

PODSTM



Pipeline Open Data Standard
2011 USER CONFERENCE

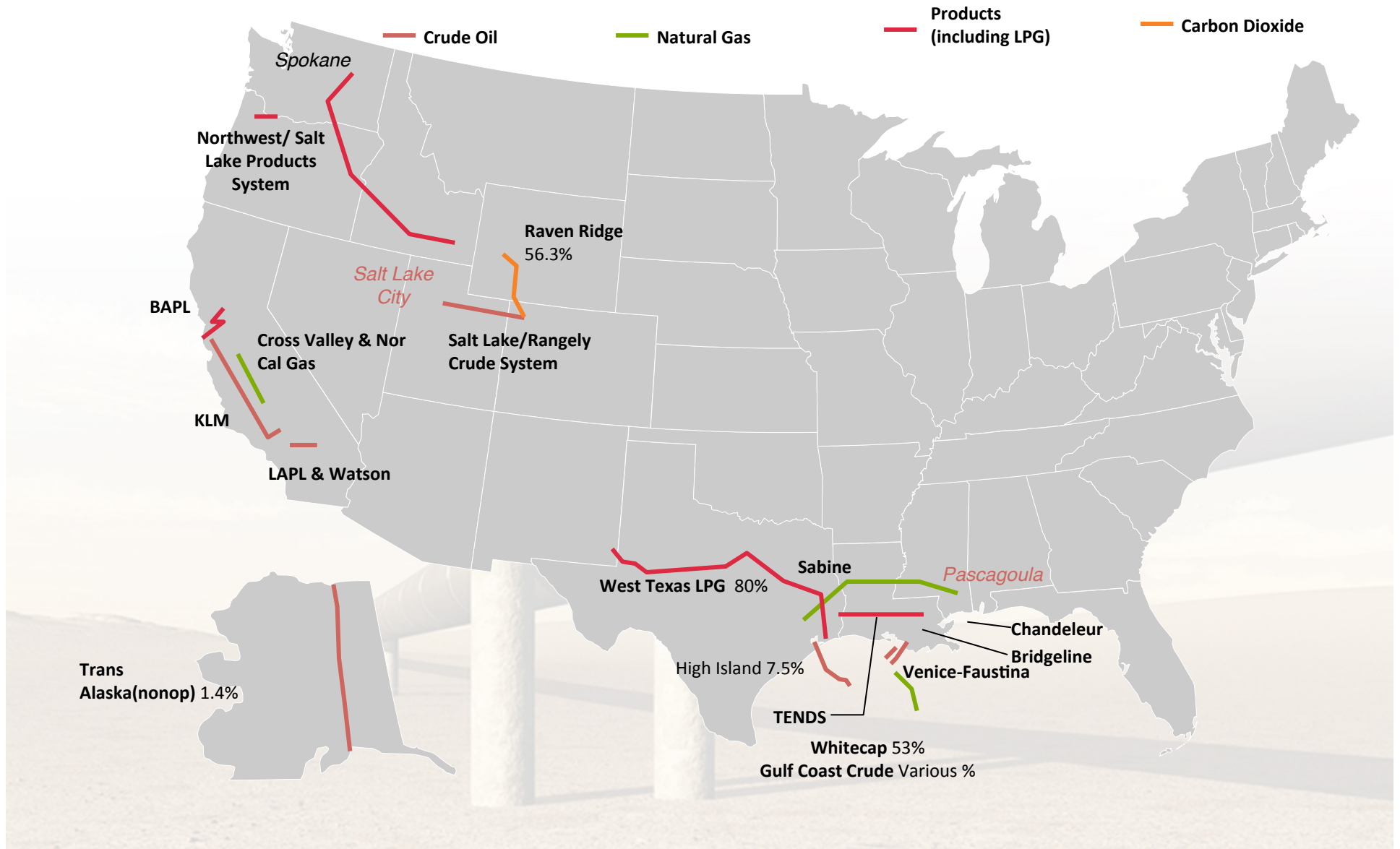
GPS Data in PODS
Chevron Pipe Line Company

By Jeff Cannedy



- As a transportation provider for Chevron Upstream and Downstream affiliates, Chevron Pipe Line Company's (CPL) 1,500 employees and contractors maintain and operate approximately 10,000 miles of pipeline.
- CPL is not an active merchant pipeline company. Our vision is to add corporate value through resource utilization that provides optimum transportation solutions.

