

# CONSTRUCTION UPDATE

SUMMER 2019



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## Henvey Inlet Wind project nearing completion

With warmer temperatures on the horizon, construction teams on the Henvey Inlet Wind farm and the Transmission Line have been hard at work onsite.

Significant work was completed over the winter season: road work has been completed, turbine foundations have been poured, cable has been installed and turbines are being erected throughout the area.

We completed work on the transmission line in mid-April and the project is on track to be completed this summer. Once complete, the project's transmission line will bring



energy to the Hydro One Network in Parry Sound, producing enough clean energy to power 100,000 homes across the province every year.

The project first came to fruition in 2014, when the Nigig Power Corporation - Henvey Inlet First Nation's development corporation - partnered with Pattern Development to jointly

develop the Henvey Inlet Wind project. Henvey Inlet Wind is the first renewable energy project ever developed under a First Nation's land code, with construction having officially begun in 2017.

As the largest wind project in Ontario - and the largest First Nation project in Canada - construction of the Henvey Inlet Wind project has

created more than 1000 jobs during peak construction activity. The project will also provide a long-term, stable revenue source for Henvey Inlet First Nation - revenue which can be used to expand band services, reinvest in local business expansion and conduct new research and development opportunities.

To find the latest construction updates on this project, please visit the "Latest News" section of our website at: [www.henveyinletwind.com](http://www.henveyinletwind.com)

## Benefits of Henvey Inlet Wind

**100,000**



Produces enough clean energy annually to power 100,000 Ontario homes.

**Partnership**



A first of its kind, this is the largest First Nation wind partnership project in Canada

**200,000**



Offsets 770,000 tonnes of CO2 annually, equivalent to taking 200,000 cars off the roads.

**24,000**



Conserves enough water annually to meet the needs of about 24,000 people.

↪ When compared to coal-fired generation. ↩

## Henvey Inlet Wind in the Community:

We care about our region and continue to play an active role in supporting and investing in our community.

### We proudly support:

- » Henvey Inlet First Nation's Traditional Pow Wow
- » Britt Public School
- » Park to Park Trail Association
- » Shawanaga First Nation Traditional Pow Wow
- » Municipality of Killarney - Fire Safe Program
- » Henvey Inlet First Nation Food Bank

If you have any suggestions for community sponsorships or local causes which would benefit from support, please contact: **(855) 464-9872** or by email: **info@henveyinletwind.com**

## Magnetawan First Nation



Magnetawan First Nation is located about 63 kilometres north of Parry Sound off Highway 69. The Anishinabek community is a signatory of the 1850 Robinson Huron Treaty. Magnetawan is home to about 95 of it's citizens and has a total membership of 275.

Magnetawan First Nation is easy to find along the corridor, as there is an Esso station and Tim Horton's at the entrance to the community.

Chief William Diabo is the current leader of the First Nation along with two Councillors: Samantha Noganosh and Rose Cardinal. Elections are held every two years and the First Nation is a Land Code community, meaning it enacts its own Land Laws.

The community is also known for it's extensive Species-At-Risk program: The Indigenous Community- Based Climate Monitoring program. The program is a blend of Anishinabek traditional knowledge and western science.

## Shawanaga First Nation



Shawanaga First Nation is an Anishinabek community located off Highway 69, about 30 kilometres north of Parry Sound. Shawanaga is a signatory community of the 1850 Robinson Huron Treaty.

The community is comprised of three areas: Shawanaga First Nation, Shawanaga Landing and Naiscoutaing. There are just over 200 people who reside on the First Nation, with a total membership of 608.

Shawanaga has a gas bar and convenience store located at the entrance. Infrastructure in the community includes a school, Healing and Recreation centres, administration building and fire hall. The community also hosts an annual Pow Wow in August.

Shawanaga is an Independent First Nation and follows its own Constitution, with elections held every four years. Chief Wayne Pamajewon is the current leader along with five Councillors including Sherrill Judge, Patricia Pawis, Richard Jason, Dan Pawis, and Alfred Stevens. Shawanaga also has its own Land Code and enacts its own laws in respect to their Land.





