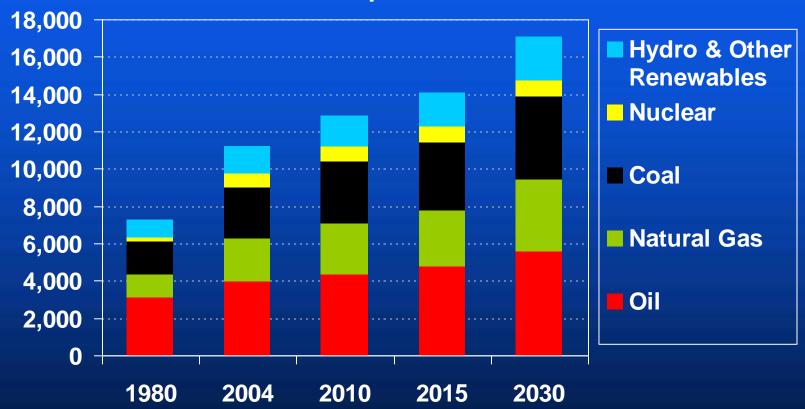


Wood River Refinery Expansion

March 9, 2009
Clint Rybak
Asphalt Business Manager

World Energy Demand Outlook

Million Tons of Oil Equivalent

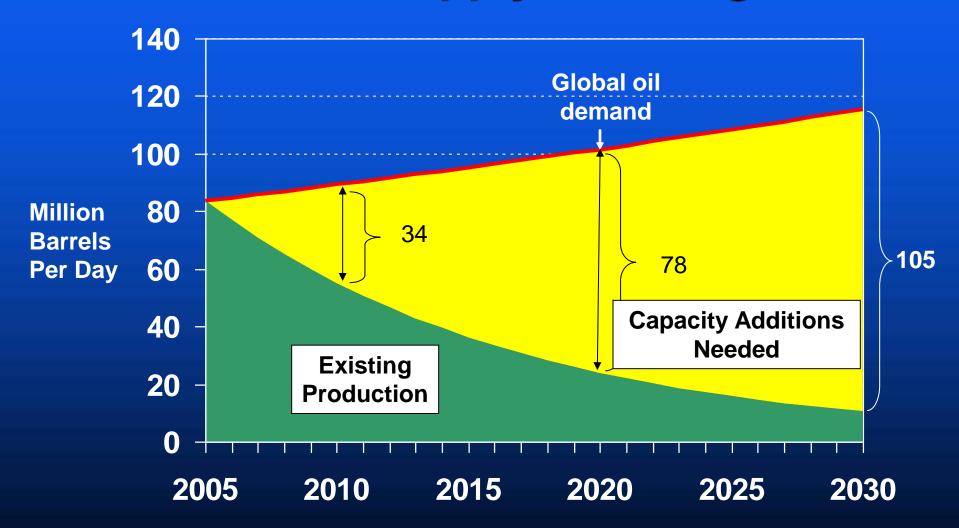


In 2030:

- Fossil fuels will still have over 80% market share
- Oil retaining over 30% share
- Natural gas is gaining share, reaching 24% in 2030

