

System Reliability through the Polar Vortex

Presented by Emily Rawlings, PE

System Reliability Manager

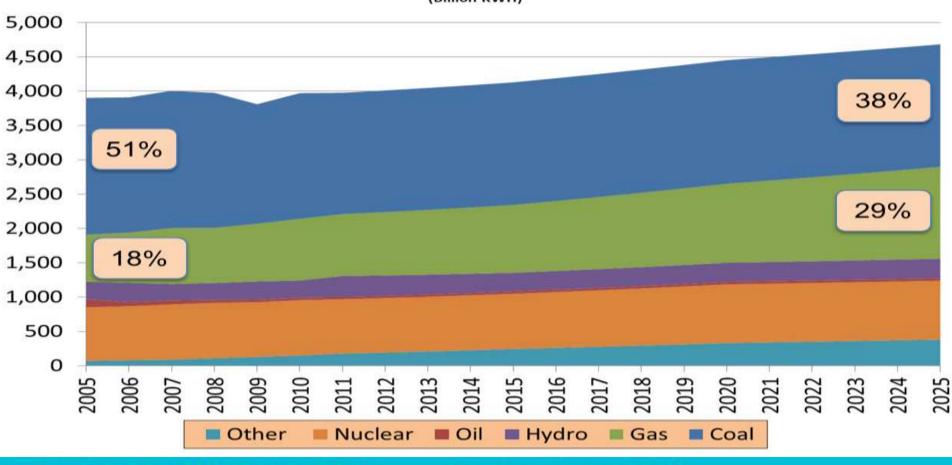


Agenda



- Industry and Company Synopsis
- Business Challenges
- Project and System Overview
- Tangible and Intangible Benefits
- Future Project Plans and Next Steps

US Power Generation by Fuel



Columbia Pipeline Group

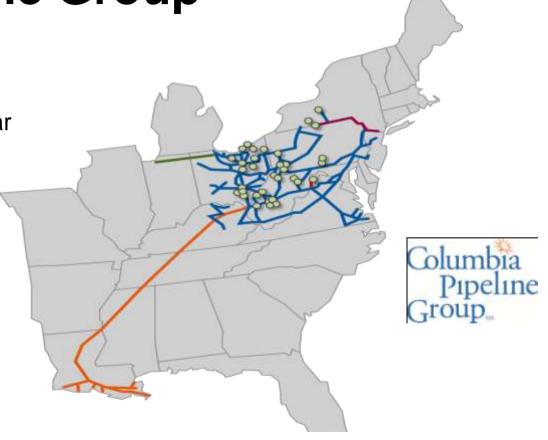
Pipeline

- More than 15,000 Miles
- Delivers approx 1.3 Tcf per Year

Compression

- 1.1 Million Horsepower
- 100+ Stations

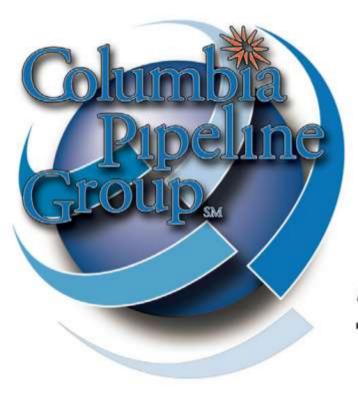
Commitment to safety and reliability, collaborative relationships, inclusive work environments, strong governance and transparency, and stewardship





Business Challenges

- Major compression asset failures affecting reliability of system
- Reactive vs Proactive use of data
- Concerns around operational data integrity



