



Physical Plant
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Conservation and Demand Management Plan

As per Ontario Regulation 397/11 please find below Lakehead University's Conservation and Demand Management Plan 2019.

The annual energy consumption for the year 2017 for Lakehead University is as follows;

Thunder Bay campus		
Electrical use	22,684,195 kWh	
Natural Gas	3,262,570 m ³	
Orillia campus		
Electrical use	3,138,374 kWh	
Natural Gas	189,022 m ³	

Lakehead University will continue to monitor and manage its energy use to maintain the reductions achieved over twelve years ago when we reduced our natural gas consumption by 45% and our electrical demand and consumption by 18%. Lakehead University goal is to maintain its leadership role in the Ontario University system as one of the lowest energy intensity campus in Ontario.

Lakehead University will take advantage of every opportunity to reduce our energy consumption that our current funding will allow. The recent Greenhouse Gas funding allowed Lakehead University to reduce our output of Greenhouse Gas by approximately 1,200 tonnes of CO₂ by completing energy retrofits of the Bora Laskin Faculty of Education building and the University Centre Kitchen High Efficiency Retrofits.

Lakehead University Orillia campus' Simcoe Hall has a ground source heat pump system that has operated since 2010 when the building was completed. Our Orillia campus consists of two LEED Platinum Buildings, one LEED Silver Building as well as rented space in the downtown core. The Orillia campus leads Ontario with an overall energy intensity of 22.194 ekWh/sqft (not weather normalized).

Lakehead University Thunder Bay campus has recently installed a new roof mounted 20 kW Photovoltaic (PV) system on the roof of the UC. The PV system would consist of rows of solar arrays used to generate electricity that would be used on campus to offset the kitchen's electrical demand.

Regards,

Hugh Briggs
Director Physical Plant