transmission lines. As we near the end of 2021, FNEI will see some changes in the way we provide services to the communities, so that the First Nations we serve can continue to rely on the transmission of electricity in a safe and reliable manner. Commencing in 2022, we will partner with Power North to grow Five Nations Energy, and to expand the work experiences of our Electricians, through additional training and work experiences in Northeastern Ontario.

In 2022, we will be celebrating 25 years of existence! This is a significant milestone for the communities and FNEI. Not only is Five Nations Energy Inc., an Indigenous owned and operated transmission company - but the only 100% owned Indigenous transmitter of its' kind, in the province and in the country.

The FNEI Board of Directors has set June 21, 2022, as a day to celebrate our 25th Anniversary of FNEI. We have also in the midst of producing a book and outlines the "Story of Five Nations Energy Inc." Hopefully it can be completed and available by June 21, 2022.

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Following on the path that Five Nations Energy Inc. began in 1997, the Wataynikaneyap Power in Northwestern Ontario, in partnership with Fortis Ontario, has recently begun their journey, but on a much larger scale. We wish them all the best in their quest for safe, reliable and environmentally friendly, electrical services for their communities. FNEI wishes everyone the very best of health in 2022.

Pat Chilton

Chief Executive Officer
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Five Nations Energy Inc., Operations department continues to improve transmission system and maintain existing assets. The activity expands from programmable logic controllers to civil work construction, with FNEI staff and subcontractors involved in different areas. As usual excellent cooperation and support from the local community members.

The landslide under the lines on the island had a recent site survey that was completed by KGS, and there is no movement detected by the probes installed in two locations. Additional stability study will be performed to evaluate survey results.

FNEI as a company is going through growing stages with updating the approach and the operating structure. Availability and readiness of the equipment and the spare components is one of the important elements of the system reliability.

In the years 2020-21, one of the main areas for capital projects were to develop storage facilities. Expand fencing at all three sites for shared space for storage with Local Power Corporations.

Finished garage insulation in each community this year, last one was in Kashechewan, now vehicles have more chances to survive winter and be ready for emergency response crew and regular maintenance visits.



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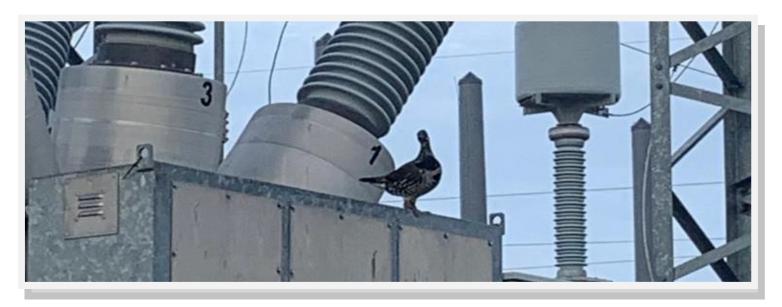




New Feeder 4 cable installation in progress September 2021

Stone replacement work getting done at Attawapiskat Station, it was put on hold due unfinished construction of additional feeder for community, added to address increasing demand for electricity. More and more electrical heaters used to heat up the houses.







Left: Ryley Hardisty and Stephen Firlotte testing reactor.

The key component to "keep lights on" for utilities, is preventive maintenance which include, regular testing and inspections of every system. FNEI crew utilising newest technologies for equipment testing. This year we start seeing equipment aging, few bushings transformer bushings need replacement in near future and some circuit-switcher contacts assembly did not pass testing. FNEI evaluating options to install health monitoring devices on the main system elements as breakers, transformers and reactors.

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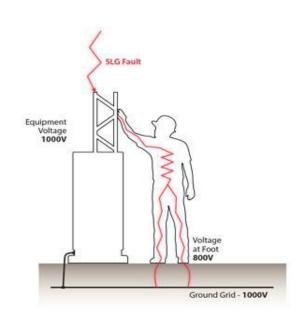


Above: Stephen Firlotte preparing for dynamic breaker test.

Above: Mike Kataquapit and Robert Chookomoolin testing transformer.

Ground grid at the station is very important element of the system, responsible for safety of people on the yard and around substation. Health ground grid maintains acceptable levels of the step and touch voltages during faults and phase unbalanced modes. Overtime contacts may deteriorate underground and have to be fixed, FNEI performing regular ground grid parameter testing to identify any problems.







On the safety note—Here are a few vintage safety posts, keep safe, stay away from High Voltage electrical wires and equipment.





Multiple upgrades was done on Protection and Control side of the system in the past year, Some relays replaced for newer models to address changes in communication protocols and hardware, SCADA servers (which allow to monitor and operate equipment remotely) partially replaced, environmental monitoring devices added. New system for distance to fault precise location in the process of installation on the Moosonee to Kashechewan section.