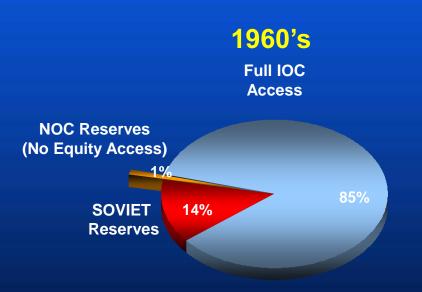


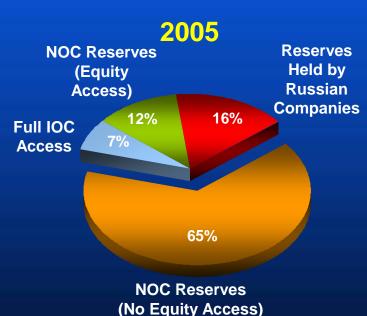
The Oil Supply Challenge





World Oil & Gas Reserves: 1960s vs. 2005 Drift Toward Constrained IOC Access





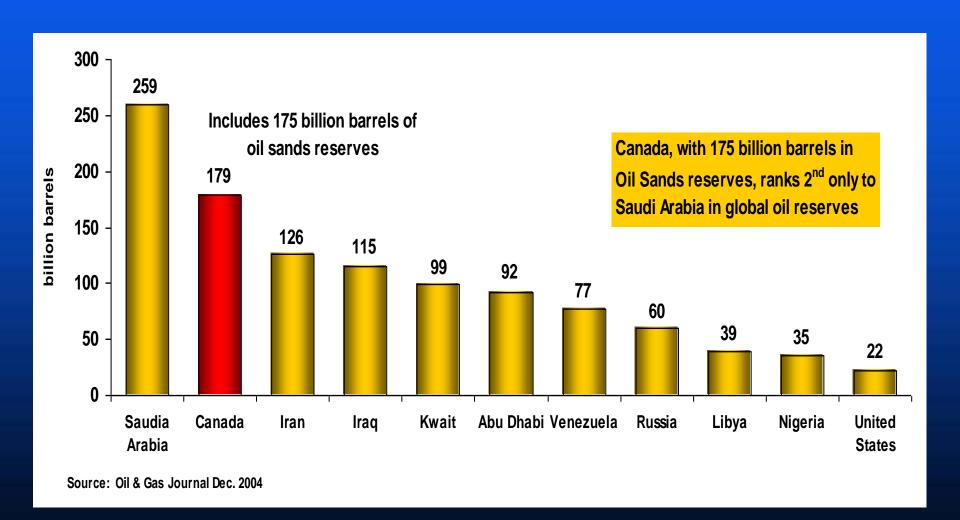
IOC = International oil company NOC = National oil company

Source: PFC Energy, Oil & Gas Journal, BP Statistical Review 2006

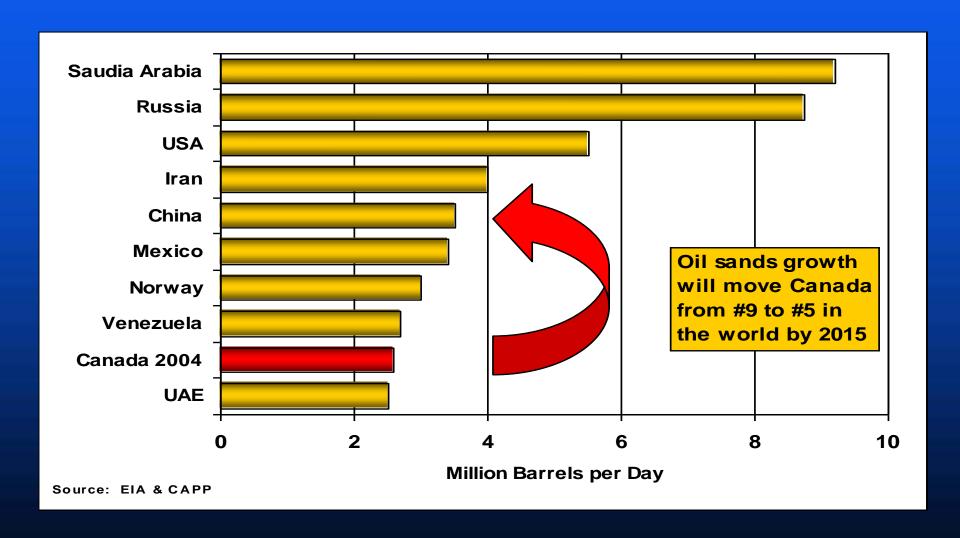
NOTE: Excludes unconventional crude oil and bitumen reserves



