



## Completes Electric Thermal Storage (ITS) Pilot Project in Sault Ste. Marie

PUC Distribution Inc. compiled the results from its Electric Thermal Storage (ETS) pilot project conducted during the past heating season, confirming that residential customers using Electric Thermal Storage along with "time of use rates" (TOU) can realize up to 30% saving in heating costs.

The pilot project involved The City of Sault Ste. Marie Social Housing Division and Cara Community Corp. Social Housing, whereby 4 electrically heated apartments in each housing facility had their existing electric baseboard heaters replaced with ETS units sized to accommodate the largest areas in the apartment - living room/dining room.

Interval metering was installed in the City Social Housing 4-plex facility while Cara Community facility had Triacta technology installed to monitor the load patterns and collect data from ETS units. These were pre-programmed using TOU rates.

In both cases, the pilot project met the expectations of cost savings, room comfort, reliability and consistent temperature.

In moving forward, PUC Distribution Inc. is sharing the findings of the pilot with both groups and will further examine the feasibility

of ETS as a retrofit for their electrically heated housing facilities.

Electric Thermal Storage heating was developed in Europe in the 1940s and crossed over into North America in the 1980s. ETS units heat the ceramic brick core during "off-peak" pricing and discharge the stored heat when it's required. Even after the unit is turned off, the ceramic brick will emit a comfortable heat for hours.

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*PUC Distribution Inc. serves the majority of residents and businesses within the municipal boundaries of the City of Sault Ste. Marie, as well as parts of the Prince and Dennis Townships and the Batchewana First Nations Reserve. PUC Distribution serves 32,497 residential, commercial and small industrial customers.*

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3700 Steeles Ave. West, Suite 1100  
Vaughan, ON L4L 8K8  
Tel. (905) 265-5300 • Toll Free 1-800-668-9979  
E-mail: email@eda-on.ca  
Website: www.eda-on.ca