



Five Nations Energy Inc.

Bringing power to Western James Bay



FNEI initial Project Team on FNEI's Omushkego Ishkotayo (FNEI) Transmission Line!

No one can do everything, but everyone can do something.



20th ANNIVERSARY YEAR OF FIVE NATIONS ENERGY INC.

SPECIAL EDITION OF THE OMUSHKEGO ISHKOTAYO TIPACHIMOWIN

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Mission Statement for FNEI

We support our Cree communities by optimizing our human and technical resources to meet their energy requirements in a safe, environmentally responsible and culturally respectful manner.

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FNEI CHIEF EXECUTIVE OFFICER'S MESSAGE 2017

By Mr. Pat Chilton, Chief Executive Officer

Five Nations Energy Incorporated (FNEI) has turned 20 years old on September 30th, 2017. FNEI was created in September 1997 to explore the feasibility of an extension of the main Ontario electricity grid to service Fort Albany, Kashechewan, and the Attawapiskat, First Nations. SNC Lavalin was awarded a design-build contract for a 138 kV transmission line system soon after. Construction of the transmission system was undertaken by PowerTel Utilities Contractors Ltd., and began with clearing operations in 2000. The transmission line was energized to the community of Fort Albany in November 2001, and to Kashechewan in December 2001. Construction of the transmission line to Attawapiskat was completed in March 2002, and the switch to energize the community of Attawapiskat was turned on December 3, 2003.

The transmission line was designed to meet the demands of the three communities for a period of 30 years, and has a capacity of 30 megawatts. The three First Nations' current load is approximately 6 megawatts. Over the years, there have been upgrades to the sub-stations in each of the First Nations to ensure reliability, and to remain prepared for any further expansion, if necessary.

Fast-forward to September 2017, FNEI is still the only 100% owned First Nation transmitter in Canada. We are frequently called upon to present the story of FNEI, and the success and challenges we had over the years. We are always prepared to share our history.

We are very proud of the three Local Distribution Companies, namely the Fort Albany Power Corporation, the Kashechewan Power Corporation, and the Attawapiskat Power Corporation. They are the people who own, operate and manage, the distribution of electricity within their communities. They work closely with FNEI to maintain our transmission line and to remove growth where the line runs.

The Government of Ontario and the Ontario Energy Board set the price of electricity in Ontario, including First Nations communities. FNEI has no authority when it comes to setting the price. The good news in 2017 is that the overall cost of electricity has been reduced. With the effective lobbying from the Chiefs of Ontario, the Government of Ontario removed the First Nation On-Reserve Delivery charge effective July 1, 2017, to all First Nation residences. In addition, the Province has also reduced the price of electricity throughout the whole Province by an overall 25%, including First Nations. In addition, we encourage all low income families to take advantage of the Ontario Electricity Support Program, which could possibly qualify you for additional credits.

Five Nations Energy Inc. is looking forward to the coming years, and we will work closely with the communities and the leadership to ensure we address the challenges.

If anyone has any questions, please feel free to contact us at FNEI.

Meegwetch !!

Pat Chilton

Chief Executive Officer

FNEI SUBSTATIONS IN THE COMMUNITIES



FNEI Substation in Attawapiskat.



FNEI Substation in Fort Albany.



FNEI Substation in Kashechewan.

These three FNEI Substations in the Communities were built early in the construction phase of the Omushkego Ishkotayo project.

(Pictures Courtesy of FNEI)

HISTORY OF THE OMUSHKEGO ISHKOTAYO TRANSMISSION LINE

Excerpt on History of FNEI as previously written by Mr. Ed Chilton in the 2012 FNEI Newsletter:

"Prior to the construction of the high voltage transmission lines between Moosonee and Attawapiskat, electricity in the communities was produced by diesel generators which were noisy, air polluting, unreliable, and did not have the capacity to allow unhindered growth. In Fort Albany, the generating plant was attached to the hospital and in Attawapiskat, in the middle of the community near the schools and hospital. To fuel the plants, about 5,000,000 litres, about 1,100,000 gallons of diesel fuel was transported by barge, winter road and at times, by air. There were many incidents of fuel spillage, some reported and some not.

Under an agreement between Indian and Northern Affairs Canada (INAC) and Ontario Hydro (now Hydro One), the diesel generation plants and the local distribution lines were paid for by INAC and then the ownership was transferred to Hydro One and then the operation, maintenance and administration (including the billing and collecting) was taken over by Hydro One.

One of the problems facing the communities was that the plants were never built large enough to accommodate future growth. Housing projects and the construction of water and sewage plants, schools, recreation facilities, and other infrastructure, were often delayed while waiting for the upgrades to the generation plants. Once the plants were upgraded, the capacity of the plants were exceeded as soon as housing projects were built and the communities had to wait until the next upgrade was scheduled before more building could take place. The scheduling for the upgrades to the generation plants was dependent on the budgets and priorities of INAC. The backlog for housing continued to be an ongoing problem. The chronic shortage of electricity presented an economic and social barrier to the development of the communities.

Moving Forward

The Mushkegowuk Council, with the leadership of the three Chiefs from Attawapiskat, Kashechewan, and Fort Albany, recognized this problem and undertook an Energy Study to

determine the best solution to this problem. Upon reviewing the different methods of generation including wind, solar, biomass, small hydro, diesel generation, or a combination of different methods, the conclusion was that an extension of Ontario's transmission system at Moosonee to the north was the most feasible solution to the problem. When the findings of the report was presented to Ontario Hydro, a high ranking official of Ontario Hydro indicated that they would not build a transmission line on the West Coast of James Bay. When the Chiefs learned of the lack of support from Ontario Hydro, they said that if they won't build a line, we will. At an Annual Assembly of the Mushkegowuk Council, a resolution was passed addressing this problem and supported the development and construction of a transmission line between Moosonee and Attawapiskat, also serving Fort Albany and Kashechewan. In September 1997, Five Nations Energy Inc. (FNEI) was incorporated under the *Canada Corporations Act*. FNEI selected SNC Lavalin Inc. to undertake a feasibility study in 1997 which was positive and the Chiefs decided to proceed with construction. A confidence report was completed by Stone & Webster on the technical and engineering aspects of the feasibility study and by Scotia Capital on the financial aspects. Both confidence reports confirmed that the project was viable which assisted in the financing which FNEI would require.

Omushkego Ishkotayo Project

The project consisted of approximately 270 kilometres of 115 kV high voltage line tied into Hydro One's facilities at Moosonee, and followed the existing winter road to the extent possible, passing through the traditional territories of the Moose Cree, Fort Albany, Kashechewan, and the Attawapiskat, First Nations. Substations were also constructed in Moosonee, Fort Albany, Kashechewan, and Attawapiskat. Clearing for the transmission line right-of-way began in March 2000 and pole construction started in December 2000. The line was energized and Fort Albany was connected in November 2001 and Kashechewan in December 2001. Construction of the section between Kashechewan and Attawapiskat was completed in March 2002 and Attawapiskat was connected in the fall of 2003.

Telecommunications

In the 1970's, the Ontario Northland Transportation Commission installed an analog microwave telecommunications system from Moosonee north which was the introduction to long distance telecommunications to the communities of Fort Albany, Kashechewan, and Attawapiskat, on the west coast of James Bay.

