

# Port Alma

## WIND POWER PROJECT

Generating electricity from wind is a fairly straightforward process. When the blades turn on a wind turbine, a series of gears make a generator spin very fast. The generator produces electricity that is sent to a transformer at or in the base of the turbine. The transformer changes the voltage and frequency of the current so it can be transmitted on standard electrical lines, either above or below ground. Each turbine sends electricity through a collector line to a transformer sub-station. The substation changes the voltage and frequency of the current again, so it can be transmitted long distances across Ontario's power grid.

