

LEISMER LODGE

Project	Leismer Lodge
Location	Conklin, Alberta, Canada
Service	Mechanical Engineering / M & E Fundamental Commissioning
Process	Integrated Design, Construction Management & CaGBC LEED Silver
Value	\$23M CAD
Status	Construction completion Oct 31, 2008

The Leismer is the accommodations facility for the new SAGD operation of StatOil Hydro, the Norwegian organization that is the largest offshore oil and gas company in the world. Located near Conklin, Alberta the new Lodge will house 600 persons in an executive lodge environment notable for its high level of environmental stewardship as a CaGBC LEED Silver project.

The Lodge core will be of non-combustible steel and concrete construction connected to modular construction accommodation wings housing staff bedrooms. Within the Core will be the kitchens, dining and recreation facilities including full service and fast food dining, workout rooms, gymnasium and games and multimedia entertainment rooms.

To achieve LEED Silver a number of features have been incorporated into the systems design.

The facility is connected to an off grid water and sewage treatment system supplied by well with full tertiary sewage treatment and potable and firewater storage. Within the building materials selection highlights low VOC products, the use of high percentages of post consumer recycled materials and a modular high performance envelope. Energy systems include a high efficiency heating plant, demand control ventilation to adjust ventilation rates based on CO2 demand, ultra efficient plumbing fixtures including automatic dual flush water closets, ventilation heat recovery, radiant floor heating, occupancy lighting control and variable flow kitchen range hoods. Current energy models predict energy savings of approximately 40% referenced to the MNECB.

Projects completed in association with Prime Consultants, Manasc Issac Architects.

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