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Pipe Line Company

Safety and Integrity

PIPA Presentation January 16, 2008
Arlington, VA

About CPPL

- Operates 11,000 + miles of pipelines in the continental United States
- Transports more than 3 million barrels per day of raw and refined petroleum products: crude oil, propane gasoline, diesel, jet fuel, and others

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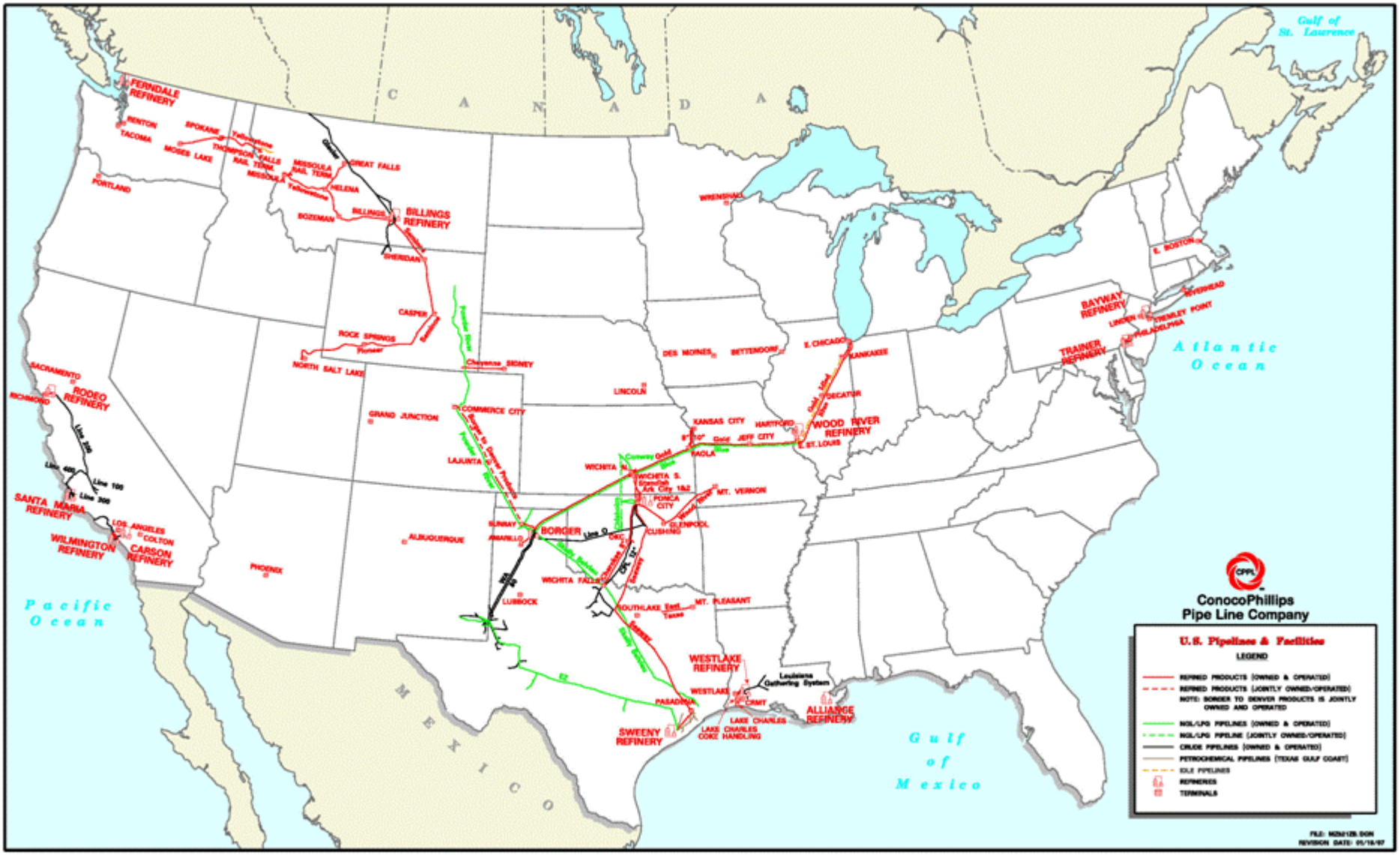
CPPL System Map



Safety and Integrity

- The safety of the public and our employees, and protecting the environment, are CPPL's top priorities.
- We operate our pipelines in accordance with all applicable federal, state and local regulations.
  - The U.S. Department of Transportation (USDOT), Pipelines and Hazardous Materials Safety Administration (PHMSA) is the federal agency that regulates interstate pipelines.

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Pipeline Safety and Integrity

- Aerial inspections
- Internal inspections
- Hydrotesting
- Corrosion protection
  - Protective coatings
  - Cathodic protection
  - Chemical inhibitors
- Pipeline markers
- One-call participation
- Excavator education and public awareness program

"Smart tool" or "smart pig" internal inspection device being loaded into a pipeline

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Call Before You Dig!

"Scoop"

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- Avoid pipeline emergencies by using one-call centers to locate buried utilities before digging
- Most states require 2-3 days notice before digging
- 811-- Nationwide one-call number

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811®
Know what's below.
Call before you dig.

Pipeline Markers

- Indicate <u>approximate</u> location of pipeline underground; does not indicate depth
- Provide type of product and emergency phone #

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Maintaining Rights-of-Way (ROW)

- Right-of-way is a strip of ground where utilities are buried
- Rights-of-way should be kept clear of trees, buildings, pools, etc.
- Clear rights-of-way allow easier access for inspection, maintenance and emergency response

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Right-of-Way Encroachments

Structures on ROW inhibit aerial surveys, maintenance and emergency response

Tree roots can damage protective pipe coatings

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Protecting Transmission Pipelines

- Emergency Access
- Maintenance
- 3rd Party Heavy Equipment
- Monitoring
- Encroachment Prevention
- Construction

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