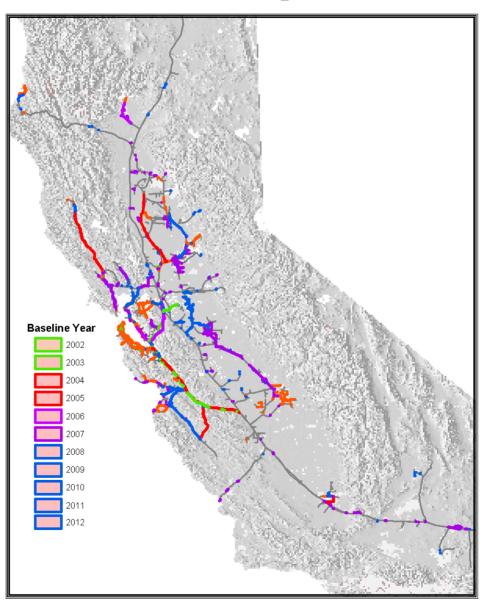
Segments Outside HCAs

Andy Drake
Director - Codes, Metallurgical Services & QA
Duke Energy Gas Transmission

Chairman, INGAA Pipeline Safety Committee & Integrity Task Team

PG&E Baseline Inspection Plan







Overall Scope

2192 miles to assess 1673 miles of "covered" transmission lines

- ⇒ 394 miles assessed during 913 miles of ILI
- ⇔ 60 miles of Pressure Testing or Reduction
- ⇒ **6.5** miles of Pipeline Replacement

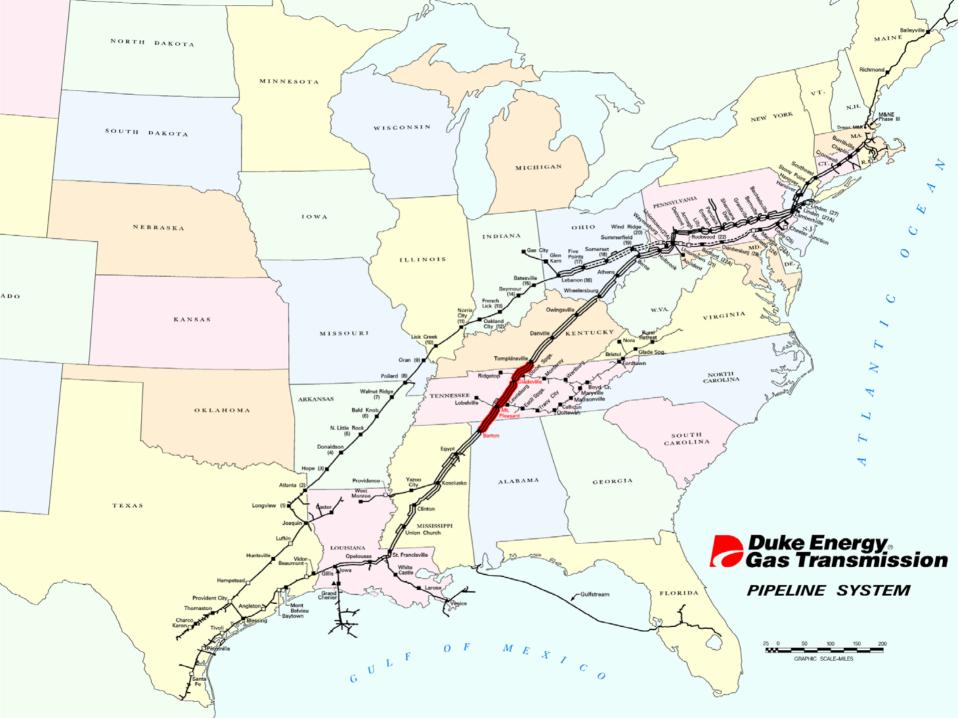
WHILLSDAUE BLVD 60NKER HILL OR Identified Site Day Care ΡΙΖ No Identified Sites w/i PIC ΡΙΖ Crystal Springs Reservoir Identified Site San Mateo Juvenile Hall No Identified Sites w/i PIC Pipeline 132 No Identified Sites w/i PIC Runs from Milpitas (MP 0.00) to San Francisco (MP 51.53) Class = 3 (in this area) Upper Crystal Springs Reservoir OD = 30" MAOP = 375 psig PIR = 400.85 Assessment Method = ECDA

