

# Four reasons to care about Missouri Landfill Gas (LFG)

Excerpted from a presentation by  
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# 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.”

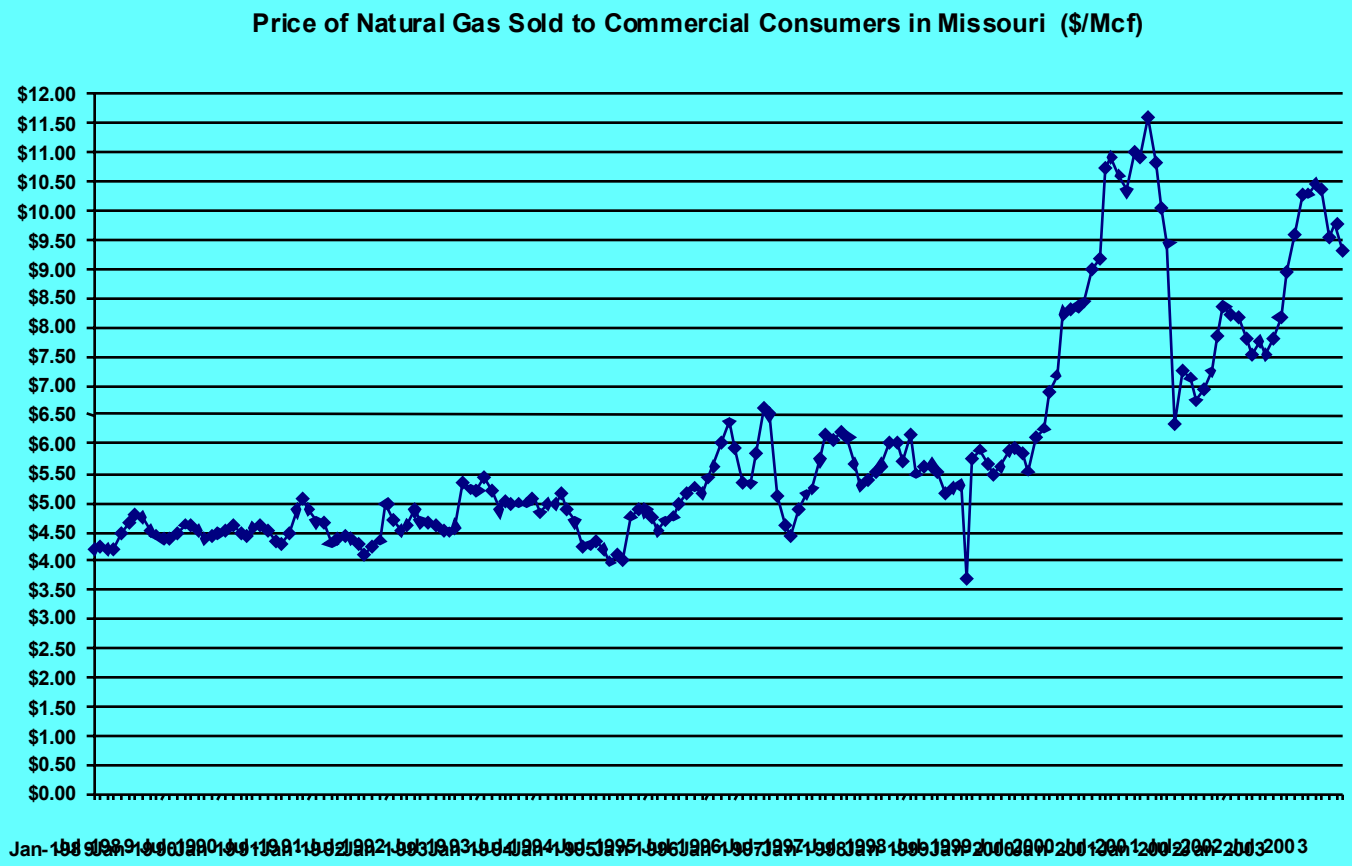
(Preamble, Report of the Governor’s Energy Policy Council,  
June 1, 2003)

# 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).  
6

# 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