



SaskPower's Clean Coal Power Project

CLEAN ENERGY TECHNOLOGIES

Bill Reynen CSLF Deployment Workshop March 27, 2007







es The Saskatchewan Advantage

300 MW (near) Zero **Emissions** Pulverized Coal Plant in 2011?

Legislated Requirement to Serve

Fuel Availability

Capacity Need

Environmental Stewardship

Kyoto Protocol

Proven Sequestration Effectiveness

Value for CO₂

Fed/Prov Cooperation (MOU)

Work of the PTRC, SRC, ITC

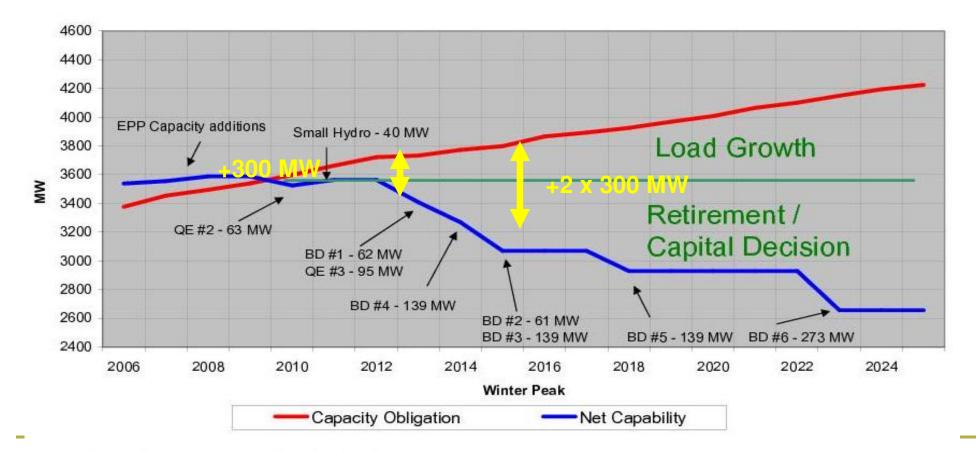
Technical/Financial Capacity



