



# METHANE GAS RECOVERY

Unlocking the potential

Greenville County, South Carolina



# Past Issues

- Previously closed areas produced insufficient gas
- Carbon credits were unavailable
- Utilities only paid offset cost for power



# Keys to Success

- Organic waste stream
- “Wet” waste – leachate recirculation?
- Minimal soil cover
- Sufficient gas production
- Collection system – horizontal and vertical wells, leachate cleanouts
- **Proactive attitude**









# Carbon Credits – Eligibility?

- Less than 2.5 MM Mg
  - Install flare as soon as possible
  - Validate carbon credits
  - Broker carbon credits
  - Receive revenue
- More than 2.5 MM Mg
  - Install flare as soon as possible
  - Validate carbon credits
  - Broker carbon credits
  - Receive revenue until threshold is reached







# Gas to Energy?

- Direct user for gas within economical pipeline distance
- Sufficient gas to support engine(s) for electrical production
  - Sell to local power company
  - Sell Renewable Energy Credits (REC's)
- Tax credits – private use





# Other Interested Parties

- End user willing to finance
- Local government incentive
- EPA's Landfill Methane Outreach Program
- State Energy Office



## Great PR!

- **“Landfill's energy could power 2,000 homes, officials say”**
- **“Landfill Gas Project Turns Enoree Landfill into a Community Asset”**
- **“County Turns Landfill Garbage Into Gold”**
- **EPA LMOP Project of the Year**