## The long road home: Delivering wind energy to the Georgian Bay region

Community residents have likely seen Vestas wind turbines being installed throughout the Henvey Inlet Wind farm. At 3.45 Megawatts, each of the farm's 87 turbines will stand about 132 metres tall, with blades stretching out over 67 metres long. But some locals may wonder how exactly these incredible objects got here in the first place.

Perhaps you've seen the large turbine blades in transport either by rail or truck across Ontario. Due to the sheer size of the turbines, each turbine tower is split into sections for transporting. These include seven separate tower sections, three blades, a Nacelle, a drivetrain and smaller loads for things like stairs and hub covers. The components for the turbines are shipped throughout North America into a port in Quebec where they officially

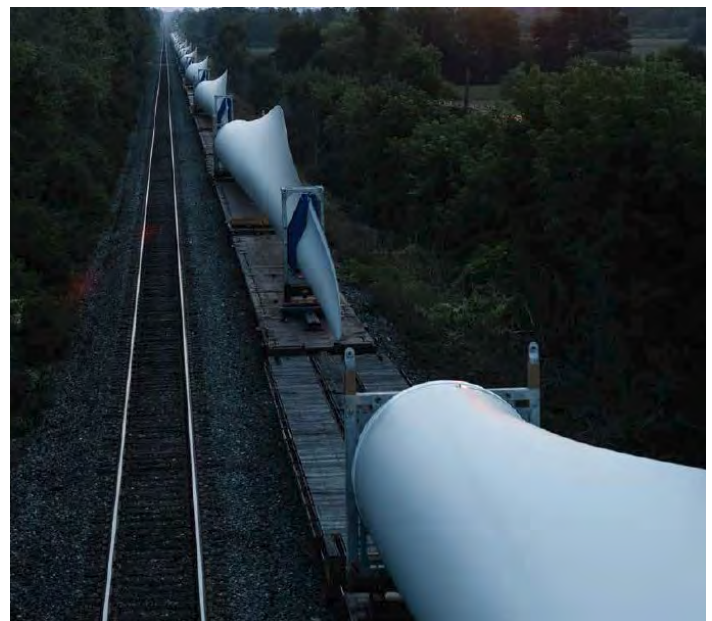
begin their journey to Sudbury.

Canadian Pacific Railway (CP) has been working closely with Henvey Inlet Wind's turbine company Vestas to ensure the turbines make it to Sudbury. In fact, recent movement of the Vestas blades by CP has broken the company's record for longest and largest wind components ever moved by CP railroad.

Once the components arrive in Sudbury by rail, they are placed on Belmar trucks for the final leg of their journey. Industry information confirms that some of the transport trucks are specifically designed to carry the large turbine parts - these include multi-axle "Schnabel trailers", in which the turbine's tower section becomes part of the vehicle, as well as extendible cradles to carry the blades.

It takes around seven rigs to deliver each commercial-size turbine. Once they are onsite, the wind turbine parts are carefully maneuvered through local service roads and are dropped off at a turbine pad on the Henvey Inlet Wind farm to await the final step in their journey: turbine erection.

Vestas designs, manufactures, installs, and services wind turbines across the globe. With 101 GW of wind turbines in 80 countries across the globe, Vestas has installed more wind power than anyone else in the world.





## Protecting Biodiversity

Wind energy is one of the cleanest and most reliable energy sources in the world. Every day, in more than 80 countries around the world, turbines are harnessing the wind's power and transforming it into the environmentally safe energy we need to run our devices and heat our homes.

The Henvey Inlet Wind project is championing environmental sustainability by taking these values one step further. Protecting biodiversity, including local species, is critically important in the region as it is home to various species of turtles. These include the Blanding's Turtle, the Eastern Musk Turtle, the Painted Turtle, and

the Snapping Turtle. Many of these turtles are categorized in several different 'at-risk' designations.