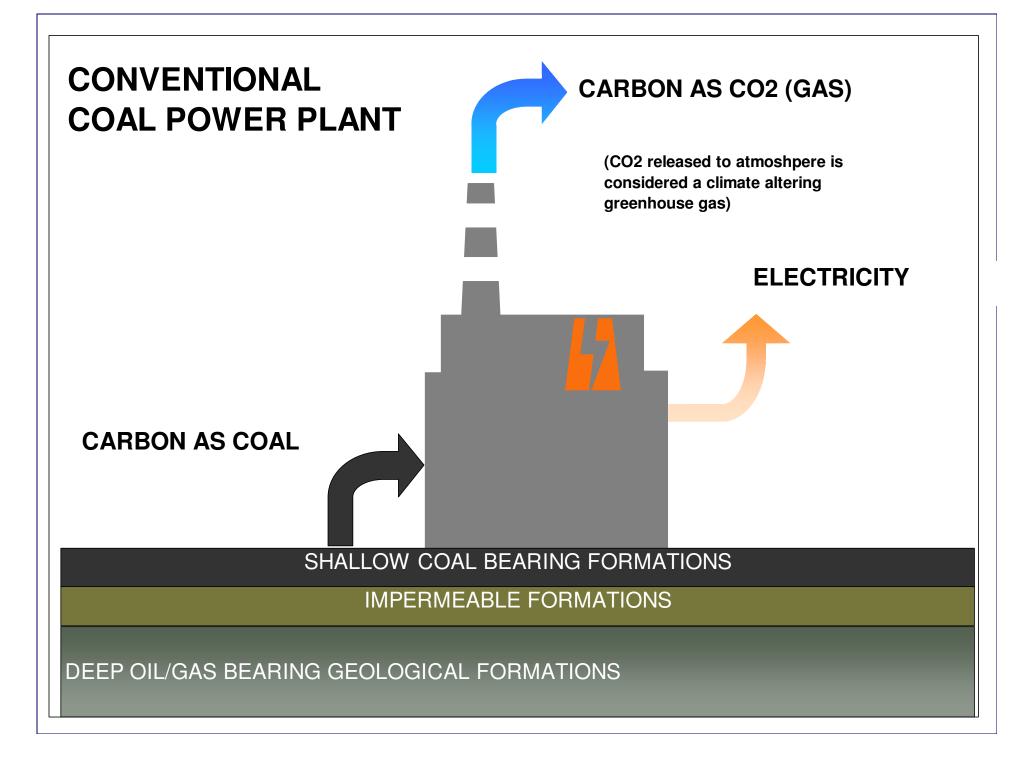


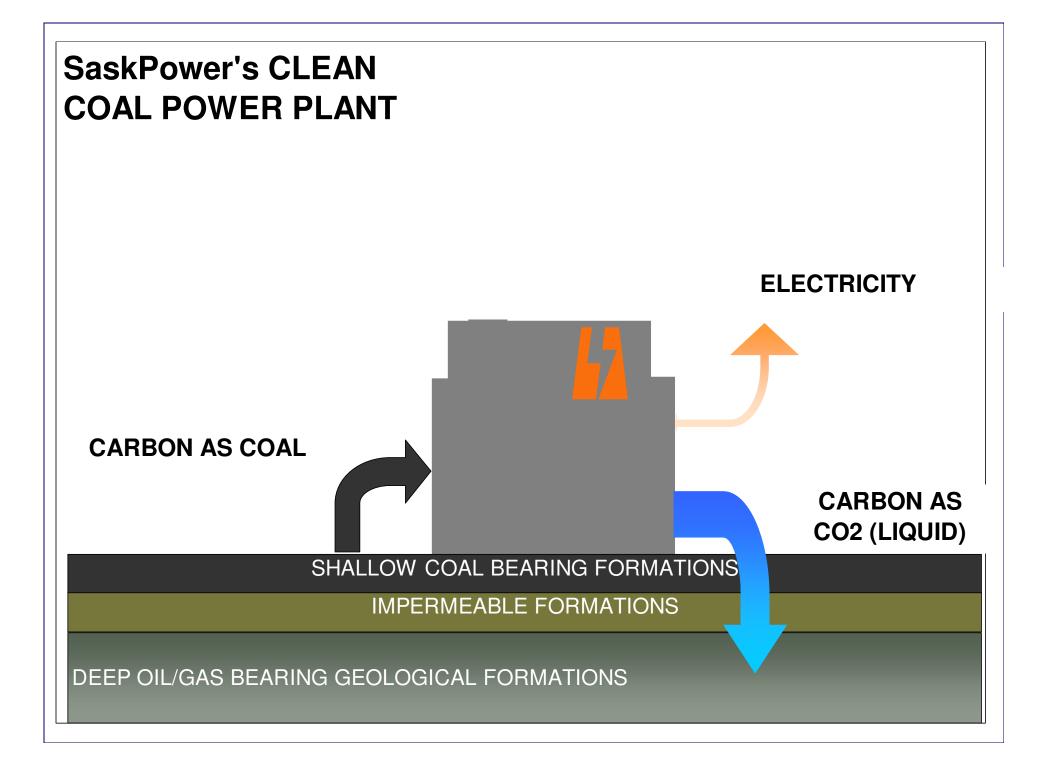
Canada

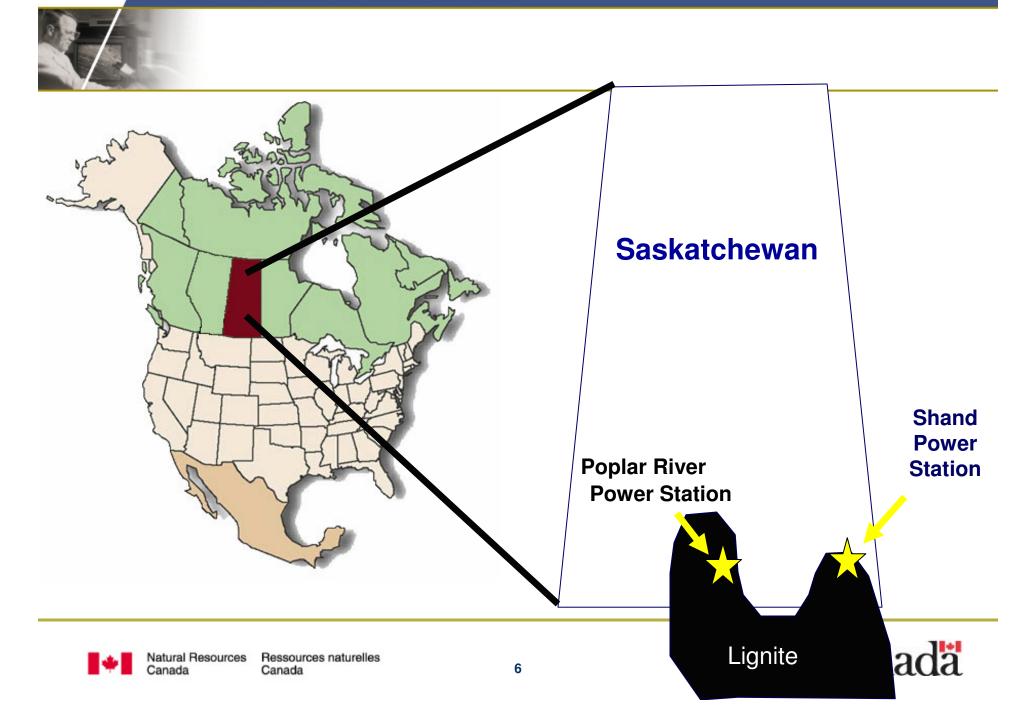
SaskPower Capacity Position Base



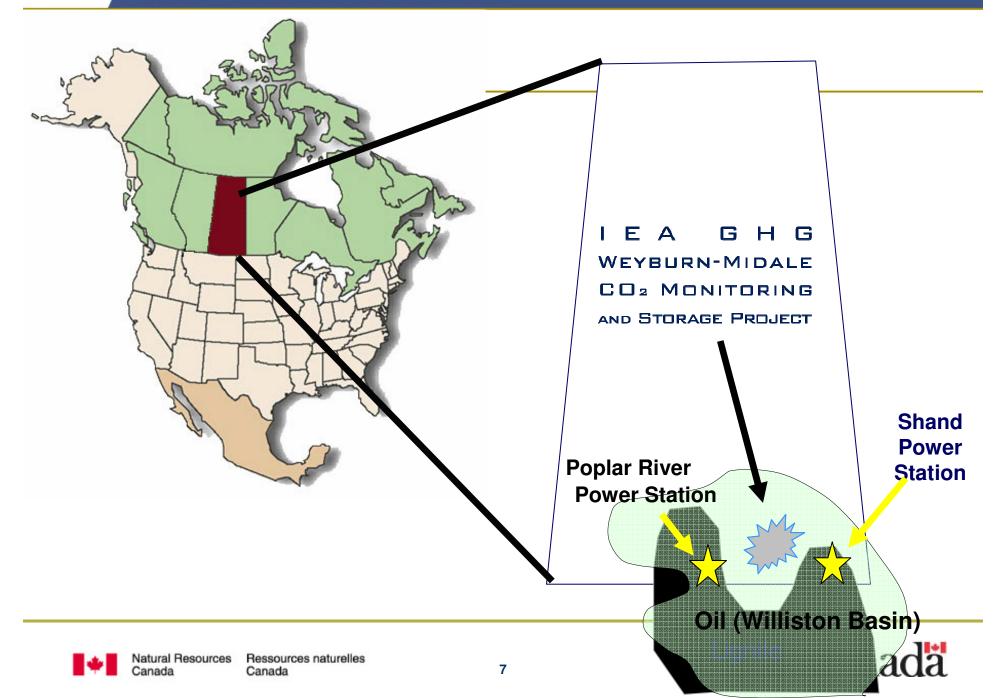
Peaking plants are assumed to be replaced in-kind.

