

BUILDING

FACTS

- 64,590 square metres of floor space.
- 22 storeys, including mechanical floor and podium that ranges from two to three storeys.
- Solar chimney height: 115 metres.
- Height to top of building: 88.6 metres.
- Height to top of penthouse: 98.6 metres.
- Location: an entire city block on the south side of Portage Avenue between Edmonton and Carlton streets and extending south to Graham Avenue.
- Budget: \$278 million.
- Number of occupants: 2,150 Manitoba Hydro employees, plus commercial tenants.

CONSTRUCTION

FACTS

- Stone Cladding: 930 square metres.
- Granite Cladding: 465 square metres.
- Concrete blocks: 169,000.
- Interior curtain wall: 6,500 square metres.
- Exterior curtain wall: almost 20,000 square metres of single, double and triple-pane glass. When converted to single pieces of glass, the curtain would cover seven Canadian football fields.
- Exterior curtain wall: almost 30,500 metres of aluminum framing.
- Concrete: 35,600 metres.

QUESTIONS?

For more information on Manitoba Hydro Place, please visit Manitoba Hydro's website at www.hydro.mb.ca/mhplace

For information on leasing retail space in Manitoba Hydro Place, please phone 204.474.4040 or toll free at 1.888.MBHYDRO (1.888.624.9376)



WELCOME TO MANITOBA HYDRO PLACE

Located at 360 Portage Avenue in Winnipeg, Manitoba Hydro Place is Manitoba Hydro's corporate headquarters. It was constructed to meet the corporation's present and future business needs while serving as a model for superior energy-efficient sustainable building design and operation. The largest office building in Winnipeg, Manitoba Hydro Place is expected to use 65 per cent less energy than a comparable office tower built to current standards.



MANITOBA HYDRO PLACE

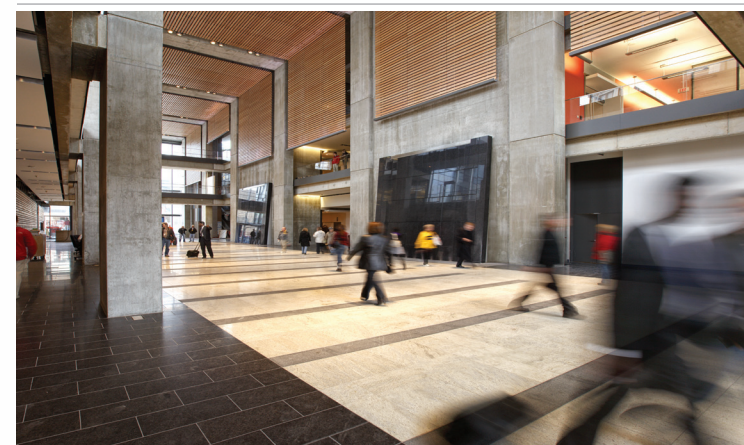
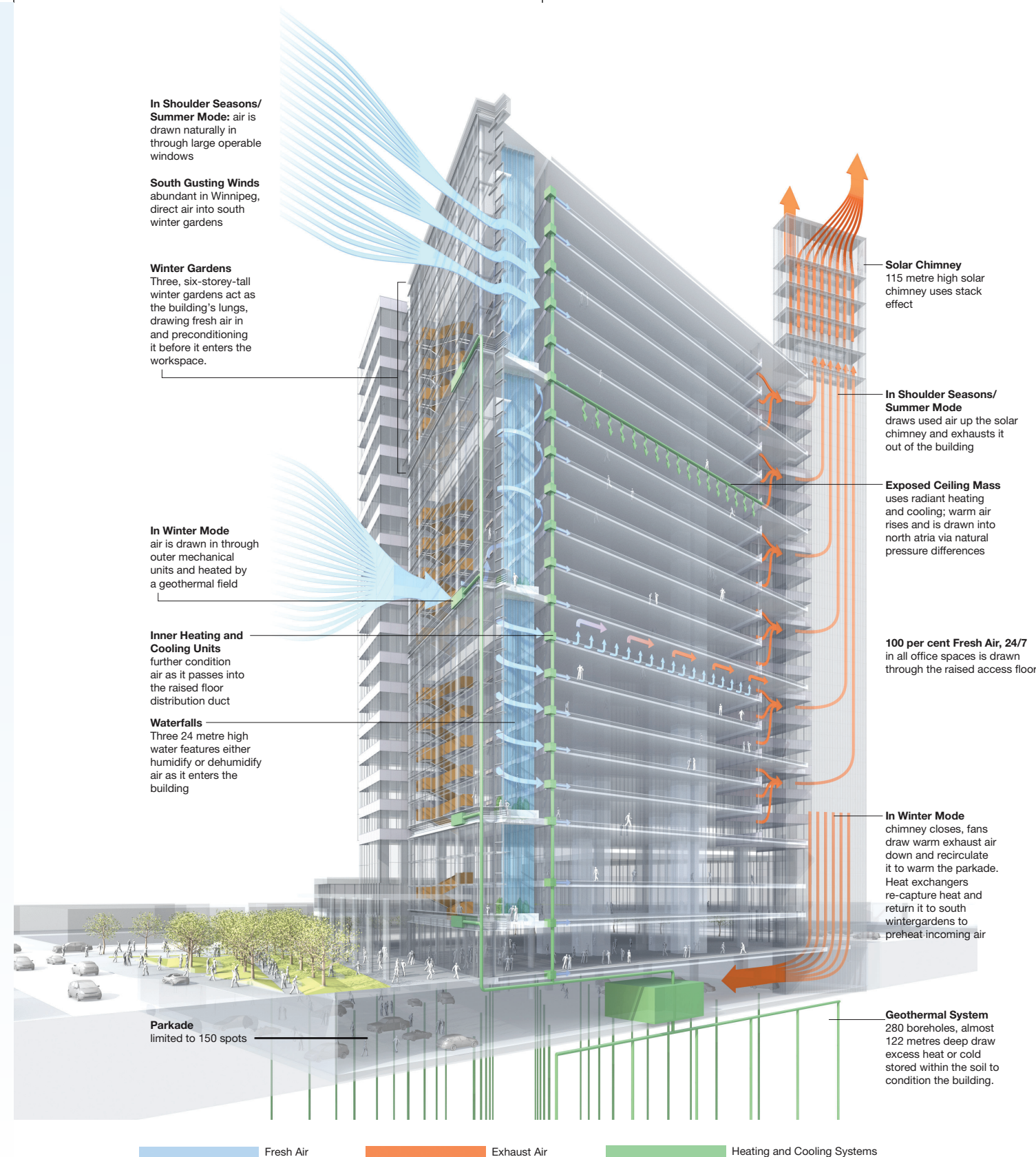
PORTAGE AVENUE
360

