



Owner:
Stratus Vineyards Limited

Architect:
Andrew Inc.

- Our Services:**
- Sustainable Design Facilitation
 - Energy Efficiency Consulting
 - LEED® Consulting & Certification
 - Building Commissioning
 - Green Education Program Design

Status:
LEED-NC Silver Certified
Completed 2005

Stratus Winery

The first LEED-Canada building
Niagara-on-the-Lake, Ontario



PHOTO CREDIT STRATUS WINERY

Located in Niagara-on-the-Lake, in the heart of Ontario's Wine Country, Stratus Winery is the first building certified under the LEED Canada program. The 1,870 m², environmentally-sensitive building houses wine production facilities, offices, and a retail centre. Particular care was taken during the design of energy efficiency measures: the building and process

energy savings are approximately 45%. Water consumption is reduced by the incorporation of low flush toilets, waterless urinals, and drought-resistant landscaping. A green housekeeping program requires the use of products that meet Green Seal standard, and all furniture is GREENGUARD certified.

LEED® Project Facts

Gross Floor Area: 1870 (m²)
Energy Density: 109 (kWh/m²)

Category	% Performance
Water Savings	
Irrigation	100 %
Indoor Use	49 %
Energy Savings	
Waste Diversion	83 %
Recycled Content	15 %
Regional Content	42 %
Daylighting	86 %
Views	93 %

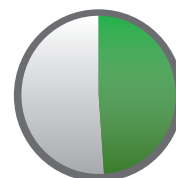
LEED® Silver

Notable Features

- Hybrid car for employee use
- Native landscaping plants and no irrigation system
- Water-conserving plumbing fixtures, including dual-flush toilets and waterless urinals
- High performance building envelope
- Ground source heat pump to supply heating/cooling for the building and hot/cold process water
- High-efficiency boilers for tank wash-downs
- 60% of construction waste diverted from landfill
- Construction indoor air quality plan
- Low-VOC materials and furnishings
- Green housekeeping program



42%
Energy Savings



49%
Indoor Water Savings



15%
Raw Materials Savings