During the community consultations, there was much discussion regarding whether FNEI would improve the telecommunications system as part of the transmission project. This was necessary as the microwave system installed in the 1970's was obsolete and did not provide the communities and FNEI with the necessary advanced high speed broadband services available to Canadians and other transmission companies in Ontario. While FNEI contemplated including fibre optic cable in the original concept of the project, it was not financially feasible to do so at that time as FNEI faced enormous challenges in completing the financing for the transmission line project. To bring the project in line with available funding, the engineering design was modified (the spans and height of the poles) which would not accommodate a fibre optics line on the poles. There would have to be a separate dedicated pole line for the telecommunications line in the future.

In 2002, the Mushkegowuk Council completed the Western James Bay Telecom Feasibility Study which recommended the use of a fibre optic backbone in FNEI's transmission system to service the needs of both FNEI and the communities. The Mushkegowuk Council applied to federal and provincial funding agencies, but their applications were not successful. Attempts at having Ontera and Bell Canada assist in funding were also unsuccessful. In November 2005, FNEI signed an OPGW Agreement with De Beers Canada to incorporate fibre optics in the sky wire (ground) wire of De Beers' new line between Moosonee and Kashechewan at a cost of approximately \$1.6 million to FNEI. To connect FNEI's substation in Attawapiskat to the system, FNEI contracted Valard Construction to install loose fibre optic line on a separate pole line on the existing right-of-way between Kashechewan and Attawapiskat at a cost of

PICTURES OF CONSTRUCTION-MAINTENANCE OF THE FNEI TRANSMISSION LINE

(Pictures Courtesy of FNEI)



Special helicopter used to place top part of tower to bottom half of tower.



FNEI Transmission line running through the wilderness of James Bay.



FNEI Transmission Line crossing a river.



Pole Repair: a new pole is being put up and is no easy task-care, safety, for all involved, is at the forefront when doing this work!



Crew hard at work stringing up transmission lines.



The Brush Clearing Team working at clearing away brush from the poles, etc.

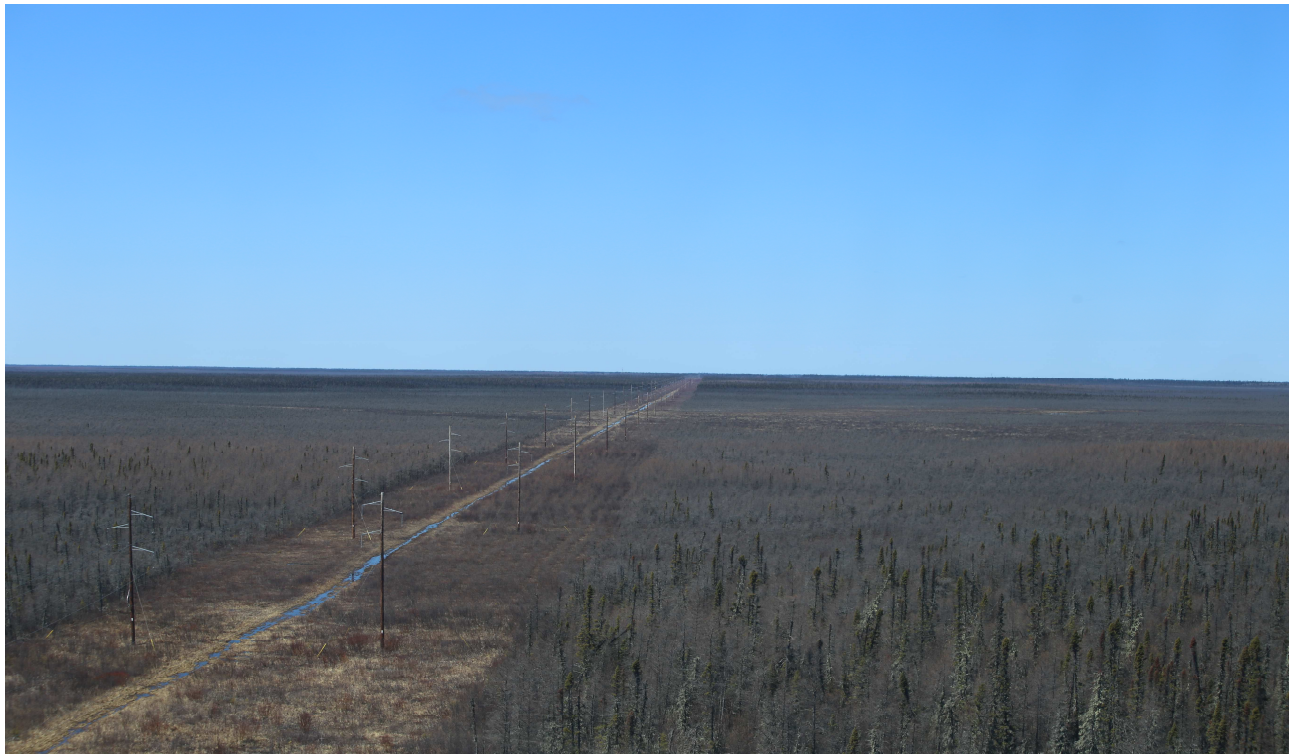
SOME SCENIC SHOTS DURING THE MAY, 2017, FNEI LINE PATROL VIA HELICOPTER-PAGES 12-13



Pictures of caribou during FNEI's Line Patrol in May, 2017!

(Pictures Courtesy of FNEI Employees sitting in a helicopter during their air patrol of FNEI's line!)





Top & Bottom Pictures: FNEI's Line running along into the distant horizon, and over rivers, etc.

(Pictures Courtesy of FNEI during FNEI's Line Patrol in May, 2017)



A BRIEF LOOK BACK AT HOW IT ALL STARTED & FNEI TODAY

!!!!OWNER COMMUNITIES OF FIVE NATIONS ENERGY INC.: Attawapiskat, Fort Albany, and Kashechewan, moving away from diesel generation to connect with the electricity grid in Ontario, and supplied by their Local Distribution Corporations via the Five Nations Energy Inc. Transmission Line!!!!. How's that for progress!!!!

To go back in history, many people did not think this would work, but there was one leader, who was Chief of his Community back then, *Chief Ignace Gull*, Attawapiskat First Nation, whose vision was to see a transmission line in his territory that would provide electricity to the remote First Nations in Western James Bay! And why not, and so it became a reality! If it were not for the sheer determination of Chief Gull, there would be no transmission line today in those Communities! But, Chief Gull, despite challenges, did not give up, and he spent a number of years garnering support for a transmission line that would eventually see the light of day (or light at night!) for three remote First Nations in the Western James Bay region, namely, Attawapiskat, Fort Albany, and Kashechewan.

Initially, Chief Gull had brought forth a resolution to the Chiefs of Mushkegowuk Council to have such a project of this magnitude be built for the Communities in Western James Bay!! The resolution passed, and the rest is history!! It only takes one person to realize a dream, a vision, and the success of it all is an all encompassing rewarding experience for all the members of the three First Nations, who, equally, are now sole owners of this transmission line called Five Nations Energy Inc. (FNEI). Therefore, this is a huge legacy for Chief Ignace Gull!! Mind you, he would not look at it that way, but rather an essential service for the people in Western James Bay, that the rest of us take for granted!! Persistence pays off!!

This important and precedent-setting project owned by First Nations in the Western James Bay region, is a big success!! Currently, it is the only licenced aboriginal-owned transmission company in Ontario, if not in Canada!! So, here we are, twenty years later, and this is an

important and great milestone worthy of mention!!

