



Press Release – November 17, 2009

## Economic Development and Environmental Sustainability: Renewable Energy Facility proposed for Port Hope

There is a significant difference between Incineration and **Advanced Conversion Technology (ACT)** of waste when it comes to the state-of-the-art technology that Renewable Energy Management Inc. (REM) is bringing to Port Hope.

REM will build and operate the new facility that will provide an environmentally superior and economically sound solution for total waste management including diversion from landfill and compost via recycling and conversion to renewable energy.

A 23 acre site in the Municipality of Port Hope will be the future home of a state of the art waste management technology. “This is a tremendous economic opportunity for the Municipality of Port Hope. This Renewable Energy facility fits well into our Economic Development Strategic Plan and Green Energy focus” said Mayor Linda Thompson.

The facility when completed and fully operational will employ approximately 70 staff along with the employment opportunities for local trades and businesses through the procurement of the equipment and construction of the facility.

The core technology is an Advanced Conversion Technology process to completely convert the residual materials (which is all waste not appropriate for recycling and reuse) into a Synthetic Gas (Syn-Gas) which is combusted in a patented Syn-Gas Burner to produce the heat and energy required for thermal distribution and electrical generation. Combustion of Syn-Gas is cleaner than Natural Gas.

After the recycling materials are recovered and removed the large quantity of Wet Organic Biomass that the facility also receives is dried using the recovered waste heat from the thermal process to dehydrate the materials and the water is extracted and reused for use as boiler makeup feed water therefore reducing water consumption.

The waste stream will consist of ICI waste (Industrial, Commercial & Institutional) as well as MSW (Municipal Solid Waste) and Wet Organic Biomass.

The front end of each facility has a separation and sorting process that completely separates all waste and categorizes it into separate bails to maximize the opportunities for recycling and reuse.

REM's Sustainable Solution 'system' adds one more 'R' to the 3 R's of Recover, Reuse, Recycle which is Renewable Energy and the solution will provide for 98% diversion from landfill.

The plant will be the first of its kind in Canada.

For more information regarding Renewable Energy Management Inc. please visit their website at: [www.rem-energysolutions.com](http://www.rem-energysolutions.com)