

Enbridge Energy Partners, L.P.

Environment, Health & Safety



Optical Imaging to Detect  
Leaks in Gas Gathering  
Pipeline Systems

# Enbridge G&P Assets



- Gathering and Processing in TX, OK, LA, MS, & AL
- 10,000 Miles of Pipeline
- 34 Processing and/or Treating Plants
- 130 Compressor Stations
- 600,000 hp of gas fired compression

# EPA Natural Gas Star Program



- Enbridge joined in December 2003
- Environmental Stewardship in our US Operations
- Program benefits the Environment and Enbridge
- Enbridge wanted to immediately have an impact.



# Aerial Optical Imaging



- Been conducting aerial surveys since 2004, primarily in North Texas
- North Texas Assets large amount of older pipe, higher lost and unaccounted for gas
- Contracted Leak Surveys, Inc. to perform monthly surveys
- From 2004 - 2007 found and fixed 124 pipeline leaks

# Summary



**Optical Imaging is a cost effective method of performing leak surveys which can supplement or replace traditional pipeline leak survey methods. Enbridge will continue to utilize this technology throughout our operations to locate sources of gas loss on pipeline systems.**