In 1997, after the resolution put forth by Chief Ignace Gull was passed by the Mushkegowuk Chiefs on this mega project, FNEI was set up as a Corporation. It had a Board of Directors of five which represented the three Community owners of Attawapiskat First Nation, Fort Albany First Nation, and Kashechewan First Nation. Moose Cree First Nation, and Taykwa Tagamou Nation, were provided honorary membership with one Director from each Community appointed to sit on the FNEI Board of Directors. This was because the line encroached onto their traditional territory. Thus the name, Five Nations Energy Inc. In June, 2004, the FNEI Board of Directors was expanded to eight Directors to include a 2nd representative from each of the three owner Communities. This was to also ensure there would be more technical expertise on the FNEI Board of Directors.

During this time in the 1990's, a Project Coordinator named *Mr. Ed Chilton*, who was working at Technical Services, Mushkegowuk Council, at the time, was also hired to lead the overall project, and he became very instrumental as the lead person, before, during, and after, the construction phase of the transmission line! He led the negotiations with the Design and Engineering contractors, government officials, financial institutions, and the regulatory body of Ontario, in addition to working with various partners, and all in the name of ensuring this all important project would move ahead, and above all, that the Communities in the Western James Bay region would benefit from it in the long term! With many challenges along the way, he would not take no for an answer from anyone, be it with government, with financial institutions, etc. Again, a show of persistence paid off in the end. The other initial project team members included Mr. Ernie T. Sutherland, the 1st FNEI President, and sadly, he passed on November 27, 2006; Mr. Merv McLeod, Ms. Nancy Wood, & Mr. Rod Reimer, McLeod Wood Associates. Mr. Rod Reimer eventually became the internal Advisor as Finance Controller for FNEI, and later was hired as an employee on April 1, 2015, and as

the Finance Controller.

Everyone's efforts are applauded, and now, the three remote First Nation Communities are connected to the Ontario grid!! Bravo to all involved to make this happen!!

FNEI Today:

Construction of the FNEI transmission line was completed on March 15, 2002, and today, the major activities involve maintenance to FNEI's line, and its substations, to ensure the power stays on for the Communities of Attawapiskat, Fort Albany, and Kashechewan. There are also planned outages to accommodate maintenance work on the line. At the same time, FNEI takes into account the changing needs of the Communities, ie: new school being built that requires electricity, and this is where the working relationship between FNEI, the Local Distribution Corporations (LDCs), the leadership, and other key stakeholders, in the Communities, is vital to ensure we provide those Communities with safe, reliable, and adequate electrical service. We also take into account technological advances not just in the Communities but in the electricity industry, to ensure FNEI keeps up to date. In addition to paying attention to environmental requirements, we also ensure we are adhering to strict regulatory requirements set out by the Ontario Energy Board (OEB).

Each of the Communities of Attawapiskat, Fort Albany, and Kashechewan, have their own Local Distribution Corporation (LDC), which also plays an important and key role in supplying electricity to the homes in their Communities. Therefore, the LDCs also have to adhere to strict regulatory requirements as a Distributor. For information purposes, and to distinguish between FNEI and the LDCs in the Communities, FNEI is strictly a transmitter (of electricity) and the LDCs are the Distributors (of electricity) in each of their Communities.

Another example of working together is the brush clearing of FNEI's line, and in this project, and other projects, FNEI works with the LDCs & the Communities to ensure their people, as much as possible, are part of the project team.

This provides Community members with employment during the project period, which is also an important aspect for the Community members! We also have to ensure we follow legislation on health, and safety, therefore, we also utilize professional people/trainers who ensure all safety regulations are followed, according to the Ministry of Labour regulations.

Rates Applications to the Ontario Energy Board (OEB):

Like any other licenced transmitter in the province of Ontario, FNEI also applies to the OEB every few years for an appropriate revenue requirement to operate and maintain FNEI's transmission system. The LDCs, as licenced Distributors, also apply every few years for their appropriate revenue requirement they require to operate their distribution system.

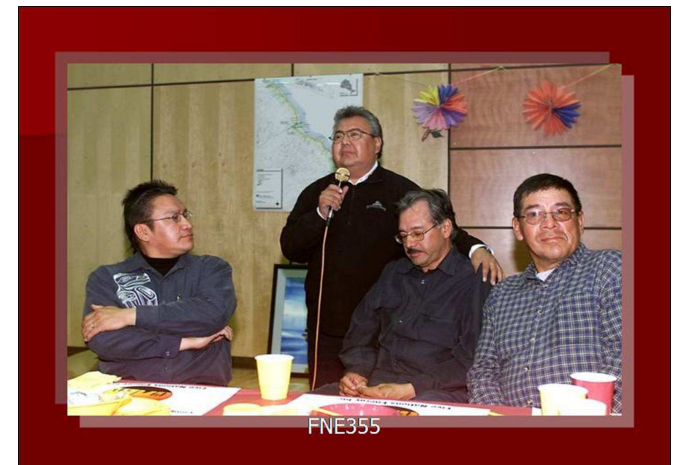
Milestones/Successes to Note Along the Way:

1. Fort Albany energized November, 2001;
2. Kashechewan energized December, 2001;
3. Attawapiskat energized December, 2003;
4. De Beers Victor Mine connected September, 2006;
5. Northern Ontario Business Award Recipient –October 18, 2007, and Timmins Chamber of Commerce NOVA award winner;
6. Numerous NADF business awards;
7. In 2009, FNEI moves to hire its own staff complement ie:1st Chief Executive Officer hired in January, 2009. Subsequently, a Maintenance Supervisor, Substation Electrician, and Electrical apprentices who, most, are aboriginal people from the James Bay area, are hired. To work at our substations in the communities, our apprentices are provided training to become certified Substation Electricians, and we currently have three certified Substation Electricians (two whom are aboriginal and originate from Moose Cree, and Winisk, First Nations!) When FNEI hires Substation Electrician apprentices, there is training on-the-job, and includes in-class training at a college, & other required training, to become certified as a Substation Electrician. FNEI has achieved to attract young aboriginal people in this field!! Most of our staff complement originates from the Communities of FNEI, which is quite an accomplishment to boast about!!
8. FNEI featured in a National Magazine called “Corporate Knights” in the spring of 2009!! The managing Editor wrote a piece on FNEI called, “Getting on the Grid”.
9. FNEI's Fibre Optic line: In November, 2008, the fibre optic telecommunications line was energized! This allows FNEI to monitor, remotely, its transmission system. High definition cameras were also installed at the three substations in the three remote Communities and this provides FNEI technical staff to remotely monitor the system for safety, and any problems that might occur. In addition, through the WJBTN (Western James Bay Telecom Network), the Communities now have high speed internet services for their homes, schools, hospitals, and businesses!
10. De Beers Asset transfer to FNEI, in December, 2010, the M9K transmission line from Moosonee to Kashechewan & the new substation in Kashechewan! (See picture on Page 34)
11. Construction finalized on the new FNEI office building in August, 2013, & Grand Opening took place on September 20, 2013!
12. FNEI re-acquires 80 kms of line north of Moosonee from Hydro One, on October 14, 2015!
13. Over \$25 million invested in capital assets since original construction was completed.

Some of the Initial Project Team Below taken in May, 2002:

Left to Right: Mr. Mike Metatawabin, then Chief, Fort Albany First Nation; Mr. Ernie T. Sutherland, 1st President of FNEI; Mr. Ed Chilton, FNEI Project Lead; Mr. Edmund Nakogee, Fort Albany First Nation member.

If you knew Mr. Ernie T. Sutherland, you would know he has a great sense of humour, and certainly was very good at getting people to Laugh!



See what we mean! Look below. Now, Chief Dan Koosees, Kashechewan First Nation, has appeared to the far right to join in the Laughter!



