

Los Angeles County  
Metropolitan Transportation Authority

# Clean Fuel and Biomethane Utilization Efforts



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Los Angeles County Metropolitan Transportation Authority  
April 16, 2015

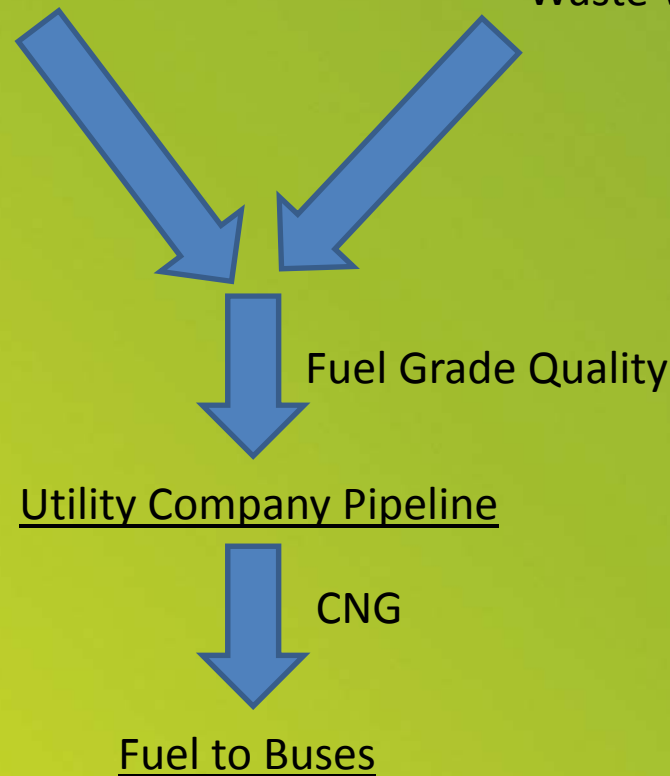


# Fossil vs. Renewable Natural Gas

Fossil Natural Gas  
Ground Extraction

Renewable Natural Gas

- Landfills
- Dairies
- Waste Water Treatment Plants

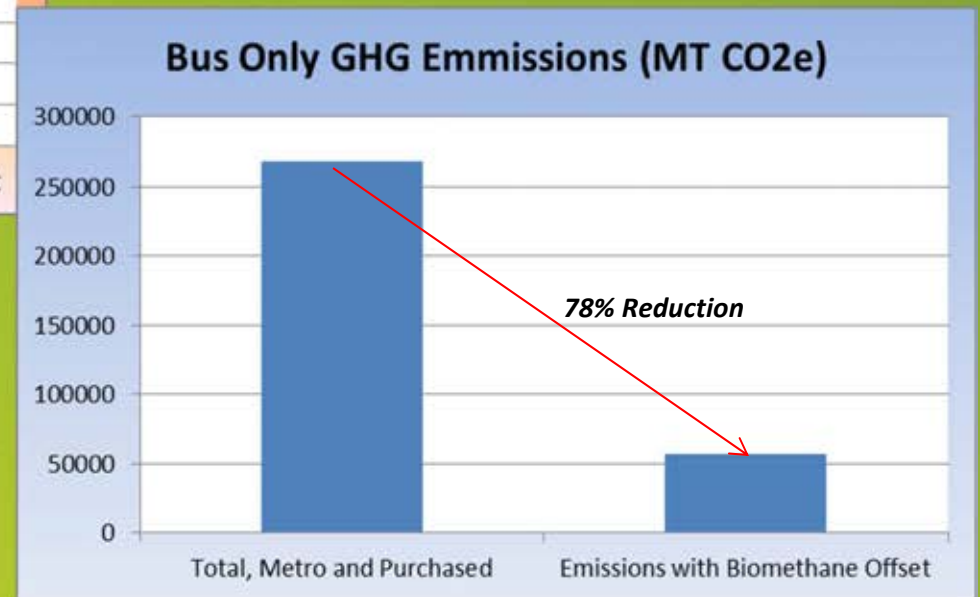
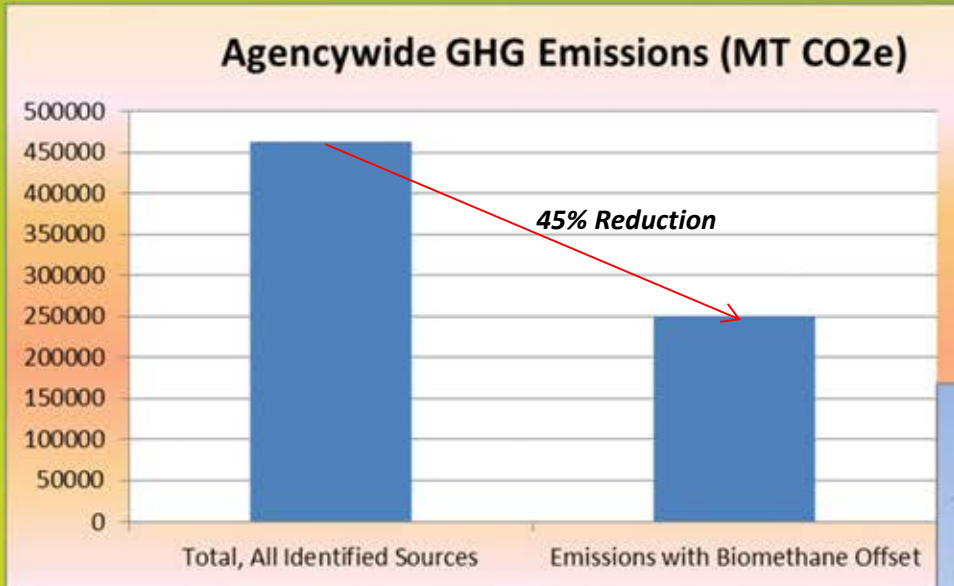


# Biomethane Use at Metro

- Pathway 1 vs. Pathway 2
- Environmental benefits
  - Less Carbon Footprint
  - Low Carbon Fuel Standard Credits
- No operational or infrastructural changes
- At par or lower cost than fossil natural gas



# Greenhouse Gas Emissions Reductions





# Procurement

- Schedule
  - April 16: Completed Initial Procurement Documents
  - May 20: Issue Solicitation
  - July 13: Proposal due date
  - October 22: Board Approval of Award
- Biomethane Sources
  - Local sources are already being used
  - Most are out of state



## Emerging Issues

- Biomethane procurements by other agencies
  - Option to purchase
  - Foregoing the right to carbon credits or value sharing
- Propulsion power and LCFS credits
  - Still needs some work
  - Staff estimates about 25k to 35k credits to Metro based on current methodology
- Other fuels



Metro



## Questions/Discussion

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