

# DCP METHANE EMISSIONS FIND IT FAST, FIX IT FAST

15<sup>th</sup> Annual Natural Gas STAR  
Implementation Workshop

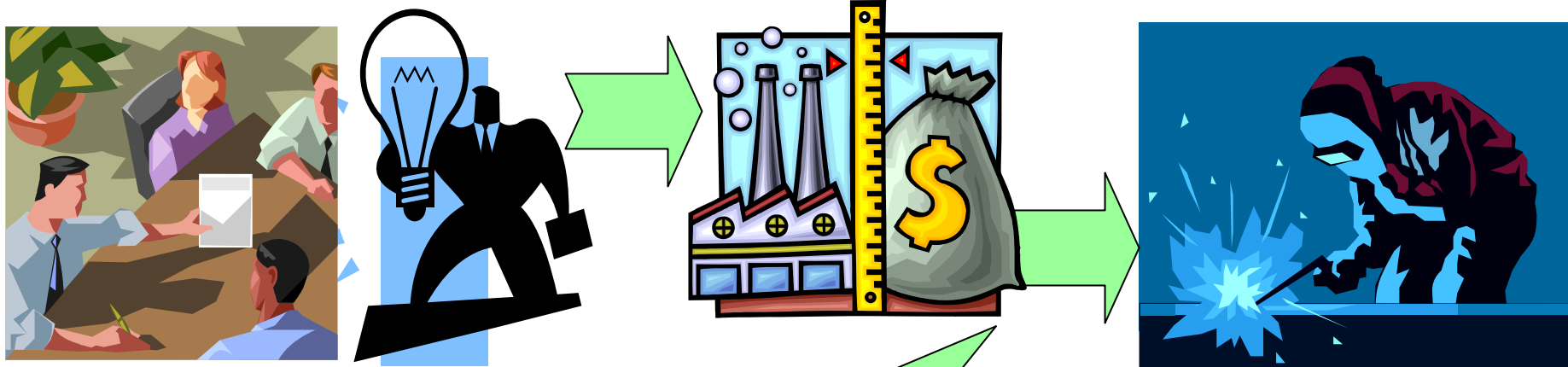
11/13/08



# Goal and Objective

- Improve or maintain the calculated % of the difference between the MMBtu's that enter the system and the MMBtu sales that leave the system (NGLs, Condensates, and Residue)
- Establish a baseline
- Implement Best Practices
- Set a standard

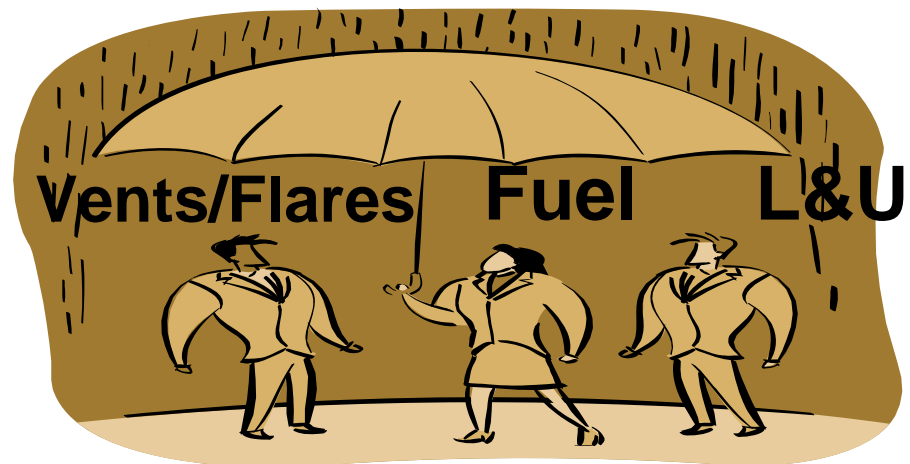
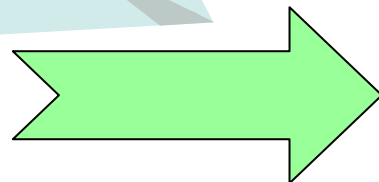
# BTU Efficiency Optimization Model



Asset BTU Team



**Methane Emission Reduction<sub>s</sub>**



# Methane Emissions

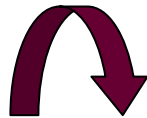
**Local BTU Teams Must Drive The Process – Empowerment**  
**Most Methane Emission is due to leaks**