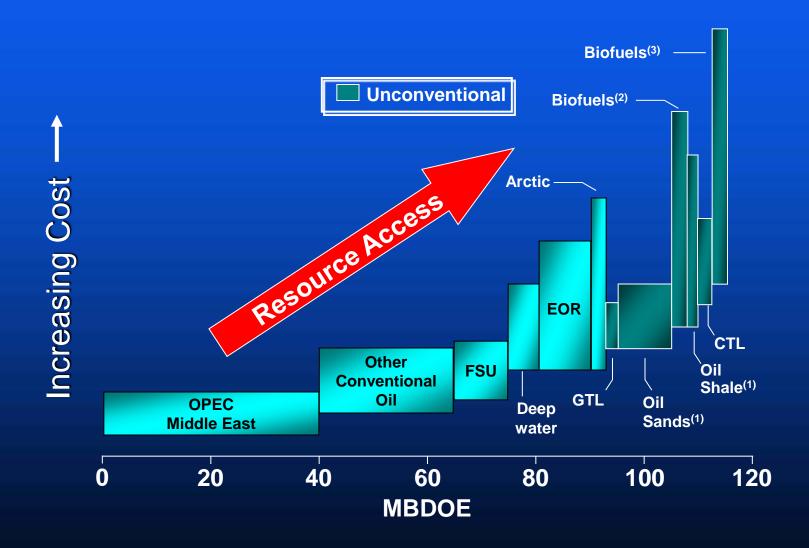
GLOBAL CRUDE OIL RESERVES BY COUNTRY



TOP 10 WORLD CRUDE OIL PRODUCERS IN 2004



Increasing Cost of New Oil Supplies



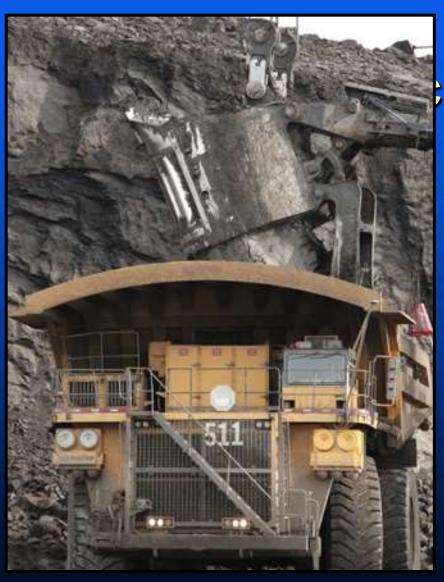
Canadian Oil Sands



Oil Sands to Bitumen

Before dilution for pipeline transportation





• Uses massive shovels and trucks to scoop the sand from the surface had the sign of the surface the surface the sand trucks to scoop the sand from the surface the sand trucks to scoop the sand from the surface the sand trucks to scoop the sand from the surface the sand trucks to scoop the sand from the surface the sand trucks to scoop the sand from the surface the sand from the

- Taken to crushers, where hot water is added before sent to extraction plant.
- Bitumen is extracted from oil sand and water is pumped into settling ponds.
- Typically associated with local upgrading to Synthetic Crude Oil.
- Only 20% of oil sands can be mined.
- The land is reclaimed after it is mined.

