



FACT SHEET *About Our Redevelopment*

Respecting Our Environment

The design and construction of the new hospital will adhere to the guidelines and sustainability principles of the Leadership in Energy and Environmental Design (LEED®) rating system, with a goal of achieving LEED® Silver certification.

LEED® buildings focus on healthy indoor environments, reduced greenhouse gas emissions and the efficient use of energy, water and other resources. The design also includes additional features from the upcoming LEED-HC® system, a new standard specific to hospital buildings currently only available in the US.

The new hospital will meet the requirements for Tier 1 of the City of Toronto's Green Standard (TGS). The TGS is a set of performance measures, with supporting guidelines, for sustainable site and building design for new development. Its purpose is to promote site and building designs that address air quality, greenhouse gas emissions, energy efficiency, water quality and efficiency, solid waste and ecology.

'Green' highlights of the new hospital building include:

- One of the most energy efficient hospital buildings in North America
- Using building materials with recycled and locally sourced products
- Diverting 75 per cent of construction waste from the landfill
- Reducing the facility's indoor water use by 35 per cent through the use of highly efficient plumbing fixtures, including low-flush toilets, faucets and showers
- Minimizing solar heat gain and the urban heat island effect through reflective roofing; 50 per cent of the building will feature a green roof
- High performance building exteriors
- No re-circulated air: 100 per cent outside air into the building improving, indoor air quality
- Enhanced occupant health through the use of low-emission materials for adhesives and sealants; paints and coatings, and carpets
- Design elements that respond to climate conditions including prevailing winds, site orientation, seasonal sun paths and precipitation, surface water drainage and solar gain
- Integrated, sustainable landscape elements such as pastoral gardens, patios and a piazza, all featuring native and drought resistant plants
- Enhanced lighting strategies, improved outdoor views and maximized day lighting capture for interior spaces
- A traffic demand management strategy, in partnership with Smart Commute Toronto, to promote alternative means of access to the site: bike lockers; enhanced public transportation access; car pooling and ride sharing etc.