**LEAKS (Pipeline, dumps, valves, blow downs, etc.)**

## **Find It Fast**



- Segmentation with Daily Balancing
- Laser – Aerial
- RMLD – Ground Follow-up to Aerial Laser
- Infrared Camera – Boosters & Plants



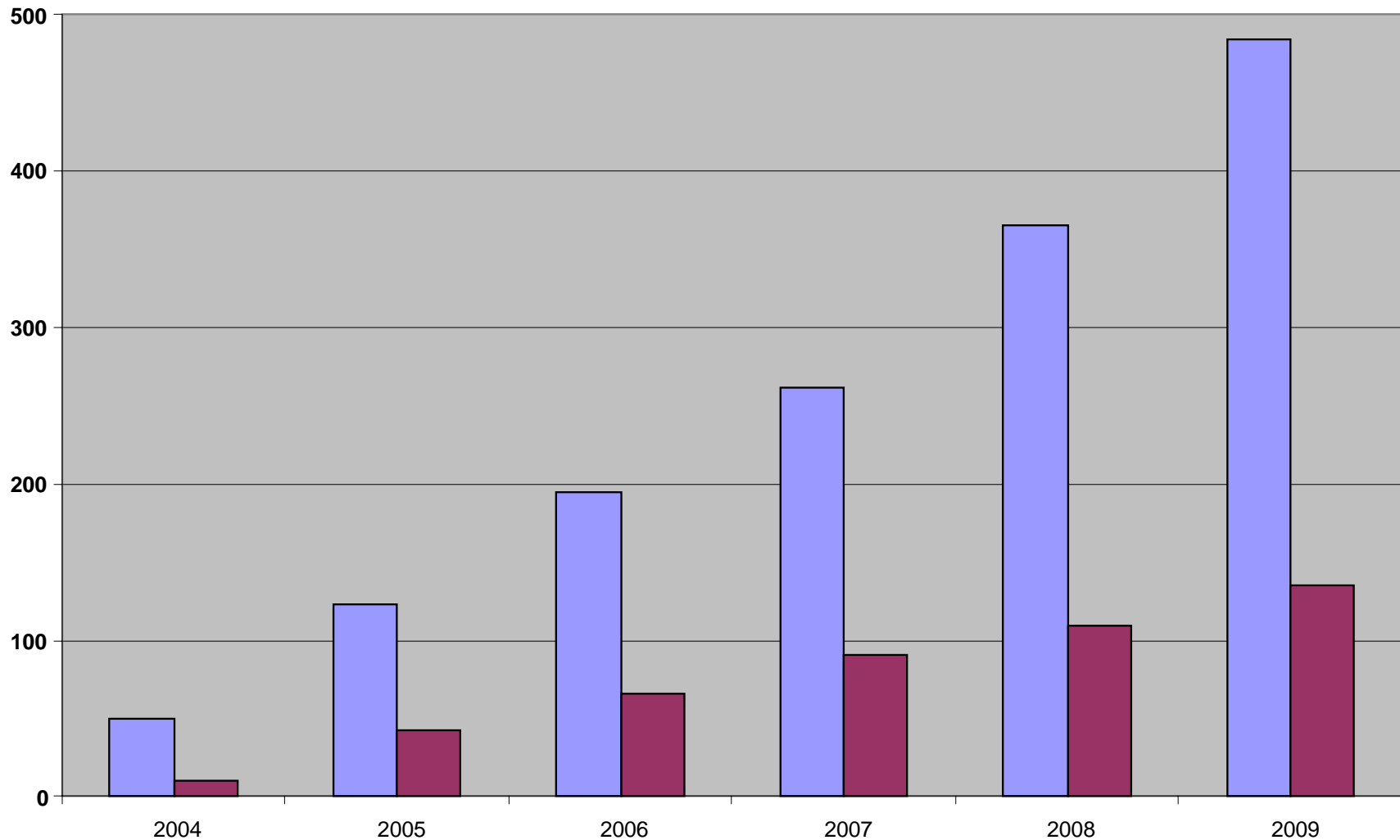
## **Fix It Fast**

- Operations Resources
- Commercial
- Accounting
- Pipeline Reliability
- Environmental Department