ConocoPhillips

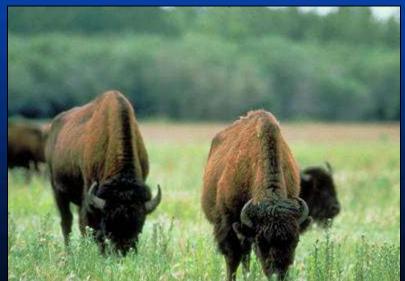


Mining Reclamation

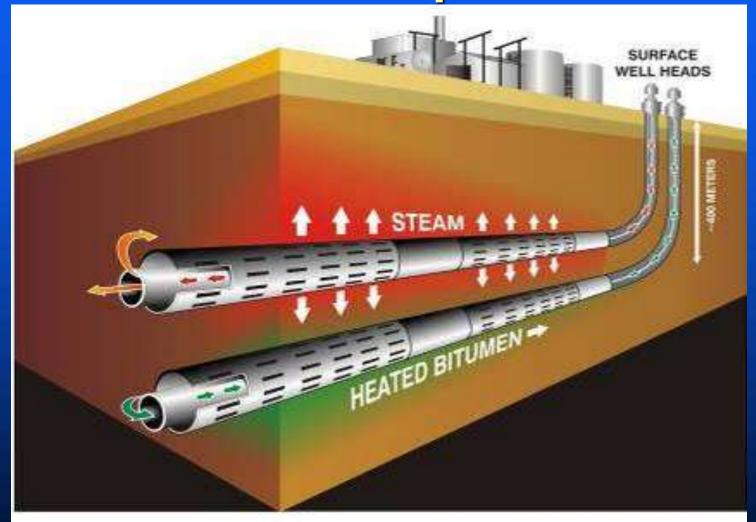








Extraction Techniques: SAGD



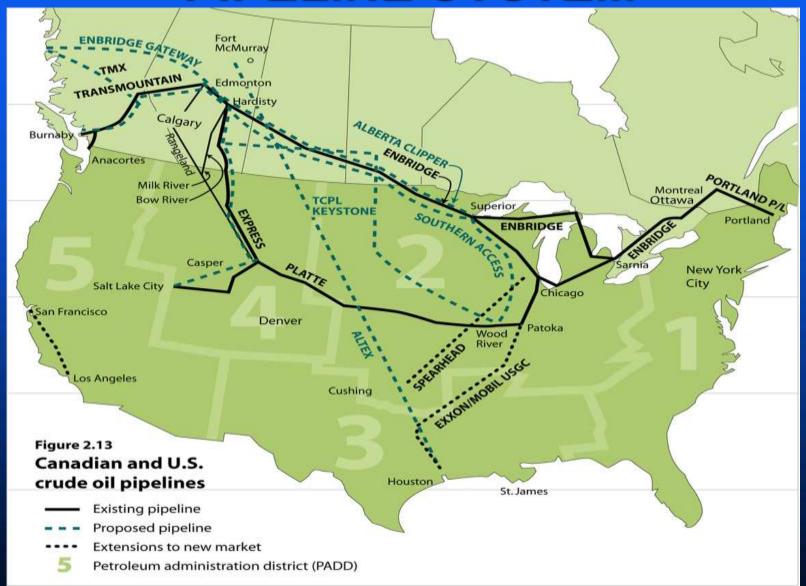
SAGD = Steam Assisted Gravity Drainage

SAGD Footprint



SAGD development has a similar footprint to conventional oil and gas development with the exception of GHGs, which we're working to address through technology. ConocoPhillips 14

PIPELINE SYSTEM



WOOD RIVER REFINERY TODAY

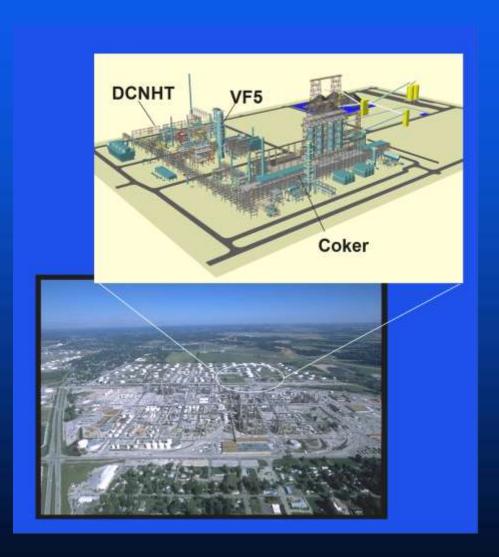
- Built in 1917
- Tenth Largest Refinery in US
- 800+ Employees
- ~30% Heavy crude processing capability
- 306,000 BPD crude processing
- Main Products Include
 - Gasoline
 - Diesel Fuel
 - Asphalt
 - Jet Fuel