Chevron Pipe Line Company Operated Pipeline Systems



Chevron Pipe Line Company Non-Operated Pipeline Systems

— Crude Oil
 — Natural Gas
 — Products (including LPG)
 — Carbon Dioxide



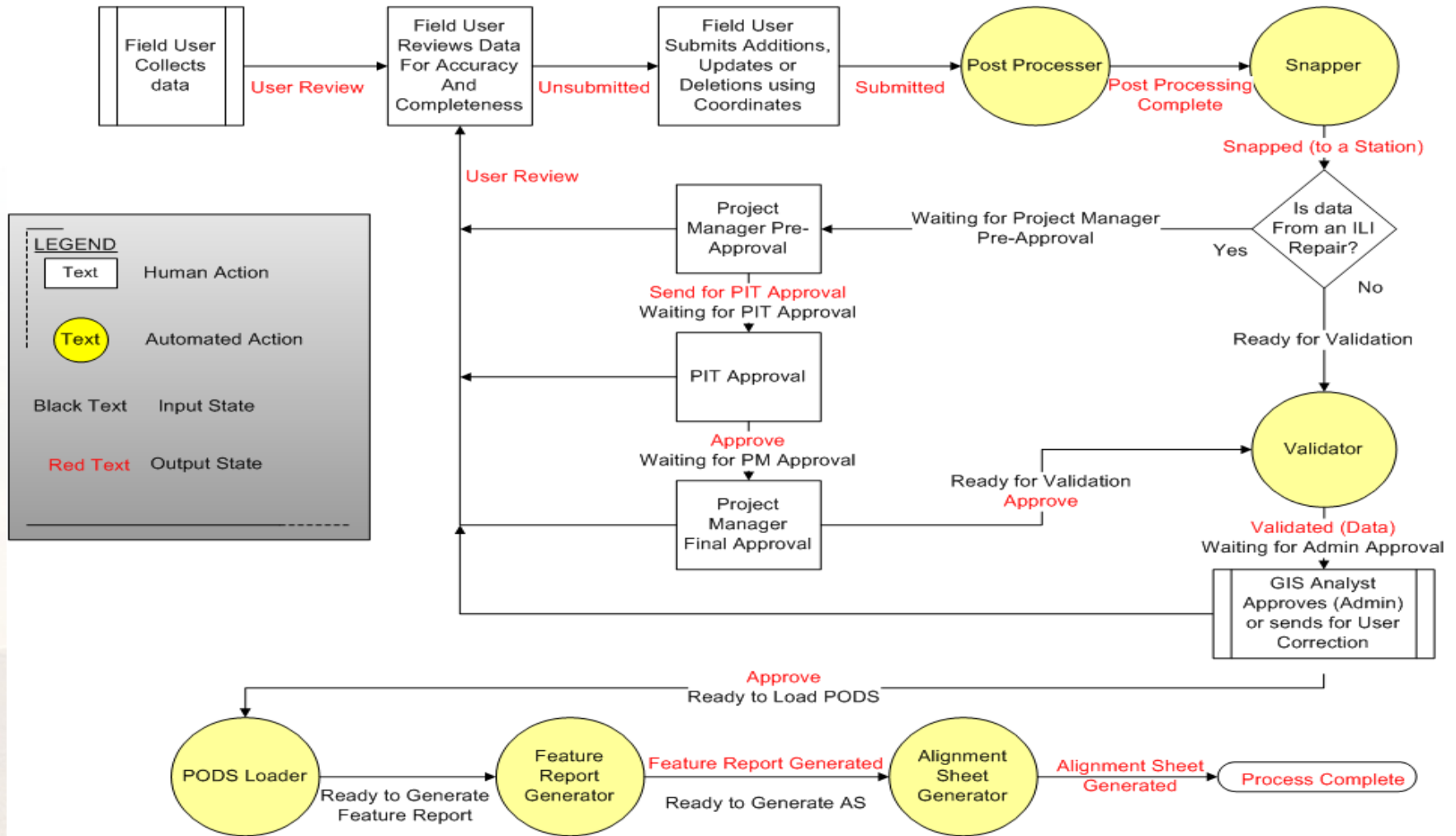
- CPL's centralized PODS implementation houses static asset information. Transactional data reside in other SAP and Control Center applications.
- Architecture is relational database using Oracle 10g and ARCSDE 9.2, PODS version 3.2 as a core, with V4 and v5 updates.

- A defined field data collection process is used for Company designed and managed maintenance and inspection activities. This data is typically collected by company personnel using Trimble hardware, and SDT Cartopac front-end software and EIM backend software.
- New construction data is supplied by third-party vendors in a preferred format

- We are currently working to further define CPL data governance to eliminate functional governance silos.



Chevron Pipe Line Company Field Data Collection Process



- Continue to assess hand-held data gathering options.
- Currently use web-based stationing and automated-based coordinate tools.
- Retain currency with vendor solutions.
- Use GPS for centerline corrections.

- Need to have a well defined deployment plan.
- Ensure data owners fully understand data governance.
- Successful pipeline management requires both coordinate based and stationed locations. PODS has not made it easy to manage both.
- Some remote locations do not have good base station coverage -> less accurate data.