ENTERPRISE ANALYTICS

TRANSFORMING DATA INTO ACTION

SYSTEM RELIABILITY

Columbia Pipeline Group System Reliability

ENTERPRISE ANALYTICS

FRACAS

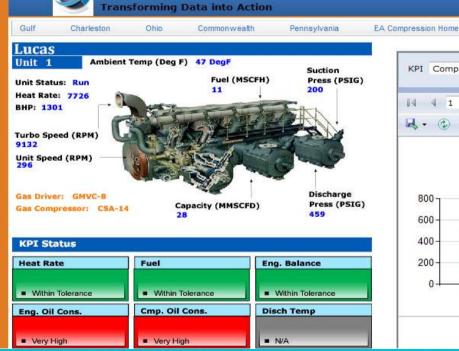
DEFECT ELIMINATION

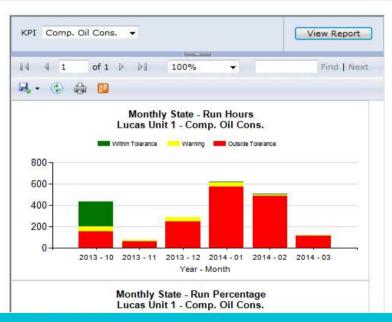
RCA

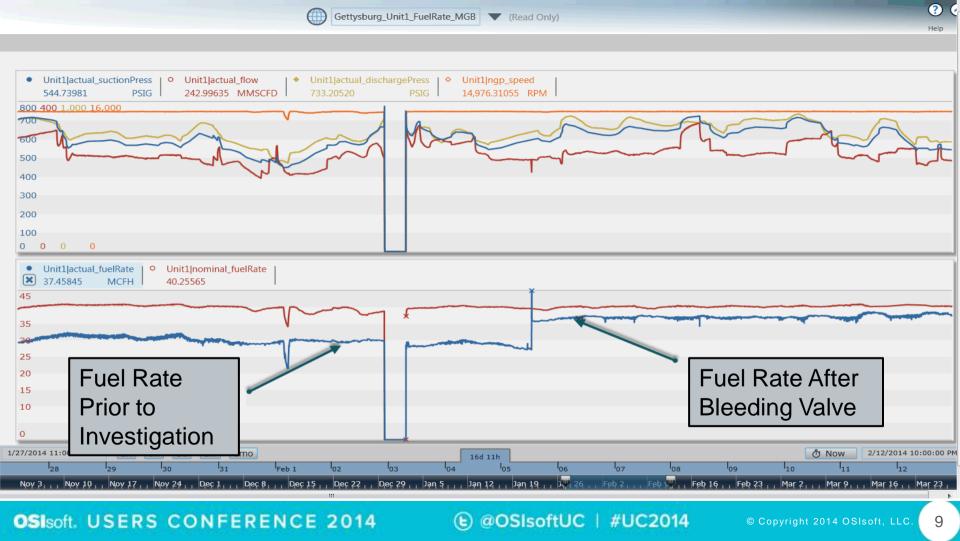
METRICS

GAS QUALITY

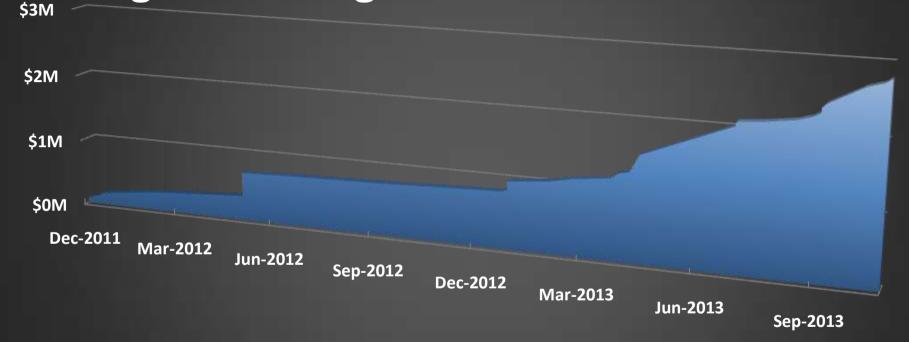
Enterprise Analytics







Tangible Savings From Event Prevention



Estimated Total: \$2.8M

Intangible Benefits

- Increased Customer Confidence
- Expanded Operational Visibility
- Improved Reliability and Availability of Assets

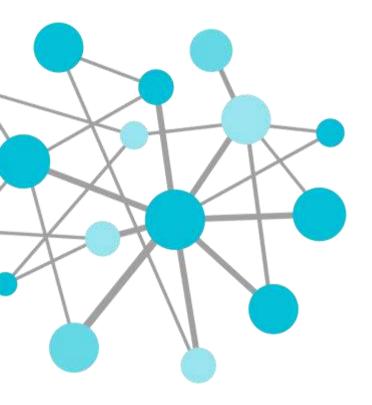


Future Project Plans and Next Steps

- Executive Level Dashboard
- Capital \$ Decisions
- Measurement System Pilot Dashboards

"I just wanted to thank everyone at CPG for helping us serve our customers reliably and safely through some of the most severe conditions we've experienced in years, maybe decades"

Key Customer (1/9/2014)



THANK Y()



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