



Natural Gas STAR

10th Annual Implementation Workshop

October 27 - 29, 2003

Partner Experiences

Presented by
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Overview

- Background
 - Who We Are
 - Where We Are Located
- STAR Program Implementation
 - Emissions Reductions Over the Years
 - Ongoing Commitment
- Future Opportunities

Who We Are

Gas Transmission Northwest
Corporation (GTN)

a subsidiary of

National Energy & Gas
Transmission, Inc.



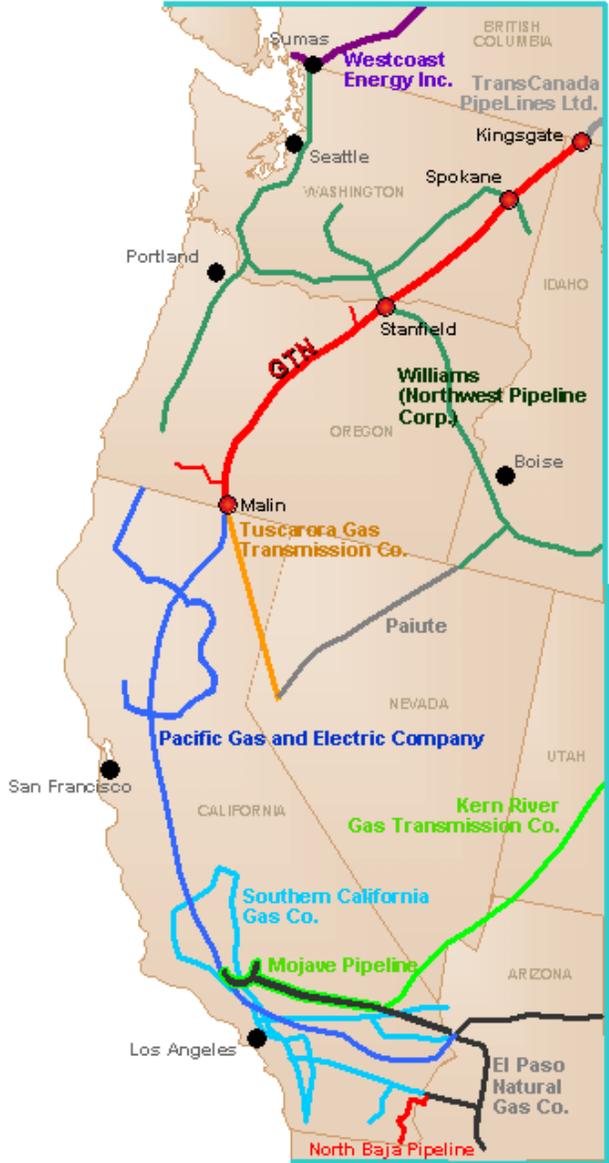
Gas Transmission Northwest

- 612.5 Miles – Dual Lines
- Through ID, WA, OR
- 2.9 Bscf/day
- 12 Compressor Stations
 - 2-3 Compressors Each Station
 - 517,810 HP (ISO) Total

North Baja Pipeline, LLC

- Owned and operated by GTN
- 79.8 Miles – Single Line
- Through AZ and CA
- 500 MMscf/day
- 1 Compressor Station
 - 4 Compressors
 - 28,160 HP (ISO)

Gas Transmission Northwest



Environmental Policy

GTN is committed to being an environmental leader by providing safe, economical and reliable products and services in a responsible and environmentally sensitive manner.

Gas STAR Implementation

- MOU Signed Fall 2000
 - Good for Environment
 - Good for Business
 - Right Thing To Do
- Gas STAR Principles in Line With GTN Environmental Policy/Principles
- Reducing Methane Emissions “Operationalized”

Commitment to Program

- Many BMPs / PROs in Place Before Entering into Program
- Way We Do Business
 - Frequent Inspections
 - Installation of Double Seated Discharge Valves
- Annual Env Goals / Footprint Reduction
- Team Effort

Savings Reported

- 8.8 Bscf of Methane Reduced
(through 2002)
- Gas Value of Approx. \$26.5 Million
(\$3/Mscf)
- Major Savings From:
 - Reduced Frequency of Engine Starts
 - Reduced Local Blowdowns
 - Replacement of Wet Seals
 - Altered ESD Practices
 - Inspection/Maintenance

