



OKANAGAN WIND

NEWSLETTER **DECEMBER 2018** * 49.9899° N, 120.1005° W



Artwork by Phoenix Manuel (Grade 4 – N'kwala School)



Welcome to Okanagan Wind

Okanagan Wind is the first wind power facility in the Okanagan region of British Columbia. Located on Crown land, the two project sites were developed in collaboration with the Upper Nicola Band, Westbank First Nation and the Penticton Indian Band.

The Okanagan Wind projects represent 4.3% of British Columbia's installed wind capacity, helping to green the province's electricity grid.

The Okanagan Wind projects were developed by Zero Emission Energy Developments, Inc. and are sponsored by InstarAGF Asset Management Inc., a Canadian-based owner and operator of essential infrastructure assets.

Our mission is to deliver clean electricity as safely and efficiently as possible, with maximum value to our stakeholders and the local economy.

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TOTAL INSTALLED CAPACITY IS 30 MEGAWATTS



ELECTRICITY IS SOLD TO BC HYDRO UNDER A 40-YEAR PURCHASE AGREEMENT



OVER THE COURSE OF CONSTRUCTION AN ESTIMATED \$20 MILLION WAS INVESTED IN LOCAL BUSINESSES



THE 10 SENVION TURBINES HAVE A HUB HEIGHT OF 100 METRES



THE FACILITIES GENERATE APPROXIMATELY 100,000 MWH ANNUALLY: ENOUGH ELECTRICITY TO POWER THE EQUIVALENT OF APPROXIMATELY 9,000 HOMES



Happy Holidays from Okanagan Wind

This September, Okanagan Wind was delighted to welcome its first student tour, hosting 24 students and staff from the Upper Nicola Band's N'kwala School for an informative, educational tour of the wind power facilities at the Pennask site.

Based on their time with Okanagan Wind site manager Stephen Chai and Senvion site supervisor Sacha Gagnon, students submitted names, drawings and essays for the 30-megawatt turbines. Ranging from grade 4 to grade 12, three student submissions from our First Nations partners will be selected to name each of our 10 turbines. We are proud to feature the winning artwork and essay submission, and congratulate Phoenix Manuel (grade 4) and Antoine Gregoire (grade 6) on their fantastic work!

With this successful inaugural tour, Okanagan Wind will continue engaging the local community, and informing and inspiring students with the merits of renewable energy, collaboration and environmental stewardship.

Working Together

By: Antoine Gregorie, Grade 6 - N'kwala School

The wind farms in Shinish Creek and Pennask Lake are operated by Okanagan Wind Farms along with Penticton Indian Band, the Westbank First Nation and the Upper Nicola Band. Power from Okanagan wind farms are connected with hydro electricity to power all of B.C. The resources of the turbines include the power to get electricity for houses, vehicles and other electronics.

The wind turbines do not affect the animals. The groups work together to assist in producing a harmless form of energy.

Small wind turbines are used for simple things such as batteries for vehicles and small power sources. Large turbines are used for houses, vehicle parts, hydro, and electricity. Wind turbines are safe to the environment because the turbine energy does not go through the water and up power lines. Wind turbines are not polluting the air, water, animals, and land. A regular turbine costs 1 million dollars. But a smaller turbine costs 48,000 dollars.

Recourses for turbine are mostly how it's going to help with the environment. One thing I it can help mother earth, help the wild animals, the oil and the trees. Wind turbines help mother earth by not taking oil, and water. It helps the animals by not polluting the water they drink, and the trees are left to grow. They need the land to regenerate itself.

The people in Okanagan wind farms in B.C didn't have a problem building the turbines because there were very few animals around. Sometimes the deer sleep right next the turbines. They saw some moose tracks, the bats didn't have an effect because they didn't make the turbines in front of their migration route. And by the look of it there was only one bird killed during all the time the turbines have been there. Using wind power turbines the water is safer for all animals.

This is an essay about wind turbines and how Okanagan wind farms thought about a healthier way to get energy without pollution and endangering animals. The team worked together to get renewable energy. Working harmless energy is a plus for all involved.



PENNASK
SHINISH
VANCOUVER
KELOWNA



OKANAGAN
WIND

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For more information on the Okanagan Wind projects or to learn more about the benefits of wind energy, please visit okanaganwind.ca

