Picarro Leak Surveyor
A Step Change in Leak Detection Capability

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What is the Picarro Surveyor™?

Perceived risk of our system is changing with 2/3 of all CNP leaks were Customer Reported.
  • **Safety is our number one priority**

The Picarro Surveyor™:
  • Surveys mains and services and identifies potential leaks via a vehicle.
  • This vehicle mounted gas leak detection device is 1,000x more sensitive than current leak detection technology.
  • Is capable of detecting leaks down to one part per billion in ambient air while reducing false positives from naturally occurring methane.
  • Measures and maps methane plumes in the air as the vehicle is driven offering a dramatic improvement over hand-held instruments used in walking surveys.
  • Facilitates repair teams to pinpoint actual leak location and grade the leak.

CNP has conducted pilots in Houston & Minneapolis to evaluate Picarro’s performance as compared to current methods; both pilots reported more than 5x improvements in leak find rate and about a 20% boost in productivity.
Picarro Technology Overview

Schematic of Picarro Surveyor

- Picarro CRDS isotopic methane analyzer and equipment installed in trunk
- Anemometer to measure wind speed and direction
- High-resolution GPS for location information
- iPad user interface for driver
- Gas inlet tubing installed on front bumper
Picarro Surveyor™ for Natural Gas Leaks – Graphical User Interface

- Leak indication search area (LISA)
- Field of view
- Peak bubbles
- Isotopic analysis result
Paperless Application
Immediate Data to and from field

LISA's

Lisa 1, 6.95 ppm
Lisa 2, 2.03 ppm