AECOM has been tasked with ensuring that environmental mitigation measures are being adhered to on the Henvey Inlet Wind project and the Transmission Line. One of AECOM's most significant local initiatives is its turtle nesting and incubation program. When workers on the project comes across a nesting turtle, the eggs are carefully removed by trained monitors and brought to Magnetawan First Nation for incubation. When these eggs hatch, hundreds of baby turtles are released into the wetlands closest to



where their original nest was laid. The artificial incubation process provides these baby turtles with higher survival rates because they are better protected from predators.

Sepi Ghafouri, a Qualified Biologist at AECOM, has been working on the project since before construction began. "The fact that we're able to work with Magnetawan First Nation to set up an incubation facility and work with community members has been a really unique aspect of this project," Ghafouri says.

Henvey Inlet Wind purchased and supplied the incubation equipment for the turtle incubation station in Magnetawan First Nation. The Anishinabek community, south of Henvey Inlet Wind, is known for its studies and work on Species-At-

Risk and has a number of trained community members to handle the special amphibians and reptiles.

"Along with working with Magnetawan community members, the most rewarding part of this project is being involved in excavating the eggs, and after hatching, releasing the baby turtles into the environment," adds Ghafouri.





## Taking care of business: E. Corbiere and Sons on the job constructing wind farm, transmission line

E. Corbiere and Sons has played a key role on the Henvey Inlet Wind and Transmission Line construction teams. The company, based out of M'Chigeen First Nation on Manitoulin Island, is certainly not new to working in the wind industry: Curtis Corbiere, who owns the company alongside his brother Aaron Corbiere, has worked on three other wind farms which were also First Nation jobs.

Workers at the company have diverse skillsets and provide a wide variety of services to the region. On the Henvey Inlet Wind work site, E. Corbiere and Sons has been crushing rock, building roads and excavating. On the transmission side, the company has provided support in floating for large equipment and

pole erection, as well as environmental and erosion work for PowerTel.

Vic Dumas, Project Sponsor with PowerTel, has high praise for E. Corbiere and Sons. "They've filled in every gap we've had in our project and the quality of what they do is terrific. Since they've been here, they've had really talented people on our job sites, from carpentry to security, to their work in construction," Dumas says. "They're a 100% First Nation company and are outstanding at what they do. They hire a lot of local talent, and it has truly been a win-win for all of us," added Dumas.

The pace of work is fast for both the wind farm and the transmission line, a challenge that Curtis Corbiere says the company of more than fifty



employees is meeting. "I like that it's a First Nation project. It's a really big project - there's a lot of tight deadlines but it's been a great place to work."

Construction on the transmission line and wind farm is slated to be completed in 2019. After completion, Corbiere says that "E. Corbiere and Sons is hoping to get into clearing for a mining project, more transmission line work as well as civil construction."





## About Nigig Power Corporation

Nigig Power Corporation (Nigig) was established in 2010 and is wholly owned by Henvey Inlet First Nation. Greg Newton is President of the corporation, which is overseen by two board members.

Nigig secured the largest feed-in tariff (FIT) contract in Ontario and is constructing the largest First Nation wind facility in Canada. The Henvey Inlet Wind project has a 20-year Power Purchase Agreement with the Independent Electricity System Operator.

Henvey Inlet First Nation is an Anishinabek community comprised of three separate reserve properties. Henvey Inlet Reserve No. 2 is on the northeast shore of the Georgian Bay, 90 km south of Sudbury and 71 km north of Parry Sound. French River Reserve No.13 is 11 km north of the Reserve No. 2 and includes Cantin Island. The Henvey Inlet Wind project is located on Henvey Inlet Reserve No. 2. There are about 900 enrolled Members of the Robinson-Huron Treaty band with approximately 200 of those residing on-Reserve.



## About Pattern Canada

Pattern Canada is the country's largest operator of wind power with more than 1,500 MW of wind power installed across the nation.

We are based in Toronto and operate nine wind facilities located in Ontario, Quebec, Manitoba, and British Columbia. Construction of these facilities involved approximately 3,000 Canadian workers and more than 100 managers and technicians are operating and maintaining the sites today.

