

REGINA, October 29, 2007
News Release

City Unveils Landfill Gas Collection System

The City of Regina has officially unveiled a new Landfill Gas Collection System at the Fleet Street Landfill.

Landfill gas is generated when organic waste decomposes. The gas typically consists of approximately 50 per cent methane and 50 per cent carbon dioxide. Methane is a potent greenhouse gas that has 21 times the global warming potential than carbon dioxide.

The new collection system will help to reduce potentially harmful greenhouse gas emissions by transforming methane to carbon dioxide and will provide a means for potential use of landfill gas as an energy source.

“This new gas collection system is an important first step towards implementing a landfill gas utilization project where the gas that’s collected will then be used to create solar hydrogen energy,” said Councillor Fred Clipsham, who cut the ribbon to unveil the new system. “This initiative shows City Council’s commitment to reducing greenhouse gas emissions and to seeking partnerships with other organizations also committed to environmentally responsible action.”

The City of Regina has developed a partnership with the company Solar Hydrogen Energy Corporation (SHEC), under which SHEC will purchase the gas collected, beginning in July 2008, and transform into solar hydrogen energy within the next five years.

Cost of the new collection system, including research, design and construction, was approximately \$2.5 million. Revenue for the City from the gas sales to SHEC is estimated at \$50,000 to \$70,000 annually. The City will also accumulate greenhouse gas credits as a result of the destruction of landfill gas methane. These credits could in the future generate approximately \$80,000 to \$100,000 per year.

The project consultant for construction of the collection system was Conestoga-Rovers and Associates, on-site consultant was Clifton Associates and the prime contractor was Westridge Construction.

For more information, visit www.regina.ca or call 777-7000.

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