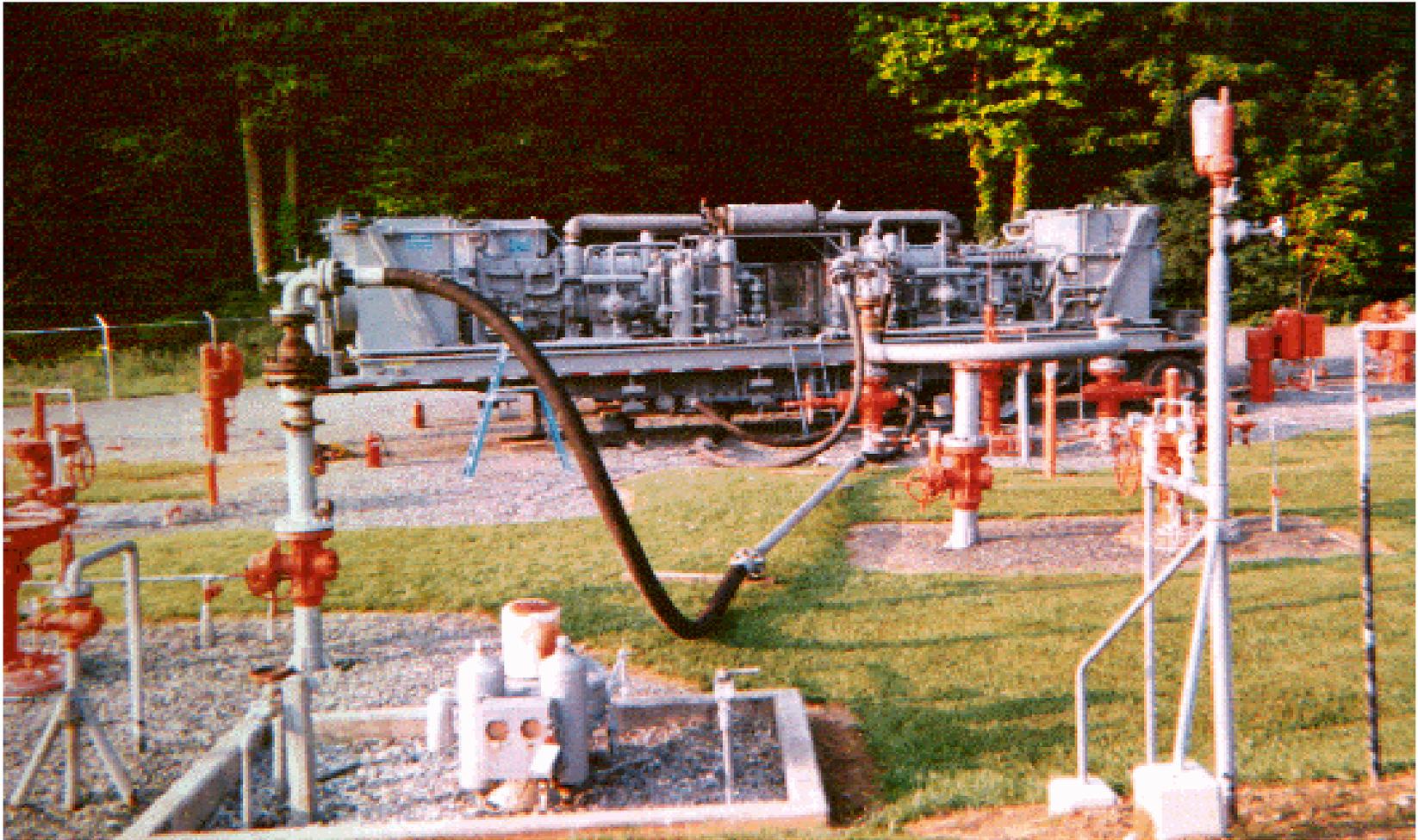
Future Opportunities

- Reduce Frequency of Engine Cleaning
 - Currently Scheduled Based on Time
 - Change to Based on Need
- Use of Low or No-Bleed Valve Operators
 - For New and Replacement Operators
- Mainline Drawdown Project – Proposed

Proposed Drawdown Project

- Use Portable Compressors to Remove Gas From Pipeline
- Normal Pressure Reduction
 - 200-300 PSI Reduced
 - 600-700 PSI Remaining
- Goal: Reduction to at Least 100 PSI
- Associated Issues

Proposed Drawdown Project



Example of portable compressor

Summary

- Gas STAR Principles Are “Operationalized” into Culture
- Program is Vehicle to Share Successes
- More Opportunities to be Discovered