Identified Sites in Class 3

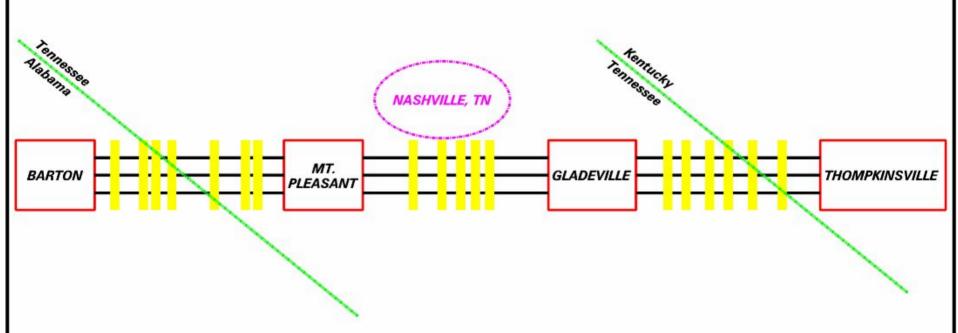


Prediction of INGAA Pipe Assessed

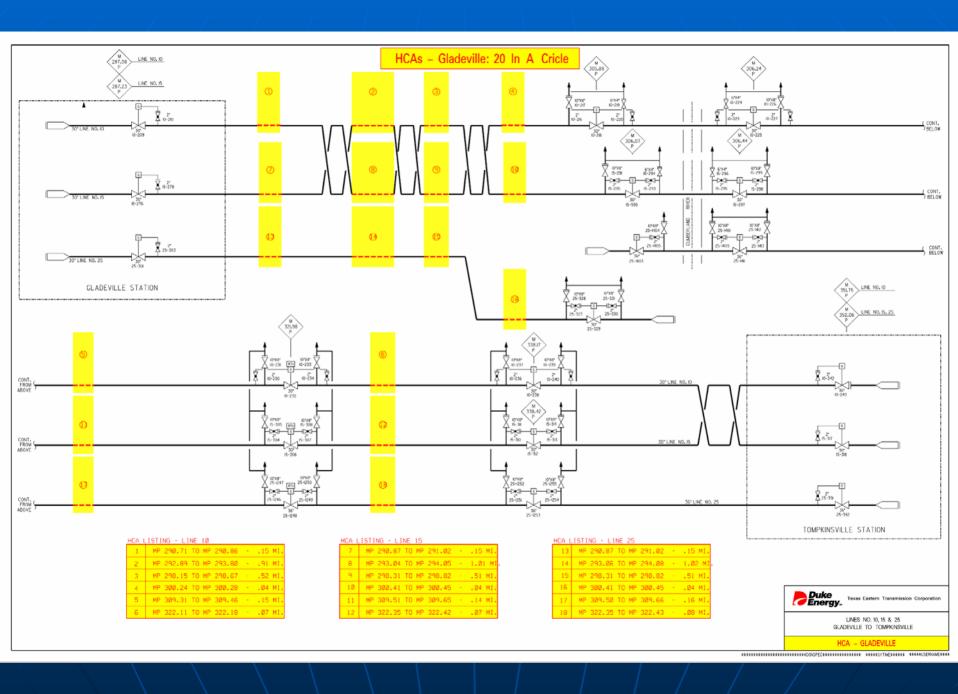


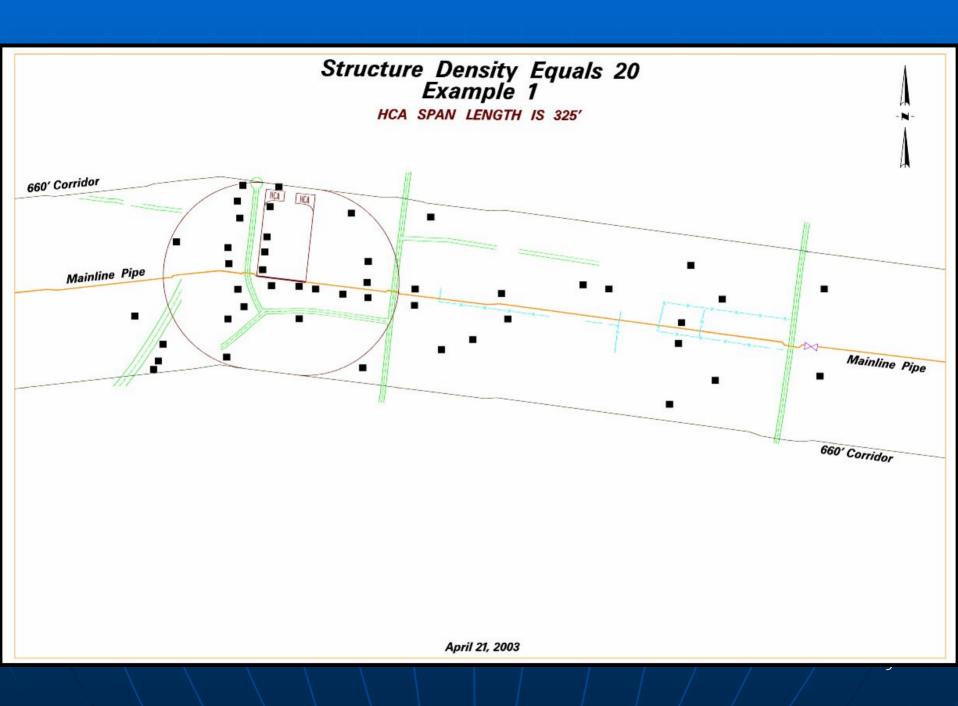


