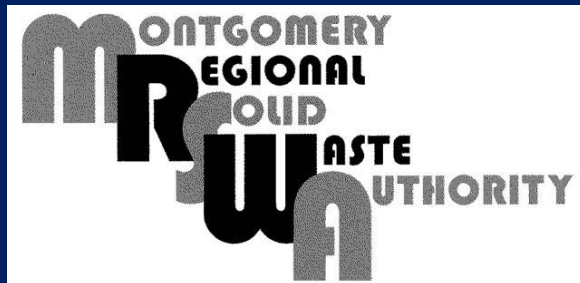


# Developing a Financially Viable 340 kW LFG Power Project



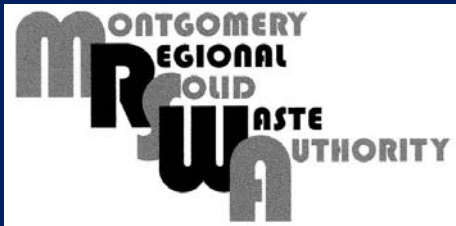
Steven Cox  
GkW Energy, Inc.



Alan Cummins  
Montgomery Regional Solid  
Waste Authority

# MRSWA

- Created in 1995
- 4 Members
- Non-Profit
- 5-Member Board
- Budget/Fees



# Administration Building



# Dual Stream Material Recovery Facility



# Closed Landfill



# Landfill Gas System



# MRSWA LFG Project Development

- Motivation
- Methodology



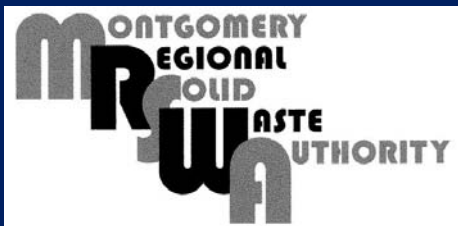
# Our Moving Message





# MRSWA and GkW

- Entered into a revenue sharing agreement
- Project costs and risks borne by GkW
- Both parties benefit through cooperation
- Challenge: Small (340 kW) & low power value



# Value Power (\$/MWhr)

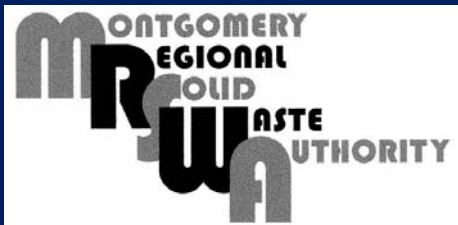
	2008	2009	2010
\$	53.56	33.64	38.33

(PJM LMP for AEP Zone)



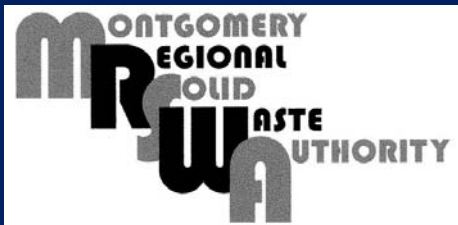
# Keys to Financial Viability

- Reduce capital costs without compromising safety, reliability, compliance, or aesthetics



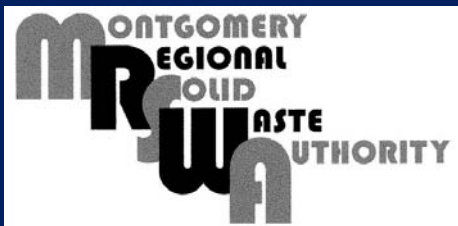
# Controlling Capital Costs

- Small project team
- In-house design and construction
- Utilizing local sources of materials and talent
- “Alternative” sources of equipment supply



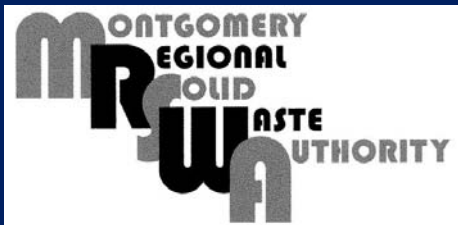
# Project Timeline

- Contract finalized January, 2009
- Permits obtained January, 2009 – October, 2009
- Ground breaking November, 2009
- Ribbon-cutting October, 2010



# Process Summary

- 265 kW Waukesha generator set (Curtis Engines)
- 75 kW generator set (Talon Power)
- Minimal gas treatment













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RIGGING  
HEAVY HAUL  
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THE POWER PEOPLE

**WAUKESHA**

ALL-AMERICAN  
TRO  
COWBOY