Footnote: Sadly, Mr. Dan Koosees, former Chief of Kashechewan First Nation, and former Deputy Grand Chief of Nishnawbe Aski Nation, passed away on December 12, 2012. He was also a supporter of the FNEI project!

(Pictures Courtesy of FNEI)

GRAND OPENING OF FNEI'S NEW OFFICE BUILDING ON SEPTEMBER 20, 2013



Sadly, we regret to report that Grand Chief Dr. Stan Louttit, Mushkegowuk Council, passed away on June 10, 2014.



Above: Dr. Stan Louttit, Grand Chief, Mushkegowuk Council, points to the sky to his left during his Welcoming Remarks at FNEI's Grand Opening.

Above: Here you see flocks of geese flying overhead during Dr. Stan Louttit's Welcoming Remarks!!



Above: Picture of some of the people who attended FNEI's Grand Opening of its new office.



Left: Another picture of the attendees. You might see yourself in there!

(Pictures Courtesy of FNEI)

GRAND OPENING OF FNEI'S NEW OFFICE BUILDING ON SEPTEMBER 20, 2013



Picture Above: Leadership & Award Recipients During Grand Opening of FNEI!

From Left to Right:

Award Recipient-Mr. Georges Quirion, J.L. Richards & Associates Ltd., Architects for the FNEI new office building; Ms. Lucie Edwards, FNEI CEO, & Mr. Mike Metatawabin, FNEI President; presenters to Award Recipients; Dr. Stan Louttit, Grand Chief, Mushkegowuk Council, who made his Welcoming Remarks at this Grand Opening; **Award Recipient**-Mr. Roger Rheault, Owner, Cy Rheault Construction Ltd, Constructors of the FNEI new office building; **Award Recipient**-Mr. James A. Wesley, Kashechewan First Nation & Former FNEI Vice President; Mr. Roger Archibald, Taykwa Tagamou Nation & FNEI Board of Director, accepting *Award* for Mr. Dwight Sutherland, Taykwa Tagamou Nation, and former FNEI President. **Footnote:** As of this writing, Ms. Lucie Edwards, and Mr. Mike Metatawabin, are no longer in their previous capacities at FNEI. We wish them well in their future endeavours!

(Picture Courtesy of FNEI)

CONGRATULATIONS TO THE RECIPIENTS & TO FNEI!!

FIVE NATIONS ENERGY INC. GRAND OPENING PICTURES

(Pictures Courtesy of FNEI)



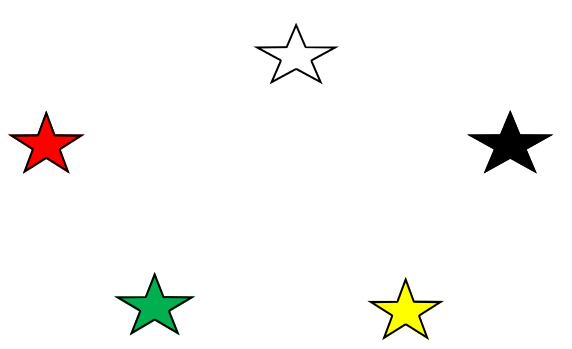
Above: Left to Right: MPP Gilles Bisson, Timmins-James Bay, Mrs. Elsie Chilton, who provided the Opening Prayer, and is the Mother of Late Mr. Ed Chilton, who was honoured at this special event; Mrs. Maureen Chilton, who is the widow of Late Mr. Ed Chilton; and Mr. Mike Metatawabin, President, FNEI.

Above: Late Mr. Ed Chilton, who was honoured at FNEI's Grand Opening of its new office building, which he was a part of before his passing. Ed, as many of you know, successfully and tirelessly lead the Omushkego Ishkotayo (FNEI) Transmission Line project from its initial concept to the completion of it!! These are legacies he leaves behind!! We thank him for all his heartfelt dedication, commitment, and all his efforts, which we applaud him for, and all for the benefit of the remote Communities that are now, to this day, connected to the Ontario grid via FNEI's Transmission Line!!

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FIVE NATIONS ENERGY INC. GRAND OPENING PICTURES



Above: Night picture taken of FNEI’s new office building. This is the culmination of efforts by FNEI to address the increasing need for more space, and with increasing staff requirements in the technical department, etc.

(Picture Courtesy of FNEI)

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Left: This is where the FNEI office is to be located-clearing of the land!

(Picture Courtesy of FNEI)

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FNEI ACKNOWLEDGES AND THANKS ALL INVOLVED IN THE REALIZATION OF A TRANSMISSION LINE IN WESTERN JAMES BAY!

FNEI also wishes to acknowledge the following for their expertise and involvement to realize a transmission line north of Moosonee, ON, in Western James Bay!:

First, The Mushkegowuk Communities & Leadership: What can be said, without their full support back in the 1990's for this mega project, FNEI would not be. Chief Ignace Gull, who was a Chief at that time in his Community of Attawapiskat, and is now back as Chief of Attawapiskat since 2016, and who acted on his dream and vision to have electricity in the Communities not powered by a diesel generator, but by an electrical transmission line! He worked for many years to make this a reality!! Hence, the Mushkegowuk Leadership passed a resolution to make this so! It was a recommendation by Chief Ignace Gull that someone has to lead this project moving forward, and Mr. Ed Chilton, who was working for Mushkegowuk Technical Services at the time, was chosen to lead this mega project!!

SNC Lavalin Inc.: FNEI entered into a turnkey contract with SNC Lavalin Services Ltd., based out of Montreal, Quebec, to build the transmission line with its contractor, Powertel Utilities Contractors Ltd. SNC Lavalin Inc. is the largest engineering firm in Canada, and have been involved in many large projects on a global scale! Without their support and assistance, the success of the FNEI Transmission line project has to be given to Mr. Satish Sud, Mr. Essam Farag, Mr. Lloyd Girman, Mr. Paul Dufresne, Mr. Steve Lindley, and Mr. Michael Novak, all from SNC Lavalin!

Powertel Utilities Contractors Ltd: This company is a Canadian company and has completed electrical installations in the eastern part of Canada. This company has been in existence since 1953 and has been involved in most of the major electrical projects in Northern Ontario! With their immense expertise in high voltage transmission, SNC Lavalin contracted with Powertel to build the FNEI line! The people to thank at Powertel for their much appreciated involvement are Mr. Wayne Gatien, President; Mr. Dean Gatien, Vice President; and Mr. Herb Grueger, Secretary-Treasurer!

McLeod Wood Associates Inc. Consulting Firm, Fergus, ON: As advisors to FNEI in the development stages of FNEI, this firm provided advisory services to FNEI. They also provide their services to First Nations. McLeod Wood Associates, specifically, was instrumental and successful in setting up and developing the Local Distribution Corporations (LDCs) in the three Communities that own FNEI! FNEI's current Finance Controller was also part of the McLeod Wood Associates firm in the early years, and all providing advisory services to the Omushkego Ishkotayo (FNEI) transmission project!

Power Budd, LLP, Toronto, ON: The law firm of Power Budd was the legal firm used in the early development stages of the Omushkego Ishkotayo transmission line. Mr. Peter Budd of Power Budd, LLP, was the Secretary of the FNEI Board of Directors until July, 2002. This legal firm provided legal advice and developed the corporate structure of FNEI.

