

## Case Study - City of Waterloo LFG Power Plant

The city of Waterloo, Ontario has been generating electricity from its landfill site since 1999. The power plant, which is owned and operated by Toromont Energy,

uses the landfill gas supplied to it to generate electricity, which is then sold to the Ontario power grid.

Originally equipped with four low-emission Caterpillar G3516F engines, the plant added a 5th engine this year, and plans to add a sixth in 2008. This will put the facility's power output at 5.55 megawatts, enough to provide electricity to about 3750 homes.



In addition to all the benefits from greenhouse gas reduction, and a clean, alternative energy source, the region of Waterloo receives royalty payments of approximately \$200,000 per year. Clearly a win-win deal for all concerned!