

Owner:
E'Terra Inn

Architect:
Levitt Goodman

Our Services:

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

Status:
LEED -NC Gold Certified
Completed 2005

LEED® Project Facts

Gross Floor Area: 703 (m²)
Energy Density: 225 (kWh/m²)

Category	% Performance
Water Savings	
Irrigation	100 %
Indoor Use	31 %
Energy Savings	
Waste Diversion	75 %
Salvaged Content	13 %
Recycled Content	8 %
Regional Content	40 %
Views	93 %

LEED® Gold

E'Terra Inn

LEED Gold eco-lodge on the Niagara Escarpment
Tobermory, Ontario

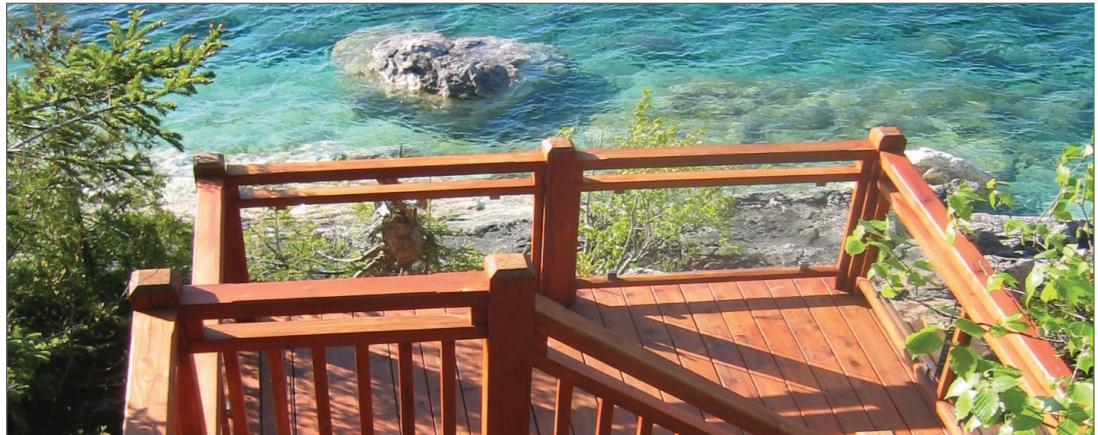


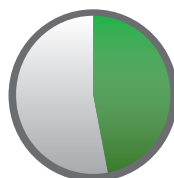
PHOTO CREDIT E'TERRA

Situated in Tobermory, Ontario, and built directly into the Niagara escarpment, this 750 m² environmentally-appropriate “eco-lodge” offers luxury accommodation in a wilderness setting. The building design features a high performance building envelope, local natural materials, radiant heating, natural cooling, concrete “earth

tube” technology, rainwater harvesting, and wastewater biofiltration. An energy-efficient lighting design drops the average lighting power density to less than 10 W/m². Domestic hot water is heated by a 20 m² solar system supplemented by high-efficiency boilers. Renewable technologies include a number of high efficiency wood burning devices.

Notable Features

- Drought-resistant natural landscaping
- On-site wastewater treatment using biofiltration
- Non-potable water system for toilets, clothes washing, and heat rejection from water-cooled kitchen appliances
- Well-insulated roof and wall assemblies
- Ventilation energy recovery wheel
- Radiant heating
- High efficiency wood-burning equipment
- Natural cooling (no air conditioning) with high-efficiency ceiling fans
- Kitchen make-up air drawn through concrete earth tubes
- Solar domestic hot water heating with propane back-up
- Fluorescent, compact fluorescent, and LED fixtures



47%
Energy Savings



31%
Indoor Water Savings



21%
Raw Materials Savings