Four reasons to care about Missouri Landfill Gas (LFG)

Excerpted from a presentation by
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Missouri Landfill Gas to Energy Workshop
Missouri Waste Control Coalition Conference
June 29, 2004
Four reasons to care about LFG

- State should rely more on indigenous energy, less on imported fossil fuels
  - Affirmed in state energy policy
  - Economic benefit: retain energy dollars in MO
- LFG has increased value because of price spikes and volatility of natural gas (NG)
- Using LFG can benefit the environment
- A dozen landfills have recently indicated interest in capturing and using LFG
State energy policy calls for increased energy self-sufficiency

- “The Council believes that the fundamental components of Missouri’s energy policy include energy efficiency, conservation, self-sufficiency and diversity to benefit Missouri’s energy security, environment and economy.”

(Preamble, Report of the Governor’s Energy Policy Council, June 1, 2003)
Economic benefit of increased reliance on indigenous energy

- Missouri spent $13.2 billion on energy in 2000
- More than 95% of Missouri primary energy is fuels such as natural gas, coal and petroleum imported from outside the state
- Indigenous energy sources, diversified energy sources, energy conservation = dollars kept within Missouri
Missouri commercial NG price spikes & volatility since 2001
(Average commercial price of NG in February 2004 = $9.57/Mcf)
Environmental benefit of methane reduction in current LFG projects

• Estimated **Annual Benefits**:  
  – Planting 141,413 acres of forest,  
  – Preventing the use of 1,113,250 barrels of oil,  
  – Removing emissions equivalent to 104,646 cars, or  
  – Offsetting the use of 2,346 railcars of coal.

*Source: Landfill Methane Outreach Program (LMOP).*
Environmental benefit of methane reduction in potential LFG projects *

- Estimated Annual Benefits:
  - Planting 737,352 acres of forest,
  - Preventing the use of 5,804,689 barrels of oil,
  - Removing emissions equivalent to 545,641 cars, or
  - Offsetting the use of 12,234 railcars of coal.

*Source: LMOP. Based on projected potential LFG recovery from candidate sites for 2004-2008