Mr. Cecil MacDonald, 1st General Manager of FNEI: Mr. MacDonald was hired in May, 2001, as a General Manager for the Operations & Maintenance departments. This is a big responsibility, and with his background as an Electrician and Linesman, and work experiences in this field, Mr. MacDonald was able to take on the responsibilities, and having worked at Ontario Hydro in the past, he knew what was involved in running an electrical transmission company. In his trade, he was fortunate to have worked with the communities of Fort Albany, Kashechewan, and Attawapiskat, in a previous capacity. He was also instrumental in ensuring five aboriginal people from each of the communities that own FNEI were trained as qualified and licenced Linesmen!! The groundwork had begun before most of us who are here working at FNEI today, and this is a legacy Mr. MacDonald also left with us!! It takes people who care about FNEI, and the Communities, to endure the immense responsibilities to keep the power on in the Communities, not to mention keeping FNEI's doors open, and here we are 20 years later, and still going strong, with the support of our Communities and government!! Hats off to Mr. MacDonald for all his hard work, and another person who is applauded!!

Footnote: Sadly, Mr. MacDonald passed away on July 1, 2007.

FNEI ACKNOWLEDGES AND THANKS ALL OTHERS INVOLVED IN THE REALIZATION OF A TRANSMISSION LINE IN WESTERN JAMES BAY!

Continued from Page 25



Mr. Paul Goodwin: Back In June, 1998, there was a contest that FNEI put out asking for all artists, students, and community members, to design and submit a logo for the Omushkego Ishkotayo Transmission Line! Mr. Paul Goodwin, Kashechewan First Nation, won the logo contest!! This logo, to the left, is quite prominent, and appears on our letterhead, our promotional material, our signs, and also on our website!! Congratulations to Mr. Goodwin! You did an excellent job and now this logo is known to all!!

Ms. Alice Koostachin: In 1997-1998, a contest was announced to **"Name the Project"**, the transmission line project that is. As stated in the Spring issue of 1998, *"The Board of Directors at that time wanted to ensure the name reflected the unique nature of this project. This project was started by the communities, for the benefit of the communities, and will be owned by the communities."*

Thus, in the end, the name, **"Omushkego Ishkotayo"**, and submitted by Ms. Alice Koostachin of Attawapiskat, was selected as the official name for this mega project!! Congratulations again, Alice!!

There are others, of course, and too numerous to mention, who provided their input, from within the First Nations, and outside companies! We are only too grateful for their hard work towards realizing a transmission line north of Moosonee!! On behalf of FNEI, we, wholeheartedly, thank each and everyone of you for your dedication and hard work in bringing this mega project to fruition! It showed everyone that partnerships between First Nations, government, banks, various consultants, various contractors, all coming together towards a common goal, can be done, and it was done!! Bravo, Everyone!

Cree Translation Below on FNEI Acknowledges and Thanks All Others Involved in Realization of a Transmission Line in Western James Bay

σλα ΔC·βσρ·Δ ΔΰδU° P°P·αF∇·Δΰ ς°C αεΰδΓ·Δΰ Γρ·∇ β P ΔJFσρΓ β DΓ ΔC·βσσ· ΔΓσρ·P·Δ ΔΰδU·ΔΔηΛσ° Δΰ U αβVΔαΰ ηΓ°V

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Cree Translation on Conservation on the Coast Continued from Page 48

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PICTURES COURTESY OF FNEI



Some of the brush clearing team members pose for a picture on February 26, 2013, a few kms from Kashechewan.



Who remembers these signs?

You may have passed by these signs back when construction was being done on the FNEI Line.

ONTARIO MINISTER OF ENERGY MAKES A VISIT TO FNEI

(Pictures Courtesy of FNEI)



Here to the left, some of our employees, in their office, standing with the Minister of Energy, Honourable Glenn Thibeault, MPP, with the Ontario Liberal government! The Minister was kind enough to pay a visit to the FNEI office to tour our facility with our CEO, Mr. Pat Chilton, and our Operations Manager, Mr. Vladimir Govorov.

Left to Right: Mr. Stephen Firlotte, Substation Electrician; Mr. Michael Kataquapit, Apprentice Substation Electrician; MPP Mr. Glenn Thibeault; Mr. Robert Chookomoolin, Substation Electrician.



Above, a picture is taken with the Minister and his entourage, some FNEI Employees, and our Vice President, Ms. Albalina Metatawabin, standing to the right side of the Minister, and next to the Minister on the left side is former FNEI President, Mr. Mike Metatawabin. To the right of the Vice President, is FNEI CEO, Mr. Pat Chilton.

FNEI SUBSTATION ELECTRICIANS AT WORK



Above: Mr. Robert (Bobby) Chookomoolin working at the FNEI substation in Kashechewan!



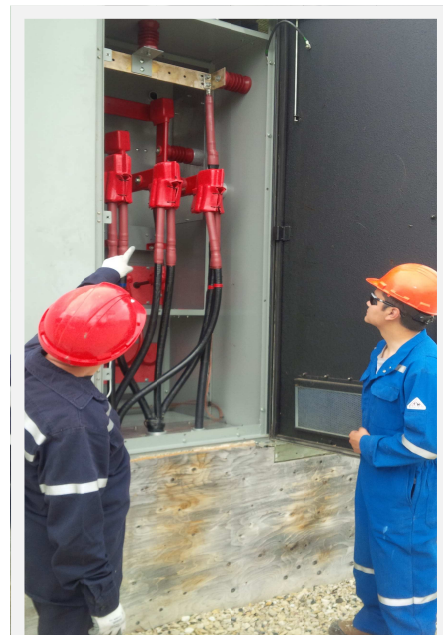
Above: Mr. Tony Iserhoff doing testing & maintenance at one of our substations.



Left: Mr. Stephen Firlotte at the Kashechewan FNEI substation- taking a picture break!



Above: Mr. Michael Kataquapit, Apprentice Substation Electrician of FNEI, learning about the power system of FNEI!



Above: Mr. Ryley Hardisty, on the right, who is now an Apprentice Substation Electrician of FNEI, learning on the job when he was hired as a student in 2015!

FNEI DIRECTORS IN 2010 SIGN TRANSFER OF DE BEERS ASSETS TO FNEI

Back when De Beers Canada built its mining operations, near the community of Attawapiskat, and according to a presentation that FNEI presented to the Board of Directors on December 17, 2010, it states that the, “FNEI line does not have sufficient capacity to supply the Victor Project with the required amount of electricity during periods of peak community demand.” Because of this, De Beers Canada applied to the Ontario Energy Board (OEB) and was granted permission to connect to the Ontario grid to have electricity for their mining operations. In order to accomplish this, De Beers made the decision to construct a transmission line from Otter Rapids to Kashechewan and to also upgrade the substations, as well as constructing a line from Attawapiskat to the De Beers mine, which De Beers paid for. Under the Transmission System Code (TSC) that electricity transmitters must adhere to, and according to the presentation made to the FNEI Board, “since De Beers did not want to be a licenced transmitter of electricity, De Beers and FNEI entered into a Connection Cost & Recovery Agreement as required by the TSC” and “which sets out the commercial terms and ownership of the new facilities which will be transferred to FNEI upon commissioning.” Therefore, on December 17, 2010, the FNEI Board signed the transfer agreement taking ownership of the De Beers assets!!



Left to Right: Back Row & Standing:

Mr. Steve Kataquapit, President, Attawapiskat Power Corporation; Mr. Alex Solomon, President, Fort Albany Power Corporation; Ms. Mary Williams, General Manager, Kashechewan Power Corporation & FNEI Director; Mr. Dwight Sutherland, FNEI Director from Taykwa Tagamou Nation; Mr. George Hookimaw, General Manager, Attawapiskat Power Corporation & FNEI Director; Mrs. Jessie Kooseses, FNEI Director from Kashechewan Power Corporation; Mr. Henry Kooseses, Chairperson, Kashechewan Power Corporation; Mr. Andrew J. Linklater, FNEI Director from Fort Albany Power Corporation.