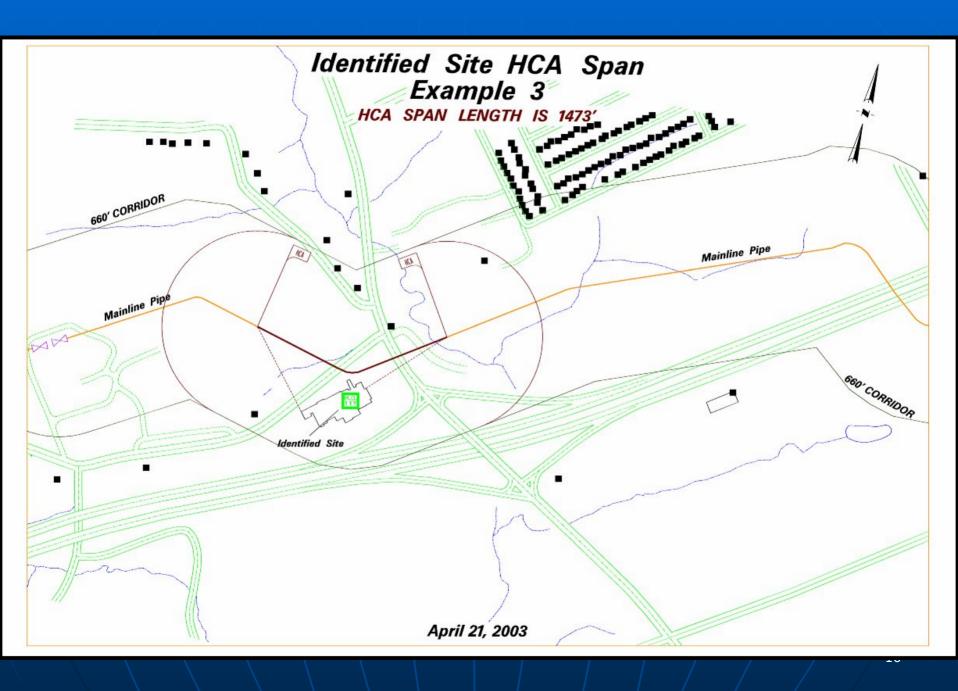
Duke Energy Gas Transmission HCA Sites

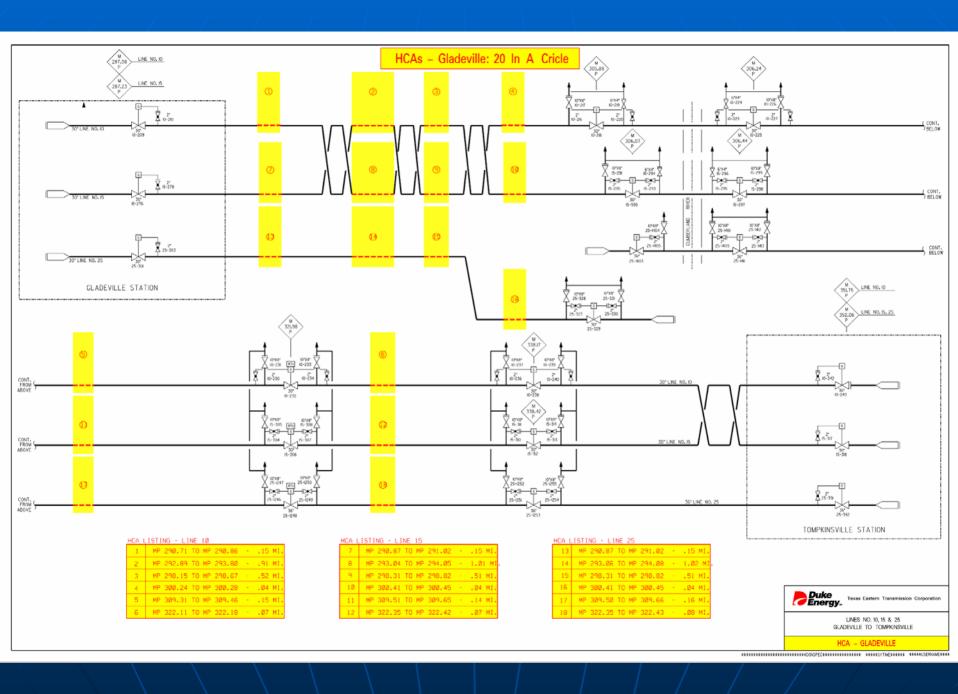


17 Total Miles of HCA's from 603 Pipeline Miles (3%)

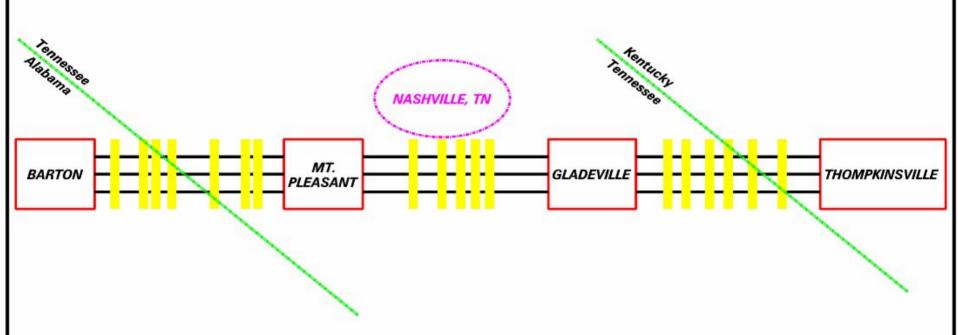




