

McMaster University, David Braley Athletics Centre

University commitment to the environment
Hamilton, Ontario



McMaster University in Hamilton, Ontario, is committed to energy conservation and responsible environmental management. As evidence of this commitment, the David Braley Athletics Centre achieved LEED certification. The building is a 12,000 m² student athletics and recreation centre. Facilities include a rock climbing wall,

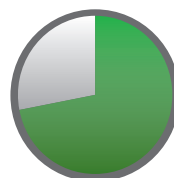
squash courts, sports hall, fitness centre, an indoor track, and a sports medicine area. Because this project is both a recreational and an educational facility, occupant health and comfort were of paramount importance to the design team. As a result, particular care was taken with respect to indoor air quality, material selection, and lighting.

Notable Features

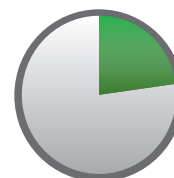
- Erosion and sedimentation control measures
- On-site stormwater treatment to remove phosphorous
- Campus wide carpool program and student bus passes
- Bike storage and showers for cyclists
- Night-sky friendly exterior lighting
- Drought-resistant landscaping plants
- Rainwater cistern to supply water for toilet flushing
- Water-conserving plumbing fixtures, including waterless urinals
- Locally sourced materials (30%) and recycled content materials (23%)
- CO₂ controlled ventilation
- Low-VOC finishes and carpeting



24%
Energy Savings



72%
Indoor Water Savings



23%
Raw Materials Savings

Owner:
McMaster University

Architect:
Garwood-Jones & Hanam

Our Services:

- Sustainable Design Facilitation
- Energy Efficiency Consulting
- LEED® Consulting & Certification

Status:
LEED-NC Certified
Completed 2007

LEED® Project Facts

Gross Floor Area: 12012 (m²)
Energy Density: 213 (kWh/m²)

Category	% Performance
Water Savings	
Irrigation	100 %
Indoor Use	72 %
Energy Savings	
Waste Diversion	61 %
Recycled Content	23 %
Regional Content	33 %

LEED® Certified

