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Thunder Bay Hydro Renewable Power Project Progresses on Schedule

Thunder Bay, ON – The construction of the Mapleward Renewable Generating Station has reached a significant milestone with the delivery of two Caterpillar G3520C engine-driven generator sets and associated mechanical equipment. The units arrived at the construction site this week. The delivery ensures that the project is continuing both on time and on budget.

Each generator is capable of generating 1.6 MW of electricity, powered by a 20 cylinder reciprocating engine utilizing landfill gas. The Caterpillar G3520C engine offers state of the art technology to convert landfill gas to electricity at the highest efficiency. They are approx. 20 ft in length and weigh approx. 43,000 lbs.

“This project will result in about 20,000 man hours of work for our city with labour and fabrication being locally sourced,” notes Robert Mace, President of Thunder Bay Hydro Renewable Power. “We are very pleased with how smoothly things have come together to reach this milestone. The project is on schedule to be completed in August 2010.”

Through an agreement with the City of Thunder Bay, the generating plant will draw methane gas collected at the Solid Waste and Recycling Facility to fuel two engine-driven generator sets and is expected to generate enough electricity to power 2,000 houses. The project is expected to annually convert 263 million cubic feet of methane gas that would have otherwise been released into the environment. Thunder Bay Hydro Renewable Power Incorporated will sell the generated electricity to the Ontario Power Authority under a 20 year Renewable Energy Standard Offer Program (RESOP) contract for distribution into the IESO controlled grid within the Province of Ontario.