Seated Left to Right: Mr. James A. Wesley, FNEI Vice President; Mr. Derek Stephen, FNEI CEO; Mr. Ed Chilton, FNEI Secretary/Treasurer; Mr. Peter Paul Martin, FNEI Director from Attawapiskat Power Corporation.

Footnotes: As you may be aware, we lost some people in the picture above, namely: **Mr. Peter Paul Martin** passed away on August 15, 2016; and **Mr. Ed Chilton** passed away on June 29, 2013.

(Picture Courtesy of FNEI)

MR. TONY ISERHOFF RECEIVES HIS SUBSTATION ELECTRICIAN'S LICENCE!!

Back in July, 2012, Mr. Tony Iserhoff was hired as an Apprentice Substation Electrician with FNEI while he was enrolled in the Construction Maintenance Apprenticeship Electrician program through Northern College in South Porcupine, ON.

After a few years in the Apprenticeship program with on-the-job training at FNEI, and with much hard work and determination, we are pleased to announce that Tony wrote and passed his Red Seal exam, and is now a licenced Journeyman Substation Electrician as of May 3, 2017!!

On behalf of the FNEI Board of Directors, and Staff, we offer congratulations to Tony on his successful completion of his apprenticeship program!! Tony continues to be employed with FNEI!!

Tony is a First Nation member from Moose Cree First Nation!



CONGRATULATIONS TO TONY!!

P P^CCTd-Δ? Δσ

Below, Tony proudly accepting his award on becoming a Licenced Substation Electrician, from Mr. Vladimir Govorov, FNEI Operations Manager, and Tony's Supervisor. Congratulations, Tony!!



(Picture Courtesy of FNEI)



PICTURES FROM FNEI'S 10th ANNIVERSARY IN 2007!

(Pictures Courtesy of FNEI)



Above: McLeod Wood Associates: Organizers of the 10th Anniversary of FNEI held December 13, 2007, at the Dante Club, in Timmins, ON. *Standing in the Back is Ms. Nancy Wood; Seated on the Right is Ms. Sue Hartwig, and to her right is: Ms. Stephanie Hajer.*



Above: Mr. Lawrence Martin, former Grand Chief of Mushkegowuk Council, was the Master of Ceremonies for this event.



Above: Left to Right: Deputy Grand Chief Leo Friday, Mushkegowuk Council, presenting framed Certificate of Congratulations on 10th Anniversary of FNEI to Mr. Ed Chilton, FNEI Secretary/Treasurer, *middle*; and to Mr. Mike Metatawabin, FNEI President, *on the right*.

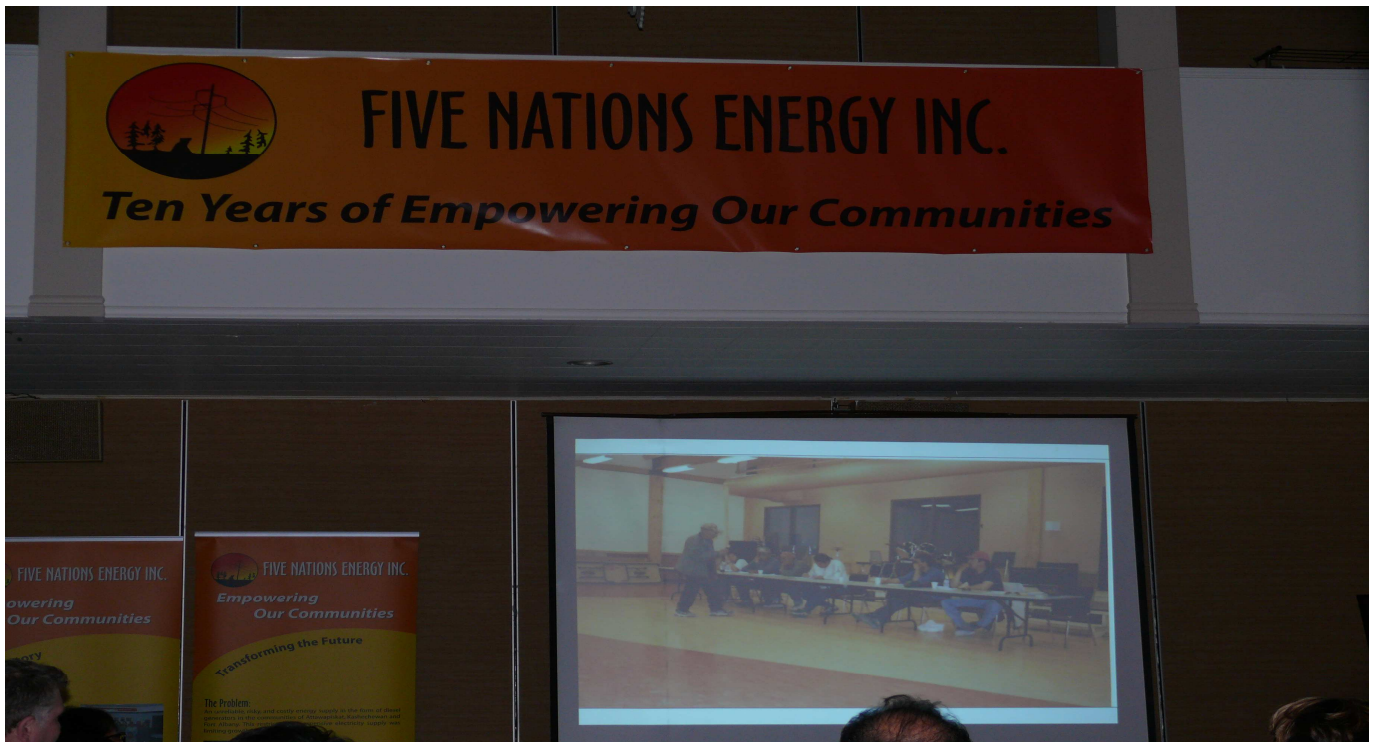


PICTURES FROM FNEI'S 10TH ANNIVERSARY IN 2007!

(Pictures Courtesy of FNEI)



Above: Ms. Anne-Marie Farrington, Air Creebec , presenting a very nice framed picture to Mr. Mike Metatawabin, FNEI President, at FNEI's 10th Anniversary celebration held December 13, 2007! This framed picture sits proudly in FNEI's new office building!



FNEI Community Donations 2017

Vezeina Secondary School Trip to Cambrian College, Sudbury, ON:

Each year, high school students at Vezeina Secondary School in Attawapiskat participate in a "Career Exploration" trip to Cambrian College in Sudbury, ON, to explore their career options! According to Ms. Mary Anne Davis, Head of Guidance, at Vezeina Secondary School, the students are provided this opportunity to explore various college programs in technical, health, and art. This gives an opportunity for students to engage and participate in workshops to learn how to select which program they would like to enter into at the college level. This also provides students with an opportunity to learn how to transfer college courses to the university level. This also provides the students with valuable experience what college life is about. On behalf of FNEI, we applaud the Vezeina Secondary School in providing this opportunity each year to their high school students!! We wish these students the very best with their future career opportunities!!

