

Case Study #3-1

Company Name: General Motors

Number of Facilities (as applicable): 7

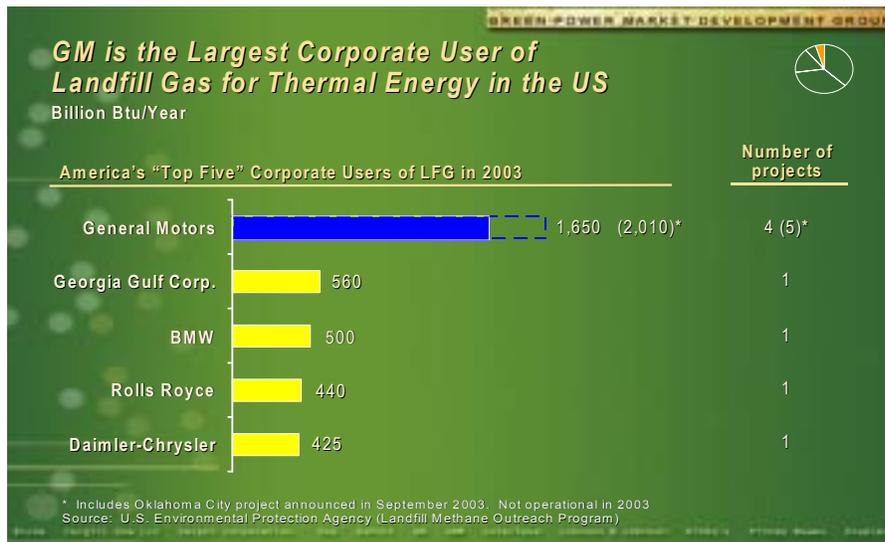
Year of Implementation: 2002-2003

Description of Activity: Landfill Gas Use as part of EPA LMOP program and the WRI Green Power Market Development Group

- **Primary focus (5 GM Facilities)**
 - Direct use in boilers to replace fossil fuel with a renewable resource
 - 2000 billion BTU/year fossil fuel savings
- **Secondary focus (2 GM Facilities)**
 - Landfill gas to generation of electricity from engines or turbines
 - 1.5 MW currently under contract

Specific Environmental Benefits Achieved (i.e., materials, energy, waste, CO2 reductions):

GM is the largest (Non-Utility) Corporate user of Landfill Gas for Thermal Energy in U.S.



Note: 1 million tons of municipal solid waste in a landfill typically generates 300 cubic feet per minute (cfm) of landfill gas -

- Can generate 7,000,000 kilowatt hours (kWh) per year
- Enough energy to power 700 homes for a year, or about 5% of the heating requirements of a GM Assembly Plant

Current U.S. capacity is 900 MW