

# SARAH-BETH CHERNIS, B.E.D. (Architecture)

Energy & Market Analyst– PROJECT PERSONNEL (1 year)



## PROFILE

*Prior to joining the Demand Side Energy (DSE) team in 2006, Sarah was an intern at Southface Energy Institute in Atlanta, Georgia. She worked as an inspector for the EarthCraft House regional residential green building program and the Energy Star for Homes program, and assisted with LEED® coordination and documentation. She has experience managing project development and modelling residential energy profiles.*

## EXPERTISE

**LEED® Certification Coordination:** Sarah assisted with the submission to the US Green Building Council for LEED® certification for the Forsyth County Family YMCA. This building has now been certified with a Silver rating.

**Energy Auditing:** Sarah is knowledgeable about building envelope, and residential HVAC performance. She also understands building takeoffs and is experienced performing residential energy modelling.

## RECENT PROJECT EXPERIENCE:

**CIER North Central Heating Feasibility Study (2007):** Study detailing the financial, social, environmental, and economic aspects of several heating systems upgrade scenarios for the North Central Area of Manitoba comprised of seven First Nations communities.

**Can-Oat Milling Scoping Audit (2007):** Summarized energy use end-uses for this agricultural plant in Martensville, Saskatchewan, and demonstrated the value of Monitoring, Tracking, and Verification in the industrial sector.

**MJ Roofing & Supply Ltd. Energy and Water Audit (2007):** Conducted a review of energy and water use towards *BOMA Go Green* Certification.

**303 Main Street Water Audit (2006):** Conducted an audit of water use at the Canadian International Grains Institute Building as a means to pursue conservation efforts and national environmental recognition and certification for *BOMA Go Green*.

**CREIT 220 Portage (2006):** Managed the energy audit and reporting process under Manitoba Hydro's Commercial Building Optimization Program.

**Seven Oaks General Hospital (2006):** Baseline energy and savings opportunity assessment of this facility.

**Manitoba Hydro New Construction Baseline Study (2006):** Baseline energy and environmental assessment of new commercial construction in Manitoba.

**Red River College Energy Commissioning (2006):** Examined the performance of some potential alternative system upgrades and green technologies.

**First Nations Energy Mapping (2006):** Baseline energy assessment and community awareness for 4 First Nations in Manitoba.

**Forsyth County Family YMCA (2006):** LEED documentation for new construction including day lighting and exterior view studies, and grey water reuse calculations.

**Longleaf at Callaway (2005):** EarthCraft House community development management and residential energy modelling and verification for Energy Star for Homes.

**Haven Properties Inc. Energy Star Partnership (2005):** Updating and modelling baseline energy profiles for new home plans and measuring and verifying specific home studies.

## PROFESSIONAL HISTORY

Present: Energy & Market Analyst, Demand Side Energy Consultants Inc.  
2005: EarthCraft House Inspector, Southface Energy Institute

## EDUCATION

2005: Bachelor of Environmental Design in Architecture, University of Manitoba, Winnipeg, MB

## ASSOCIATIONS

Building Energy Management, Manitoba (BEMM)