

# TD Green Energy Park



## Building Retrofit Features

(branch built in 1985)

- ★ Net Zero renovated and designed branch (expected to generate as much or more electricity than the branch consumes in the same comparative 12 month period)
- ★ Full branch recycling and composting program in place including annual waste audits
- ★ Remote Building Monitoring system
- ★ LEED For Existing Building Platinum certification is being pursued
- ★ New LED interior ceiling and exterior LED parking lot lighting
- ★ Conversion of all existing fluorescent signage to LED
- ★ New electric variable refrigerant flow heating and cooling system
- ★ Building was resealed and all gaps re-insulated
- ★ All natural gas devices removed
- ★ New branch LED TV marketing display screens
- ★ New LED energy display monitor showing real time consumption and generation
- ★ Conversion to low flow toilets
- ★ Hands free faucets with hydroelectric battery regeneration (flow of water recharges batteries)
- ★ Occupancy sensors for branch lighting systems
- ★ New electric control and all electrical panels rewired to more accurately operate devices
- ★ All improvements made expected to reduce year over year branch consumption by over 50%



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## Park Features

- ★ 244 total solar panels in TD Green Energy park expected to generate 100,000 kwh/year of electricity
- ★ Solar parking portico for customer use and shelter (96 solar panels)
- ★ Three solar trackers that follow the sun's daily rotation on a pre-programmed seasonal path (36 solar panels/structure) with internet controlled activation and monitoring
- ★ Solar amphitheatre equipped with outlet and free wi-fi for community use (40 solar panels)
- ★ Rubberized sun-dial flooring in solar amphitheatre for comfortable community use and enjoyment
- ★ Local, adaptive and drought tolerant landscaping including RTF grass (Rhizomatous Tall Fescue grass)
- ★ Subsurface base of pathway made from recycled asphalt and covered in limestone
- ★ Subsurface base on sun-dial made from recycled rubber
- ★ Armour Stone rocks sourced from local quarry
- ★ Most construction, labour, engineering and site materials were all sourced locally
- ★ Solar panels manufactured with over 60% Ontario domestic content
- ★ Educational signage throughout park explaining plantings and solar structures
- ★ Partnership with neighbouring public school to allow park use as part of their environmental education curriculum.
- ★ Public display monitor in school will be connected to the park that will show real time generation and other environmental facts
- ★ Dual electric car charger for courtesy customer use (requires 4 hours for a total charge)