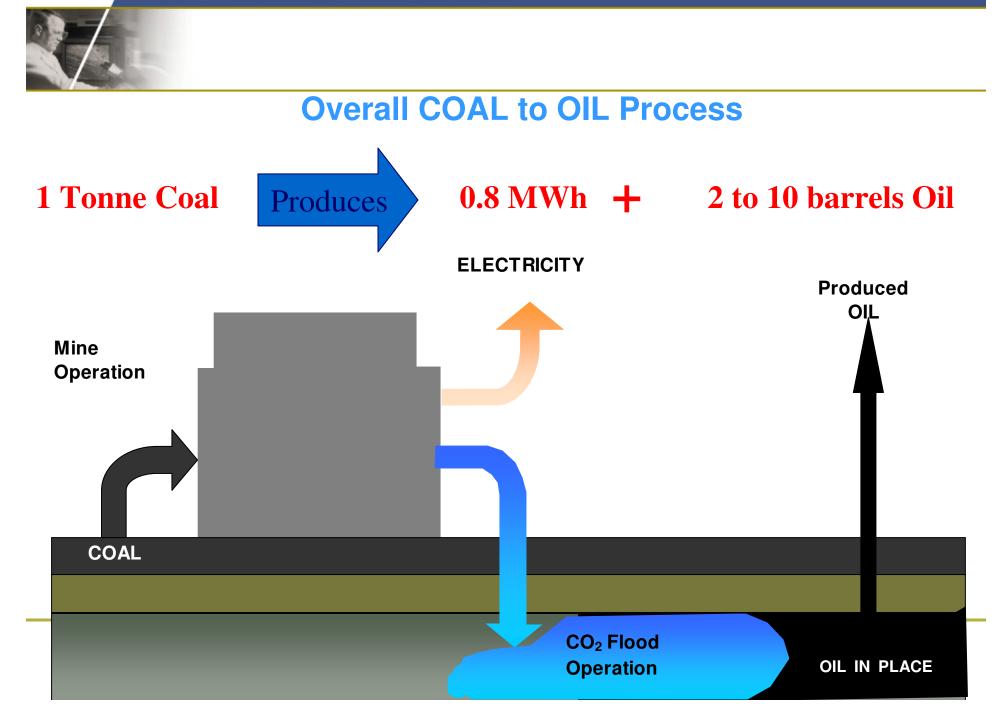




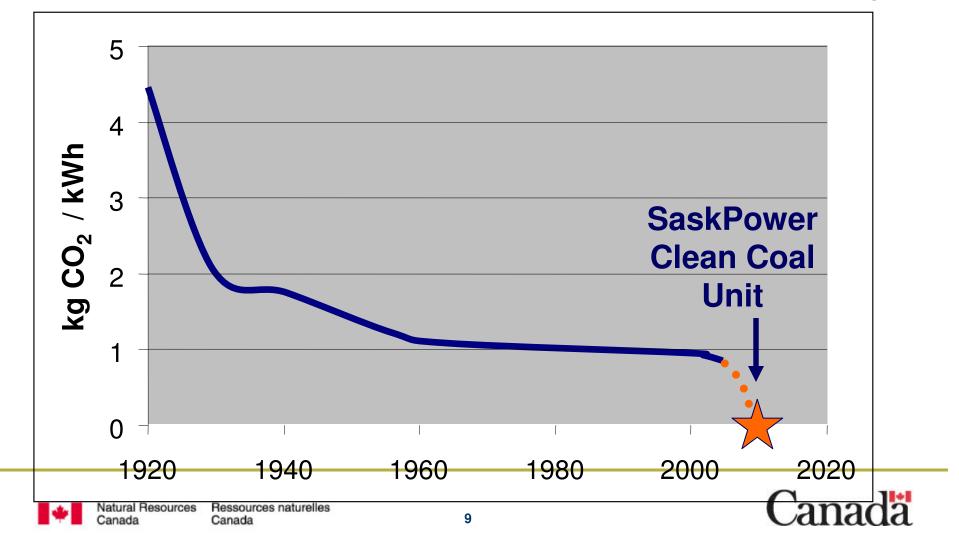


CETC CANMET ENERGY TECHNOLOGY CENTRE

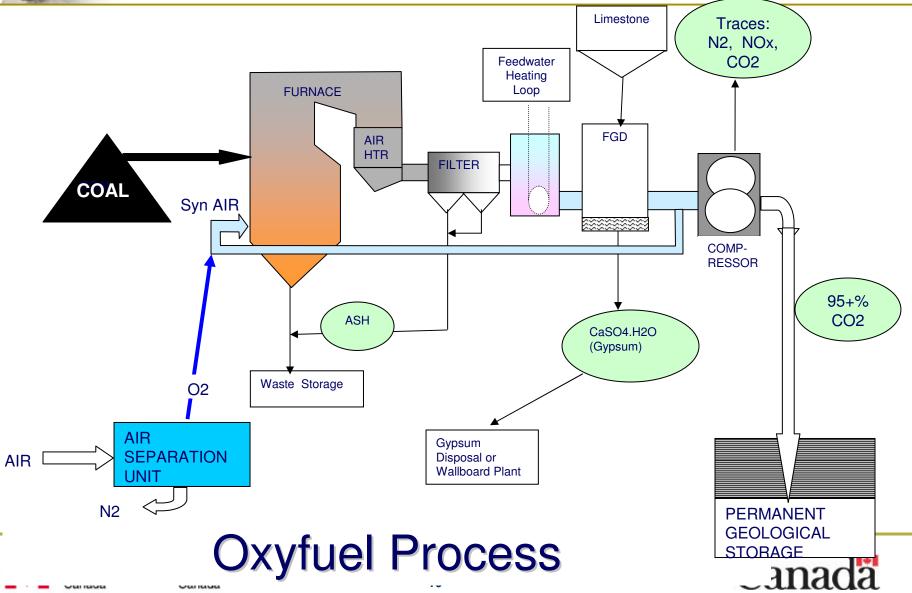




