Coca-Cola’s Atlanta Landfill Gas Cogeneration Project

Richard Crowther – Coca-Cola
Jason Byars – MAS Energy
Live Positively is our commitment to making a positive difference in the world by re-designing the way we work and live, so sustainability is part of everything we do.
Coca-Cola Freestyle

- Launched in 2009, Coca-Cola Freestyle is a revolutionary fountain that dispenses 100+ sparkling & still beverages
- Offers consumers unprecedented choice & variety such as 70+ low/no calorie options
- Technologically advanced including web based consumption reporting to manage inventory, and ordering efficiencies.
- Coca-Cola Freestyle can be found in 1000s of locations – restaurants, movie theatres, sports venues, colleges/universities, convenience stores, retail, drug stores, etc.
- Coca-Cola Freestyle has received numerous awards for innovation and design
Where does Coca-Cola focus on Sustainability?
4 Key Areas for Energy & Climate

- Production Efficiency
- Fleet Transportation
- Product Delivery
- Alternative Energy
Alternative energy

Fuel Cells
Bio-Fuels
Solar Power
Cogeneration
Atlanta Project Overview

• **Project Description**
  - 6.525 MW CHP plant using LFG from Hickory Ridge landfill
  - Electric and thermal energy used by Coca-Cola’s Atlanta Plant
  - Project includes:
    - Landfill gas processing
    - 6.0 mile dedicated pipeline
    - 3 Jenbacher J616 engines
    - Heat recovery steam generators
    - Steam turbine chiller

• **Project Schedule**
  - Construction start – 12/2010
  - Commercial operations – 3/2012

• **Key Project Partners**
  - Mas Energy
  - Republic Services
  - Atlanta Gas Light
  - GE Jenbacher
  - Veolia Energy N.A.
  - Crowder Construction
Appendix A

System Schematic
<table>
<thead>
<tr>
<th></th>
<th>Major</th>
<th>Synthetic Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAER required?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Emissions Reduction</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Credits required?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permitting Timeline</td>
<td>10-14 months</td>
<td>3-4 months</td>
</tr>
<tr>
<td>Qualify for Sec. 1603</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>grant in 2010?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Q&A