



OKANAGAN WIND

NEWSLETTER JULY 2016  49.9899° N, 120.1005° W



Welcome to Okanagan Wind

The first wind power facilities in the Okanagan region of British Columbia. Located on Crown land, the projects are being developed in collaboration with the Upper Nicola Band, Westbank First Nation and the Penticton Indian Band.

Once operational, the Okanagan Wind projects will represent approximately 6% 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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Rebar installed and concrete foundations poured for two of Pennask's turbines: once completed the wind turbine towers will stand 100 metres tall, their height and weight supported by base foundations. Each foundation base consists of approximately 65 tons of rebar and 440 cubic metres of concrete, enough to fill a large backyard swimming pool!



TOTAL INSTALLED CAPACITY WILL BE 30 MEGAWATTS



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



THE POWER FACILITIES ARE EXPECTED TO BE OPERATIONAL BY EARLY 2017



THE 10 SENVION TURBINES WILL HAVE A HUB HEIGHT OF 100 METRES



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



Foundation work underway at Pennask with first turbine foundation poured.

It has been a busy month at Pennask with the start of foundation work. Mud mats, the first step in this process, have been installed at three of the turbines. Steel reinforcement bar (rebar) and concrete have been added to the first of the turbine foundations, strengthening the base. A concrete batch plant has also been installed, giving Okanagan Wind the ability to produce its own concrete on site.



An off-ramp has been constructed on the west bound Highway 97C just west of Pennask Summit to facilitate construction access to the site. The team at Shinish has started work preparing for the foundations, completing the clearing and grubbing for the site and access roads.

Over the next few weeks, civil work will continue at Pennask and Shinish.

The next few weeks will see continuing foundation excavation, forming and pouring at the Pennask turbine sites and substation, with increased activity at Shinish. Improvements to Trout Creek Forest Service Road for access to the Shinish site will be completed, as will topsoil removal and levelling. Turbines will begin arriving on site towards the end of August. Stay tuned for next month's newsletter to learn more about the specialized equipment necessary for delivery.

In the Community:

Where possible we have sourced materials, labour and equipment from local firms. To date this has included:

Company	Location
Allteck Line Contractors	Langley
Cantex-Okanagan Construction Ltd.	Penticton
CEWE - Pacific Site Constructors Inc.	Coquitlam
Pashco Blasting Ltd.	Kamloops
NicPak Logging Inc.	Merritt
Renegade Enterprises	Westbank
Rebo Beton Pumping Ltd	Kelowna

Did You Know?

- ✦ Wind farms are designed to last for 25 years and longer, contributing much-needed electricity supply as well as environmental benefits
- ✦ Unlike thermal sources of electricity production, such as coal or nuclear power, wind turbines generate electricity without consuming or contaminating fresh water, or depleting natural resources
- ✦ At 30 MW, the Okanagan Wind projects will reduce BC's greenhouse emissions by 96 million litres a year - the equivalent volume of 32 Olympic-sized swimming pools
- ✦ BC currently has about 489 MW of installed wind power capacity, representing about 1.6% of electricity demand SOURCE: Canadian Wind Energy Association



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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



PENNASK
SHINISH
VANCOUVER
KELOWNA