WOOD RIVER'S FUTURE

CORE Expansion Will:

- Create More Than 1,500
 Construction Jobs Between
 2008 and 2011 at Refinery
- Increase the Refinery's Employment 5%
- Increase Canadian Crude Processing Capability to > 50%
- Meet the Projected Future Demand for Transportation Fuels in the Midwest
- 356 BPD Crude Processing
- Products Include
 - Gasoline
 - Diesel Fuel
 - Jet Fuel
 - Asphalt

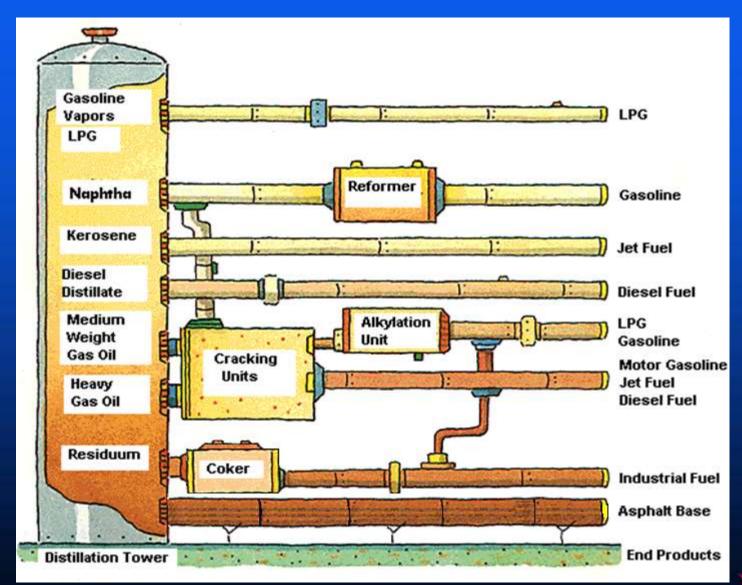


WOOD RIVER'S FUTURE

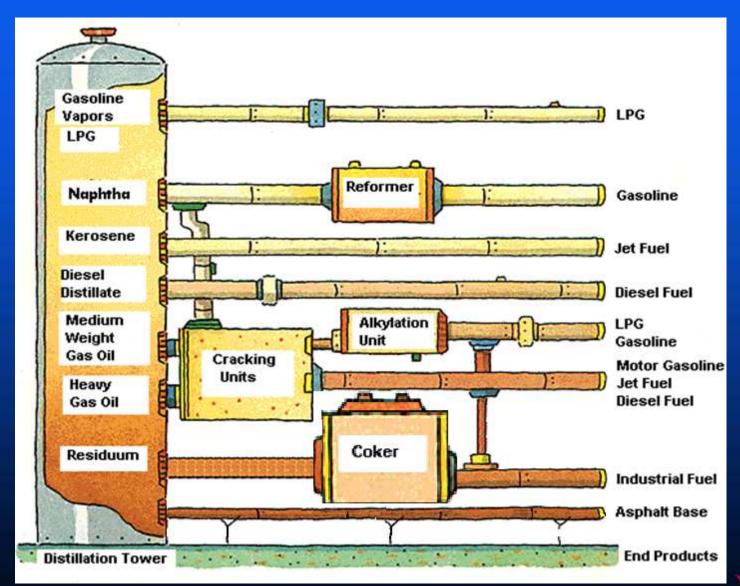


- Full Bitumen Expansion
 - Continue to Provide
 Significant Construction
 Jobs Through 2015 and
 Further Increase Refinery
 Employment
 - Increase Canadian Crude Processing Capability to 100%
 - Expanded Crude Processing
 - Products Include
 - Gasoline
 - Diesel Fuel
 - Jet Fuel
 - Asphalt

REFINERY CONFIGURATION - PRESENT



REFINERY CONFIGURATION – FUTURE



Questions?