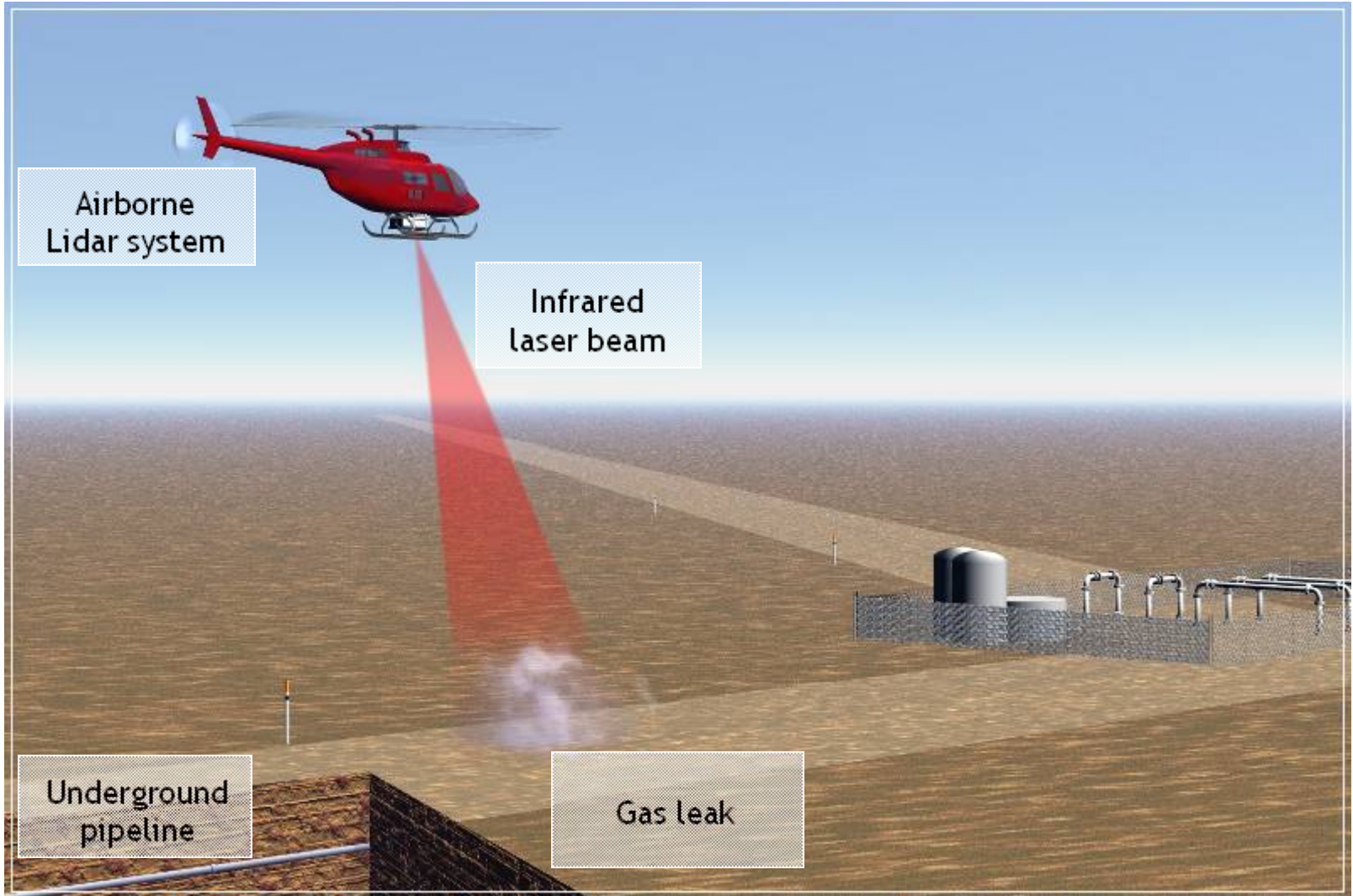
# IS IT WORTH IT??? \$4 FOR EVERY \$1 SPENT

## METHANE ECONOMICS

METHANE IMPROVEMENT    METHANE SPEND



# How ALPIS Works



# Conclusion

Future dictates full deployment of technology, constant vigilance for finding new technology and methods, and, above all, listening to all the members of the BTU Efficiency Team---

## DCPMidstream EMPLOYEES

Keys To Success: DO THESE FAST

- Balancing
- Listening
- Finding
- Fixing

Make sure everyone in your group understands the impact of methane emissions to the bottom line, the environment and to the safety of your employees and the community.

- Make sure you understand why your BTU efficiency is what it is – Good or Bad!

Questions?

Thank You!