100 Years of Progress in Reducing Emissions Intensity











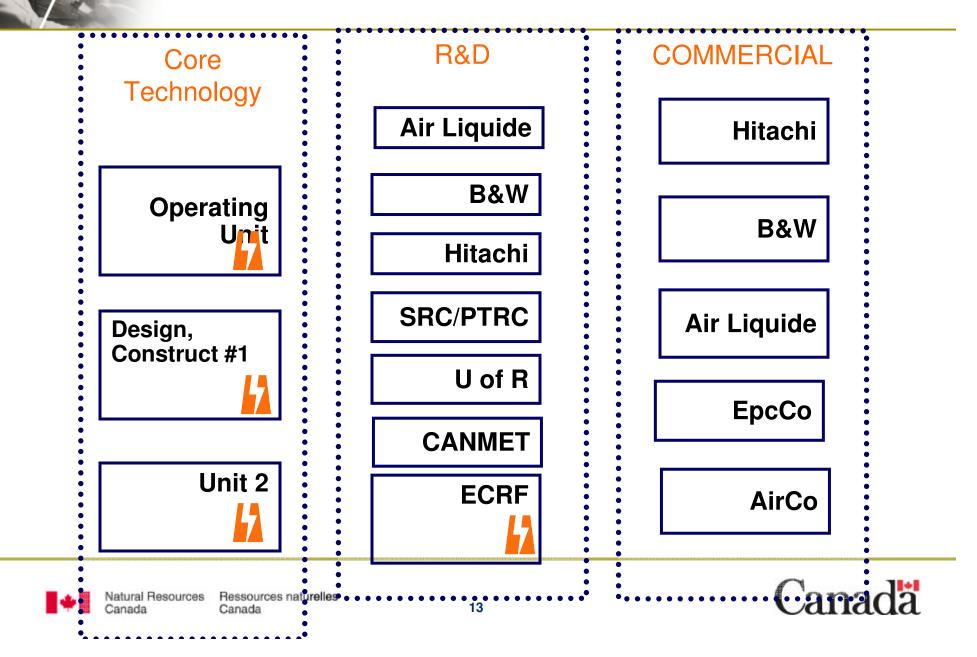
International Clean Coal Engineering & Technology Center