ENERGY EFFICIENCY FEATURES

Every aspect of Manitoba Hydro Place is designed to work in harmony with the natural environment and the people in it. Even the buildings that were on the site previously were carefully deconstructed, allowing 95 per cent of the materials from these old structures to be reused, recycled, or salvaged.

All elements of the building design – from the bright open floor spaces, high ceilings, operable windows, modern workstations, and 100 per cent fresh air ventilation system – are designed to maximize employee productivity and comfort and minimize energy consumption.

- Low-iron glass used in the building's windows maximizes the amount of natural daylight flooding the interior, reducing the reliance on artificial lighting. The double-glass curtain wall system features operable windows.
- Geothermal system, using 280 wells, each almost 122 metres deep, taps natural energy stored in the ground to provide building heating and cooling.
- The unique solar chimney on the north face of the building helps provide energy-free passive ventilation by relying on the natural "stack effect" that occurs in high-rise structures.
- Three, six-storey winter gardens on the south side of the building help to precondition intake air using solar thermal energy and waterfalls for humidity control. They also provide staff with comfortable rest and meeting spaces.
- Green roofs incorporating native prairie plants help reduce storm runoff, convert carbon dioxide to oxygen, reduce cooling requirements and minimize the building's impact on the urban heat island.
- Advanced T-5 fluorescent lighting fixtures with motion and daylight sensors.
- Automated solar shading systems.
- Raised-floor displacement ventilation system.
- An advanced, fully-integrated Building Management System (BMS) that coordinates and controls all systems (ventilation, heating, lighting, solar shades). The BMS ensures that the entire structure operates as a single entity, actively responding to changes in climate, environment and operational requirements.



THE GALLERY

Manitoba Hydro Place features an impressive main floor gallery which is accessible to the public from 6 a.m. to 6 p.m., seven days a week. This vast area, which is three storeys high, houses the building's main entrance and also features two waterfalls that help regulate the gallery's humidity level. A multi-purpose space, the gallery is also used for cultural events.

CONSTRUCTION TIMELINE

- 2005**
 - Site selection process completed.
 - Work on Manitoba Hydro Place begins with the deconstruction of the existing buildings on the Portage Avenue site.
- 2006**
 - Foundation work and drilling of the 280 geothermal wells starts.
 - Lower level component of design is eliminated when a rising water table that would have flooded the lower level of the two-level underground parkade is discovered.
 - Construction continues upward with pouring of concrete floor slabs and installation of the in-slab heating and cooling lines.
- 2007**
 - Installation of glass double-curtain wall begins.
- 2008**
 - Building is fully enclosed.
 - Structural work on solar chimney completed.
 - First employees begin move into building in December.
- 2009**
 - Official opening of Manitoba Hydro Place in September.