Fort Albany First Nation-Youth Council Annual Gathering at Youth Cultural Camp:

The Fort Albany Youth Council has taken a positive step in establishing a Youth Cultural Camp where Youth and their families can come together in celebration of being out on the land, and to bring back that connection to the land. This is the 2nd annual Youth Cultural Camp being held August 18-20, 2017! The Youth Council will also provide various relevant workshops to instill the knowledge to the young people! We wish the Fort Albany Youth Council the very best with this initiative that will become an annual event for the Youth, and their families!!

Kashechewan Health Services: Annual Weight Loss Challenge Program:

Due to the success of the Weight Loss program last year, the Kashechewan Health Services has again initiated this Program for their Community Members this year in 2017!! As Ms. Esha Wynne, Community Health Representative, Kashechewan Health Services, states, "the program was a huge success last year. A number of people also lost a lot of weight, which the Health Services was surprised with the amount of good results attained!! She further states, "This is a new program in their community, and every year the list grows with people diagnosed with diabetes, and that the Health Services was concerned with this, which is why they want to continue this program so their people can continue to live a healthy lifestyle." In addition, Ms. Esha Wynne notes that the Health Services has a Diabetes Lay Worker who is working with the people to educate them about Diabetes. Bravo to the participants, and to Kashechewan Health Services!! On behalf of FNEI, we wish them the very best with this very important program for their members!!

10th Annual Mushkegowuk Challenge Cup 2017:

Every year, for the past ten years, the Mushkegowuk Tournament Co-ordinating Team has organized and held the Annual Mushkegowuk Challenge Cup Tournament that sees many hockey teams from the Mushkegowuk communities, and other communities, participate in. This is a tournament that promotes the positive and happy experiences of Youth in sports. This tournament also fosters relationships with other community Youth, and for the family unit, to live a healthier lifestyle. According to the organizers, hockey teams from the communities participating in this

tournament, has grown from ten teams when the tournament first started to about fifty teams!! These hockey teams which participated in the 2017 Mushkegowuk Challenge Cup are the Taykwa Tagamou Nation Polar Bears; Taykwa Tagamou Nation Bantam Team; the Fort Albany Niskak, eight teams from the Attawapiskat Minor Hockey League, to name a few.

According to the organizers, this event, held in Timmins, ON, February 24-25-26, 2017, and annually, boosts the economy in Timmins during this event! These include hotels, restaurants, stores, gas stations, other companies, etc., which benefit from the influx of money to their businesses, etc. As stated in their letter titled, "Search for Sponsors", "the objectives of such an event include:"

- * To promote the need to practice our cultural values and teachings;
- * To provide greater opportunities for strengthening our spirit, mind and body;
- * In the spirit of goodwill and unity, to have fun;
- * To strengthen existing bridges and to build new bridges between all communities and organizations, and;
- * To promote the need to live healthier lifestyles."

Congratulations to the 2017 Mushkegowuk Cup Tournament Co-ordinating Team for another year of a job well done, and to all the teams which participated!!

Kattawapiskat Grade 8 School Trip:

The Grade 8 graduating class of 2017 at Kattawapiskat Elementary School in Attawapiskat are venturing out of the community for a much deserved annual School trip! This school trip is a way for the students to learn what else is out there

Conservation on the Coast 2017—a Year in Review Submitted by Ms. Gail Lawlor, Program Manager



Conservation on the Coast 2017 - a Year in Review

The Conservation on the Coast (COTC) program is in its third summer of retrofitting homes to make them healthy, comfortable and energy efficient. The Power Corporations’ conservation programs continue to be implemented in all three communities and the Community Energy Plan process is drawing to a close with the production of a video highlighting the COTC work.

Attawapiskat, Kashechewan, and Fort Albany, Power Corporations are required, as a condition of their operating license, to offer conservation programs to their customers. This is no different than any other power corporation in Ontario. The Power Corporations are working with FNEI to deliver these programs.

The most visible program is the extensive energy retrofit of 10 homes per year in each community. The energy retrofit includes: detailed air sealing of the attic floor and exterior walls; taped air barrier and foam board (R 7.5) insulation on the exterior walls and foundation; and, attic insulation (R-50).

To improve the health and safety of the occupants, COTC also installs plastic, sealed at all the seams, over the earthen crawlspace floor to stop moisture migration into the house. A “fresh air machine”, otherwise known as a Heat Recovery Ventilator or HRV is installed to maintain a healthy moisture level, which automatically controls mold growth, and provides an exchange of stale house air with fresh outdoor air. Operating

an HRV continuously during the heating months is one of the best ways to keep a family healthy. When installed correctly and properly maintained an HRV uses the equivalent of one 60-Watt light bulb. That is a very small energy cost to pay for continuous fresh, clean air and controlled moisture levels in order to prevent mold. Mold is simply a moisture problem. With no condensation on windows and in cold corners, mold cannot grow, making homes healthier and safer.

The homes chosen for the energy retrofit work must meet the following criteria:

- ⇒ high volume air leakage, as determined from the blower door test;
- ⇒ substandard insulation levels in the attic and exterior walls;
- ⇒ must have a solid foundation;
- ⇒ and roof that is in good condition (not leaking)

COTC works collaboratively with the respective Housing Managers to coordinate any needed foundation and roof repairs before the energy retrofit work is started and with homeowners who are providing “sweat equity” in other areas of their home.

By the fall of 2017, approximately 30 homes per community will have been retrofitted, resulting in healthier indoor air, greater comfort, and lower energy bills. The plan is to retrofit an additional 20 homes in each community over the next two years (2018 and 2019). Community members who have had the air sealing and insulation work done have reported that their home is much more comfortable, the indoor air smells clean and fresh, and they are burning less wood and using less electricity to

keep their home warm. One person even said they stopped burning wood as it is now cheaper (and easier) to heat with electricity!

There is a local work crew, foreman and a Conservation Coordinator, in each community doing the energy retrofits. Assisting the local staff and managing the conservation programs on behalf of the three Power Corporations is Craig Nootchtai, and providing ongoing technical assistance are Rick Brant and Gail Lawlor.

The Community Energy Plan (CEP) process has been ongoing over the past three years with multiple meetings with Chiefs and Councils, the youth and community members. In general, a CEP looks at opportunities for communities to reduce the amount of energy used, ways to use energy more efficiently and to explore the viability of producing energy from renewable sources.

Emerging key themes, as noted in our community consultations, include:

- ⇒ the need to build local capacity of skilled trades
- ⇒ explore options to resolve shifting foundations
- ⇒ improve housing through the implementation of housing policy (for building new homes and maintaining existing homes), and
- ⇒ explore renewable energy opportunities

COTC has addressed some of these ideas through the annual training of our retrofit crews on HRV installation and general maintenance training for housing. The COTC staff share research on different foundation systems that work with wet soils, and encourage the development of local

Cree Translation on Conservation on the Coast Continued from Page 47

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Conservation on the Coast Pictures Courtesy of Ms. Gail Lawlor



Above: The Conservation on the Coast Kashechewan crew busy retrofitting a home in Kashechewan!



Above: Video Filming in June 2017, in Fort Albany, of the Conservation on the Coast Fort Albany crew in action-they are busy retrofitting a home.