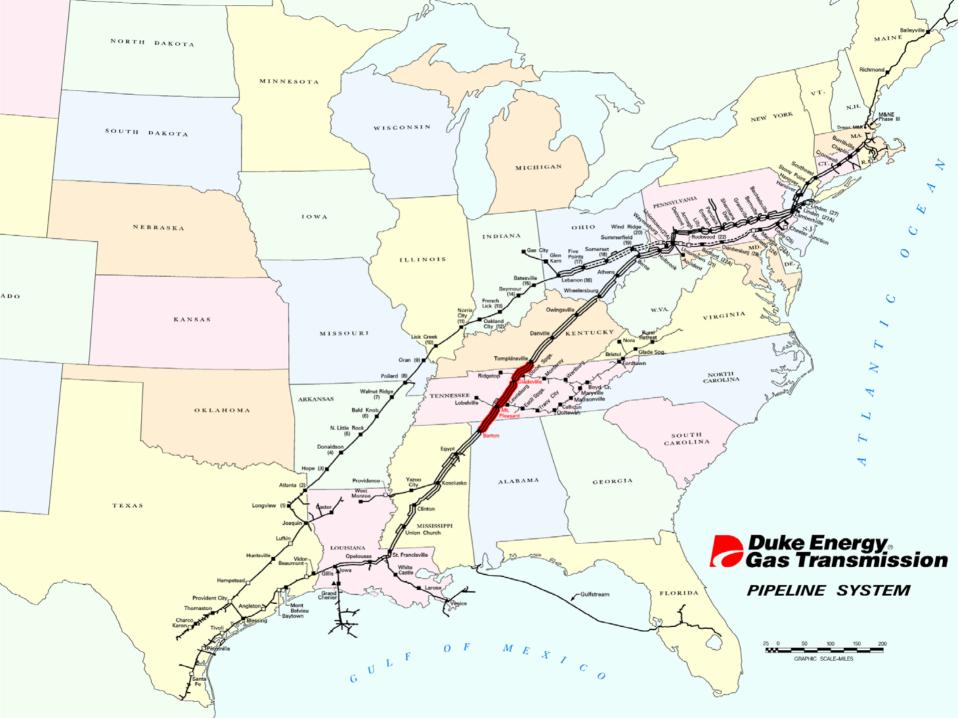




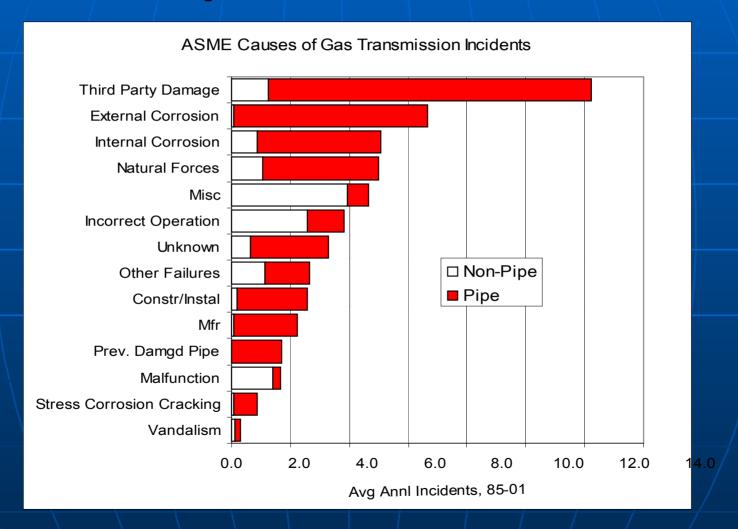
Duke Energy Gas Transmission HCA Sites

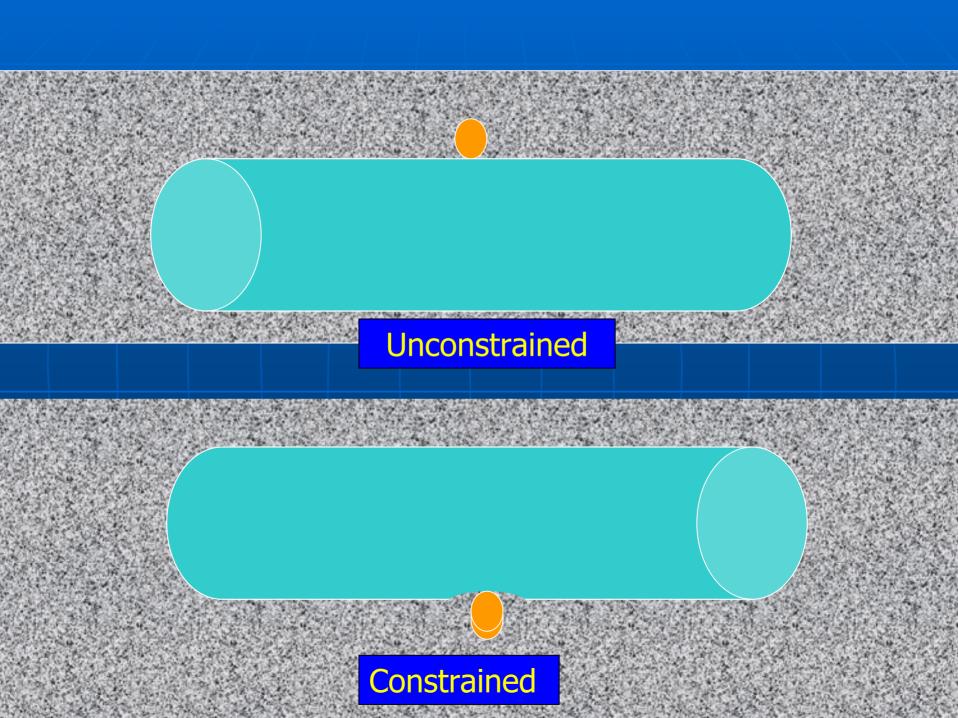


17 Total Miles of HCA's from 603 Pipeline Miles (3%)