- Provides provincial opportunity to anchor clean coal technology in Saskatchewan:
 - Direct Jobs in Engineering
 - Direct Jobs in Research
 - Indirect Jobs in Manufacture, Technical Service
 - "Spin off" technologies
- Provides ongoing technical benefits to SaskPower strong engineering group close at hand
- Provides opportunity to meaningfully engage within SaskPower some of the "best and brightest"
- Brings external perspectives to SaskPower
- Links Research, Engineering, Sales and Service capacity of Vendors to SaskPower and to Saskatchewan

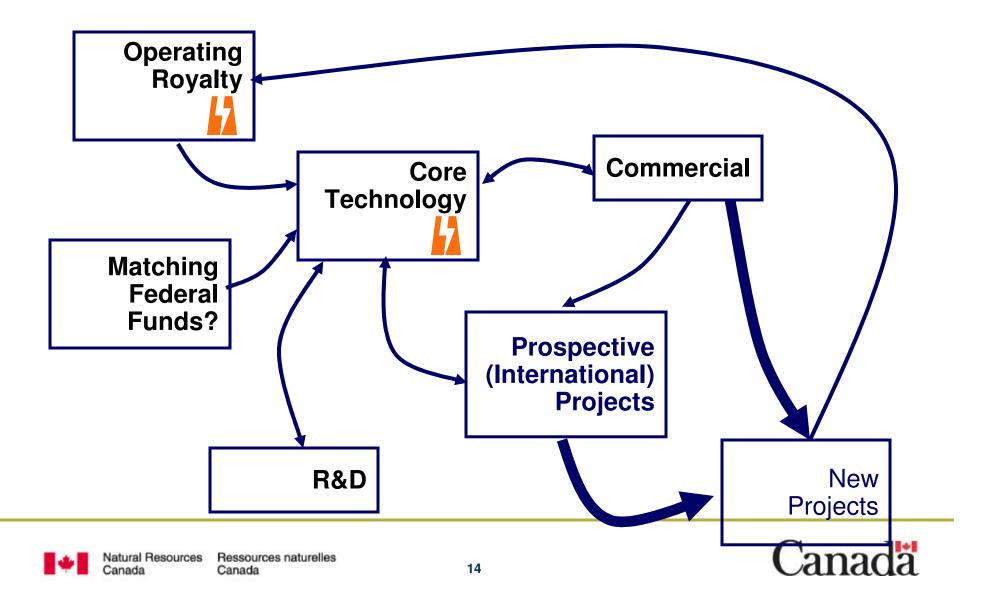




Available Assets







Project Proposal

- The SaskPower Clean Coal Project Proposal (end June 2007) will include:
 - Business Case Analyses addressing cost, risk and revenue expectations
 - Provisional Equipment and Construction Contracts for immediate acceptance
 - Provisional CO₂ sales agreements for immediate acceptance
 - Project Execution Plan

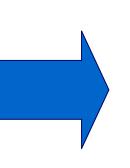






The Saskatchewan Opportunity

300 MW (near) Zero Emissions Pulverized Coal Plant in 2011?



Environmentally and Economically Sustainable Electricity Supply

Enhanced Oil Production

On-going and Enhanced Coal Royalties

Leading Edge Clean Coal Technologies to a Huge World Market

International Clean Coal Engineering & Technology Center

Expansion of In-Province Manufacturing Commitment

Economic Spin-offs from Project Construction





Natural Resources Ressources naturelles Canada Canada



Technical Design

Equipment Vendor Engineering & Manufacturing Capacity

Engineering Resources

Construction Labour

Future CO2 Market:

Natural Resources

Canada

- Emissions Regulation vs CO2 Regulation
- Perceived Value for Emissions Reduction Credits
- International Recognition for Credits

Canada

Perceived Long Term Liability

300 MW (near) Zero **Emissions** Pulverized Coal Plant in 2011?



