

For Immediate Media Release

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St. Lucia to be the first Caribbean Nation to support renewable energy technology from Ontario.

SAULT STE. MARIE, ONTARIO – On October 7, 2010, Island Green Energy (IGE) with their technology partner Elementa Group Inc., signed a Memorandum of Understanding with the Government of St. Lucia to build the first non-incineration waste-to-energy facility which will process the island's municipal solid waste. This facility will reduce greenhouse gas emissions by over 70,000 tonnes annually and produce power for 6,000 homes. Using a patented process developed by Elementa Group Inc., an international leader in waste conversion technology based in Niagara-on-the-Lake, Ontario, the project will divert over 50,000 tonnes of municipal and industrial solid waste a year from St. Lucia's two landfills, while generating an estimated 6-7 megawatts of green electricity.

The United Nation's has initiated the Island Sustainability Growth Plan which requires the island nations to improve their existing infrastructures with regards to sustainable development. The project with IGE and Elementa will reduce the island's carbon footprint by offsetting its dependency on fossil fuels as well as decreasing landfill methane emissions. "Methane is one of the worst contributors to global warming because it is more than 20 times as dangerous as CO2 regarding greenhouse gas effects," said Jayson Zwierschke, President & CEO of Elementa Group Inc.

Zwierschke went on to say, "the EU has identified the elimination of landfills as the single largest potential to significantly reduce greenhouse gas emissions." (*European Commission (2000). EU policies and measures to reduce greenhouse gas emissions: Towards a European Climate Change Programme (ECCP). COM (2000) 88 Brussels.*)

Elementa has been operating its technology since 2007 at its pilot plant in Sault Ste. Marie. Scientific third party reviews have confirmed that the plant has exceeded expectations and significantly outperformed all national and international air emission standards. Along with

Elementa's technology, the City of Sault Ste. Marie has a number of renewable energy projects, confirming their place as the Alternative Energy Capital of the North America. St. Lucian Minister Guy E. Joseph is currently visiting Sault Ste. Marie and Elementa's pilot plant to personally review the necessary approval and permitting processes required in Ontario before returning to St. Lucia to present his favourable findings to the Prime Minister of St. Lucia.

The 20-year contract between IGE, Elementa and St. Lucia confirms St. Lucia's leadership posture to Small Island Developing States (SIDS) as well as the UN's commitment to the Millennium Development Goals which are focused on social and environmental sustainability and combating global warming in the Caribbean.

About the Process

Elementa Group Inc.'s steam reformation process uses a mature technology in a patented process to convert carbon-based materials into a green natural gas replacement (syngas). The process uses an oxygen deprived combustion-free environment, involving **absolutely no incineration**. The syngas is then used in a combined cycle electrical energy generation system to produce electricity.

Elementa's technology:

- produces no toxic dioxins and furans associated with incineration.
- is completely scalable
- creates distributed, base-load power
- significantly reduces greenhouse gases
- converts 98 percent of the waste volume leaving 2 percent as an inert aggregate
- supports the increasing public interest in environmental sustainability

About Elementa Group Inc.

Elementa Group Inc. www.elementagroup.com is a Canadian environmental renewable energy company that has developed a patented new conversion technology process that efficiently and economically converts all carbon-based material into clean synthetic gas. Elementa Group Inc. is headquartered in Niagara-on-the-Lake, Ontario.

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