

Marydale Park

Because every child deserves to play

Canada's First "Green" Barrier-Free Park

Hamilton residents will have another reason to feel good when they visit Marydale Park, thanks to its planned eco-friendly design. To reduce the park's energy consumption we are working with a green energy supplier, who will be supplying electricity from renewable sources (e.g. wind and solar) – with the goal to reduce our carbon footprint contribution from electricity to zero.

Vertical Access Wind Turbines (VAWTs)

Unlike a traditional horizontal axis (propeller style) turbines, a vertical access wind turbine rotates around the shaft vertically. This unique design offers many unique performance features for the parks rural environment including:

- Ability to effectively capture winds which are typical in veering wind directions.
- VAWTs operate at lower rotational speeds, thereby reducing and/or eliminating turbine vibrations and noise.



Ground mounted

Solar Panels

In addition to wind power, Marydale Park will be harnessing the power of the sun. A solar recovery system consisting of roof mounted panels will offer energy savings of \$9,600/yearly.

- Roof mounted panels will offer the best angle and height for performance, safety and service ability, while keeping our capital cost down.
- Our goal will be to have the panels perpendicular to the rays of the sun at all times throughout the day and year for maximum output performance.



Roof mounted Solar Panels



The C.Y.O. has partnered with Cleanfield Energy, a Toronto-based energy company, to integrate the park's "green features."

In addition to its renewable energy commitment, the C.Y.O. plans to reforest the 35-acre park land with indigenous trees, shrubs and grasses.