

GREEN GLOBES

RUSSELL-GRENVILLE

BUDGET:

\$5,700,000

ARCHITECT:

Civitas Architects

MECHANICAL/ELECTRICAL CONSULTANT:

Genivar Engineering

GENERAL CONTRACTOR:

R.E Hein

OCCUPANCY DATE:

September 2010



RUSSELL-GRENVILLE RENOVATION

CARLETON UNIVERSITY, OTTAWA

GREEN GLOBE RATING

Russell-Grenville House, located on the Carleton University campus in Ottawa, Ontario, is a 4-storey, 8,514 m², residence building. Originally built in 1965, the facility recently went through major upgrades to building envelope, lighting, and DHW heating systems.

KEY SUSTAINABILITY FEATURES

Carleton University's standard for new buildings and renovations is to achieve at least three out of five globes using the Green Globes sustainable building rating and evaluation system. Green Globes evaluates factors including project management, site use, energy consumption, space utilization, light and water optimization, building envelope integrity, materials, waste management etc.

For more information, please visit: www.greenglobes.com.

- Energy use at least 35% more efficient than the National Energy Code.
- The amount of daylighting is optimized through building orientation and window-to-wall size ratios.
- The building provides direct ambient daylight to 80% of the primary spaces.
- Solar shading devices are specified to enable occupants to control brightness and glare from direct daylighting.
- The construction documents indicate that there will be views to the building exterior, or to atria from all primary interior spaces.
- Major energy uses are being sub-metered (i.e. mechanical equipment, steam, water).
- Energy efficient lighting fixtures, lamps and ballasts.
- Low-flow water saving fixtures, contributing to water savings of 65% compared to pre-build usage.
- Building materials with recycled content were used in the building construction (i.e. carpet tiling and acoustic panel ceiling system, architectural woodwork).
- The building integrates existing facades and 50% of the existing major structures were reused.
- Interior materials are low-VOC emitting, non-toxic and chemically inert (i.e. carpets and paint).

For more information, please contact:

Philip Mansfield, Manager, Sustainability Programs
email: philip.mansfield@carleton.ca
web: carleton.ca/sustainability
twitter: @CUSustain



Sustainability
CARLETON UNIVERSITY