DCP METHANE EMISSIONS
FIND IT FAST, FIX IT FAST

15th 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 Reductions

Vents/Flares  Fuel  L&U
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

2004 2005 2006 2007 2008 2009
How ALPIS Works

- Airborne Lidar system
- Infrared laser beam
- Underground pipeline
- Gas leak
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!