Summary of Incident Causes





OPS IMP Performance Metrics System

- Company ID
- Name
- Password

12345

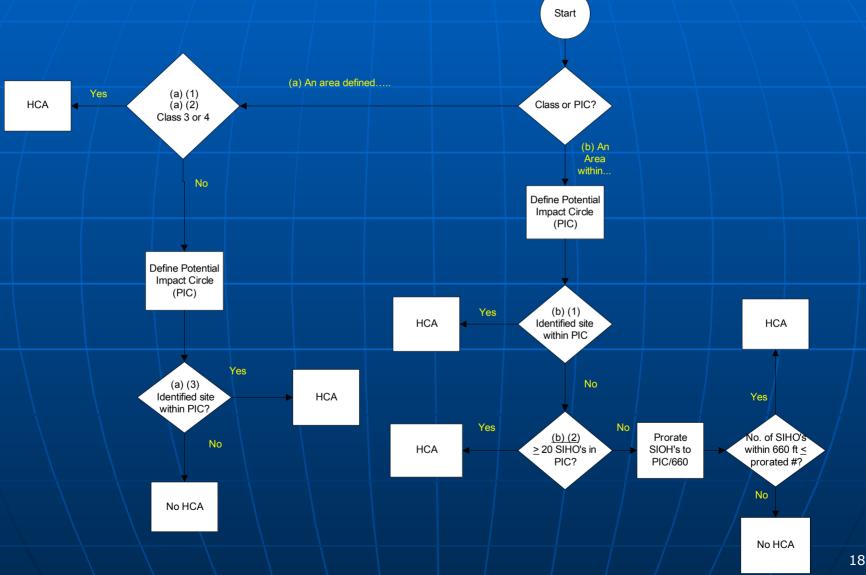
Joe Pipeliner

XXXXXXXX

OPS IMP Performance Metric System

Year
 Quarter
 Miles of HCA Assessed
 Immediate Defects Repaired
 Scheduled Defects Repaired

Alternate HCA Definition (INGAA/AGA)



Model Validation - North American Incidents

