

Mountain Equipment Co-op Burlington

Sustainable innovation by a retail leader



Owner:

Mountain Equipment Co-op

Architect:

Stone McQuire Vogt Architects

Our Services:

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

Mountain Equipment Co-op (MEC) Burlington is set to be the first MEC store to receive LEED Canada certification. The 2,500 m² building, which houses retail, warehouse, and administrative space, is a model for sustainable retail. From environmentally-appropriate materials to an unusual, but extremely effective solar energy system, MEC Burlington sets the bar high. Founded in 1971, MEC has grown to over 3 million members and become the largest outdoors store in Canada. MEC exists to serve its members; this includes promoting a healthy environment and retail experience.

Notable Features

- provided 32 extra bike racks to encourage alternative transportation
- close to GO station and two bus routes
- building designed for simple disassembly
- two cisterns: one collects parking lot runoff for irrigation, and one collects water off the roof for plumbing fixtures
- creates an ice mass at night to cool ventilation air for air conditioning during summer days
- underfloor air distribution controlled by CO₂ sensors
- tracking PV rooftop solar panels for electricity
- lights automatically dim in unoccupied areas of the retail space
- 97% of wood is FSC certified
- low-emitting materials used whenever possible

LEED® Project Facts

Gross Floor Area:	2501 (m ²)
Energy Density:	110 (kWh/m ²)
Category	% Performance
Water Savings	
Irrigation	100 %
Indoor Use	82 %
Energy Savings	
Renewable Energy	13 %
Waste Diversion	
Recycled Content	9 %
Regional Content	11 %
FSC Wood Content	97 %
LEED® Gold	



LEED NC Gold Certified
Completed 2009
Burlington, Ontario



70% Energy Savings



82% Indoor Water Savings



9% Raw Materials Savings

