Cape Jourimain's Turbine

- The Centre is now served simultaneously by the wind turbine and NB Power. As the wind speed increases, the turbine output increases and the amount of power purchased from the utility is proportionately decreased. When the turbine output is more than the Centre needs, the extra electricity is fed into the grid.

- Homes typically use 1,000-2,000 kilowatt-hours of electricity per month. The Centre uses an average of 8,500 kW per month in the off-season, and up to 24,650 kW during the summer season. The turbine is expected to supply between 15,000 kW and 22,000 kW per year..

- The Cape Jourimain turbine has a rotor diameter of 6,7 m and is installed on a 27,4 m high tower. The turbine has only 3 or 4 moving parts and does not require any regular maintenance. It is designed to last 30-50 years or more and operates completely automatically. The 10 kW Bergey BWC EXCEL turbine was introduced in 1983 and has been installed at over 900 sites around the world. The turbine has no shut-down wind speed. It can be manually shut-down using a furling winch installed at the base of the tower.

Net metering

- A net metering agreement is an administrative and billing agreement to track and bill the electricity you use from the grid and the electricity you store on the grid, allowing you to effectively 'run your electrical meter backwards' to zero net electricity.

www.canwea.ca/wind-energy/windfacts_e.php
www.bergey.com
www.nbpower.com