Northern terrain very challenging for any equipment to travel across wetlands and rivers with safety and sufficient speed. FNEI purchased two FAT Truck units (below) last year and currently working on the new design for FAT Truck propulsion system, it should be sufficient to cross the river without tug boat. Powered by "on board" hydraulic system.





Thank you.



FNEI Congratulates Scholarship Recipients

Every year, FNEI provides scholarship awards to students who are eligible under our scholarship program. The Education Authorities from the five communities of Attawapiskat, Fort Albany, Kashechewan, Moose Cree First Nation, Taykwa Tagamou Nation & including Northern Lights Secondary School, each select a student to receive the scholarship. For the 2021 school year, we received two scholarship recipients!

We are very pleased to Congratulate Katrina Reimer and Cameron Cheechoo!





Picture on left:

Katrina Reimer accepting the FNEI Scholarship Award and cheque from Pat Chilton, CEO.

- **Katrina Reimer** was selected by the Attawapiskat First Nation Education Authority. She recently graduated from Timmins High & Vocational School and will be entering her first year in the Bachelor of Applied Science Program: Engineering at Queen's University in Kingston, ON.
- Cameron Cheechoo was selected by Northern Lights Secondary School. He also recently graduated and will be entering his first year in the Welding and Fabrications Techniques Program at Algonquin College in Ottawa, ON.

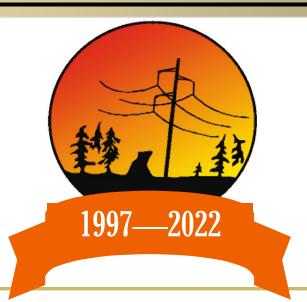
Once again, Congratulations on your achievements and on behalf of the Board of Directors and staff of FNEI we wish you both great success in your future endeavors!







WE'RE CELEBRATING 25 YEARS!



Five Nations Energy Inc., is pleased to announce its 25th Anniversary Celebration! To be held on June 21, 2022 at the Cedar Meadows Resort in Timmins, ON.

Every Child Matters — National Day for Truth and Reconciliation Orange Shirt Day — September 30th



L to R: Pat Chilton, Tony Iserhoff, Michael Kataquapit, April Scott, Marlene Innes, Stephen Firlotte, Ryley Hardisty.

Memory of Those Who Did Not Make it Home.

SAFETY AT ALL TIMES AROUND TRANSMISSION LINES & SUBSTATIONS

Safety Tips for Children: (and everyone else)

Stay away from areas with signs that say, DANGER, and, DANGER HIGH VOLTAGE. Do not go or play near these areas. You could get hurt very seriously or it could result in death!

Be Careful when climbing trees and make sure there are no transmission lines near the tree or lines running through the limbs of the tree.

Never try to touch an overhead wire and stay far away from an overhead wire that has been knocked to the ground. The electricity can travel through the ground for many feet and could seriously injure you or even kill you.

Do not play around or attempt to damage electrical equipment. It may kill or severely injure you. The damaged equipment is even more dangerous and may mean a long power outage for everyone in your Community, and expensive repairs.

Do not play with kites, balloons, model airplanes, near the power lines. Play far away from these overhead lines & substations.

When there is a lightning storm, go inside your home or vehicle immediately. Lightning may be fun to watch, but it is extremely dangerous and should only be watched from inside your home or vehicle.

Always unplug items by unplugging from the outlet carefully, do not pull on the cord as this could damage the cord and make it unsafe to use.

Never play around water with electrical appliances. Water makes electricity more dangerous, and can kill you.

Always be sure that the switch is turned off before you attempt to change a light bulb. If the light bulb is broken, have an adult help you. Never put your finger into a light socket, or poke anything into an electrical outlet.

If you see transmission lines knocked down, or see someone who is being shocked by electricity, <u>DO NOT TOUCH</u> the person. Immediately go for help from an adult and call the Police. Touching someone who has been shocked may shock you as well. Wait until the electricity has been turned off before getting close to the injured person.

REMEMBER: ELECTRICITY IS DANGEROUS AND CAN ALSO CAUSE DEATH. PLEASE FOLLOW THESE SAFETY TIPS AT ALL TIMES TO KEEP YOURSELF SAFE.

Note that Hydro One Networks and Hospital for Sick Children have produced a website, and their link is:

http://www.aboutkidshealth.ca/EN/JustForKids/Life/ElectricalSafety/Pages/default.aspx

Cree Translation on Safety Tips Continue on Page 13

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http://www.aboutkidshealth.ca/EN/JustForKids/Life/ElectricalSafety/Pages/default.aspx

Dear Community Members

Do you have any photos you would like to share?

We'd be happy to display them in next years 2023 FNEI Calendar!

Please send your photos to: reception@fivenations.ca

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