FOCUS ON FNEI'S LONG STANDING CONTRACTORS

FNEI also wants to acknowledge those contractors who provide their services to FNEI on an annual basis. **Mr. Jim Quinn**, who has been with FNEI for many years, has professional qualifications, and gained much experience having worked for Hydro One in the past. He has been very helpful with the Local Distribution Corporation (LDC) employees to assist in training them as linesmen. Because we all have to adhere to safety regulations as per the Occupational Health & Safety Act, the Ministry of Labour Code, Mr. Quinn ensures his project team is trained in all aspects of working safe. Mr. Quinn, the past few years, has led and supervised the Right of Way Clearing project for FNEI. This project employs people from the Communities and also utilizes the LDC linesmen. Many kilometres of FNEI's transmission line has been brush cut, and this work can only be done in the winter months when the mushkeg is frozen. Otherwise, heavy machinery would just sink into the ground.

Mr. Jacques Camirand has also worked for FNEI for quite a number of years going up to the Communities on various projects for FNEI. He also works with the Band offices when he needs to hire community people for the FNEI projects such as repairing erosion sites by FNEI's transmission line; building berm walls for tower protection, and has also assisted in the installation of the fibre optic shelters in the Communities. Mr. Camirand also performs maintenance and upkeep of FNEI's substations in the three Communities. Working in the owner Communities has provided Mr. Camirand an opportunity to build a good working relationship with the LDC General Managers. As Mr. Camirand puts it, *"Safety for the employees is always a priority."* Therefore, as supervisor of the FNEI projects in the Communities, he is well trained in Electrical Safety and Flash Awareness; High Voltage Safety and Maintenance.

On behalf of FNEI, we very much thank Jim and Jacques for their continuing contribution and hard work for FNEI!



Left: The Line brush cutting team pictured here with Mr. Quinn-See his name on his coat!

(Picture Courtesy of FNEI)



WILDLIFE THAT SOMETIMES SHOW UP AT FNEI'S PROPERTY!



Left: Here you see a Mother Bear and her three cubs rushing away from our office building when they got spooked when one of our employees went out to take their picture!

(Picture Courtesy of FNEI)



This Bear to the left, and a big one at that, came for a visit in June , 2015, and was certainly fortunate enough to make it on the front page of our 2015 FNEI Annual Newsletter! He has no idea so many people saw him! You gotta be at the right place at the right time!

(Picture Courtesy of FNEI)



Posing for a picture is this Groundhog, who decided to perch on top of one of the stones by the FNEI office front door!

(Picture Courtesy of FNEI)

In Memoriam:

FNEI ACKNOWLEDGES ITS HEARTFELT THANKS & RESPECTS TO THOSE WHO LEFT US TOO SOON AND WHOM HAVE ALSO MADE FNEI WHAT IT IS TODAY!

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Chief Arthur Scott, Fort Albany First Nation, 1st FNEI Director

Passed July 24, 2010

Dr. Stan Louttit, Grand Chief, Mushkegowuk Council

Passed June 10, 2014

Mr. Ed Chilton, FNEI Project Lead and Secretary/Treasurer

Passed June 29, 2013

Mr. Fred P. Wesley, FNEI Director from Attawapiskat Power Corporation

Passed August 2, 2014

Mr. Peter Paul Martin, former FNEI Director from Attawapiskat Power Corporation

Passed August 15, 2016

Mr. Larry Brooksbank, former FNEI Technical Advisor

Passed August 23, 2014

Mr. Ernie T. Sutherland, 1st FNEI President

Passed November 27, 2006

Mr. Cecil MacDonald, 1st FNEI General Manager

Passed July 1, 2007

Mr. John Sucee, 1st FNEI Operations Manager

Passed September 8, 2011

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, DO NOT TOUCH 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>



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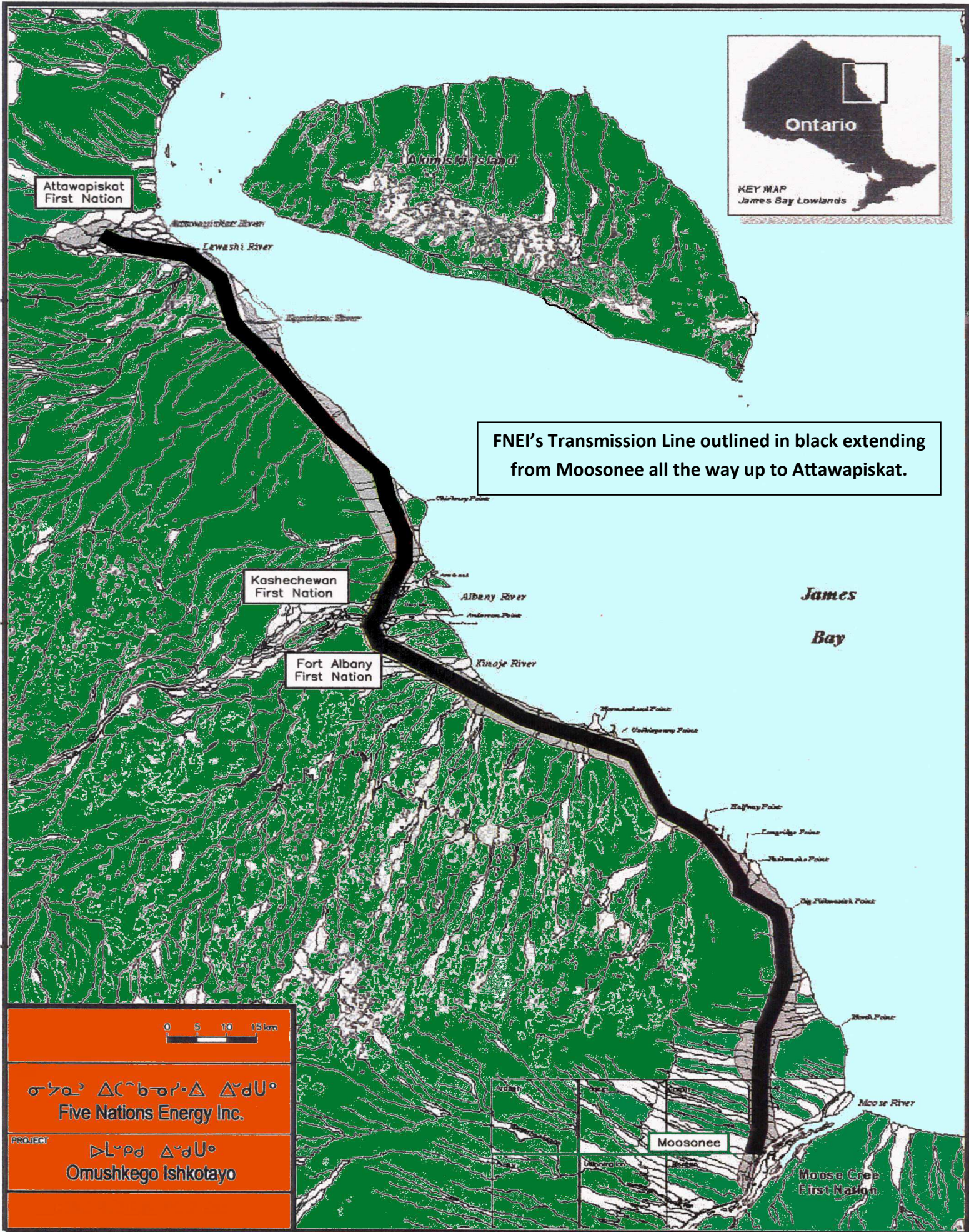
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<http://www.aboutkidshealth.ca/EN/JustForKids/Life/ElectricalSafety/Pages/default.aspx>



FNEI's Transmission Line outlined in black extending from Moosonee all the way up to Attawapiskat.

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Five Nations Energy Inc.

PROJECT ᐃᓄᓄ ᐃᓄᓄ^o
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