Low Cost Solutions for Methane Reductions in Transmission Facilities

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Discussion Overview

- Briefly discuss several low cost tools and products available on the market designed to identify the presence of fugitive gas.
- Discuss tools and products designed to “Do Something” about mitigating the fugitive gas.
- Group discussion on other available low cost solutions.

This presentation is simply an overview of available alternatives and is not intended as an endorsement.
Finding the Methane

- SNOOP or “soapy water”
  - Very time consuming
  - Labor intensive

- Utilize Technology
  - Simple Anemometers
  - Simple Flow Meters
  - Gas Imaging
  - Laser Detection Devices
Do Something to Reduce Fugitive Gas

Examples of Low Cost Devices to Do Something about Fugitive Gas.

- Leak Loc’s
- Packing Vent Monitors
- LEP Packing – Properly Installed
Installed Leak Loc
Do Something to Reduce Fugitive Gas

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Low Emissions Packing

**LEP**: Low Emissions Packing
Orientation of P303 Rings
LEP Packing Upgrade
Do Something to Reduce Fugitive Gas

Examples of Low Cost Devices to Do Something about Fugitive Gas.

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- LEP Packing – Properly Installed

- Any Others?
How about Using an I-R Camera?

* > 122.0°F

* < 63.8°F
Estimate Gas Volume

Low Cost Tools to Estimate Gas Volume

- Vent Bags
- Anemometers
- Orifice Plates
- Any Others?

Why estimate gas volume?
- Show payback or impact
Reasons to Mitigate Fugitive Gas

- Safety
- Environmental
- Regulatory – coming GHG Limitations
- It is the right thing to do!
- Other company “Costs”
Thanks for The Discussion!