Our facilities are investing more than \$25 million into Canada's economy every year through property taxes,

landowner royalties, and community benefit programs. The community benefit programs are contributing millions of dollars to local initiatives, as well as to environmental, educational, and indigenous causes.

Some examples include South Kent Wind funding substantial upgrades to the local municipal airport; Meikle Wind contributing annually to the Tumbler Ridge Global Geopark; Grand Renewable Wind donating to the local Hobbitstee Wildlife Refuge; and Armow Wind providing annual educational scholarships to Historic Saugeen Métis students.



## Meet Our Team

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**Greg Newton,**  
*President of Nigig  
Power Corporation*

Greg Newton is excited to have recently been promoted to the position of President of the Nigig Power Corporation.

The devoted Henvey Inlet First Nation community member and life-long local resident believes the Henvey Inlet Wind project has had an incredibly positive impact on the region.

The project is a first-of-its-kind venture, as it is both the largest wind project in Ontario, as well as the largest First Nation wind partnership project in Canada. "This green energy initiative will pave the way towards a self-sufficient community," says Newton. The project will provide long-term, stable revenue for Henvey Inlet First Nation - revenue which can be used to expand band services and reinvest in local business expansion.



**Chris Campbell,**  
*Wind Technician*

Chris Campbell hails from Moberly Lake, British Columbia and is Cree from Saulteaux First Nation.

Campbell is a wind technician working nights on the project for Kikinaw Energy, a Cree-owned company sub-contracted to Vestas. Kikinaw means 'Our Home' in Cree.

Campbell got into the wind industry just over four years ago. "I feel good at the end of the day because I'm working in green energy," he says. Campbell first came aboard the Henvey Inlet Wind project after discovering the uniquely First Nation's project. "The fact that the wind farm is being built by a First Nation's community is very cool and I wanted to be part of this amazing experience."



**Melissa Bob,**  
*Environmental  
Monitor*

Melissa Bob is an Environmental Monitor with PowerTel working on the transmission line at Henvey Inlet Wind.

As an Anishinabek citizen, working outside on the Land is important to her. "I'm seeing how Mother Nature bounces back, providing the opportunity for new life to grow," she says. Bob wears two hats - in addition to being an Environmental Monitor onsite, she also proudly provides cultural awareness training to workers on the project. Providing the training has given her the opportunity to share her personal story, along with Anishinabek culture and history.



**Jennifer Pereira,**  
*First Nation Liaison  
and Field Liaison*

Jennifer Pereira is an Anishinabe Kwe from Henvey Inlet First Nation who has been involved with the Henvey Inlet Wind project since its inception. Currently, she works for AECOM as a First Nation Liaison and for our general contractor CER as a Field Liaison.

Jennifer is a strong advocate for green energy and couldn't be more proud that her community is building a wind farm that will contribute to a cleaner environment for generations to come. "I'm so excited for Henvey Inlet Wind to be generating power in a sustainable way," Pereira noted, "I love that this project is in line with Anishinabek cultural principles."

## Contact Us

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Visit our website:  
[henveyinletwind.com](http://henveyinletwind.com)

We enjoy meeting with members of our community and are interested in hearing ideas on ways we can better collaborate and engage with the region. Please let us know if you have suggestions for community sponsorships or local causes that we could support.

For more information on the Henvey Inlet Wind project, please contact:  
[info@henveyinletwind.com](mailto:info@henveyinletwind.com) or call 1-855-464-9872





## Did you know...

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Wind energy is one of the cleanest and most reliable energy sources. Every day, in more than 80 countries around the world, turbines are harnessing the wind's power and transforming it into the energy we need to run our devices and heat our homes. There are a number of benefits associated with this incredible technology, including:

- Wind power is safe, clean and reliable
- Wind power stimulates local and regional economies
- Wind energy projects create local jobs
- It benefits the environment and helps us fight climate change
- Wind projects are compatible with mixed land use

