American Nuclear Energy Revival Briefing Series Session #3 – Uranium Mining

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Double











Safe, clean, reliable.

Doubling uranium production by 2018.



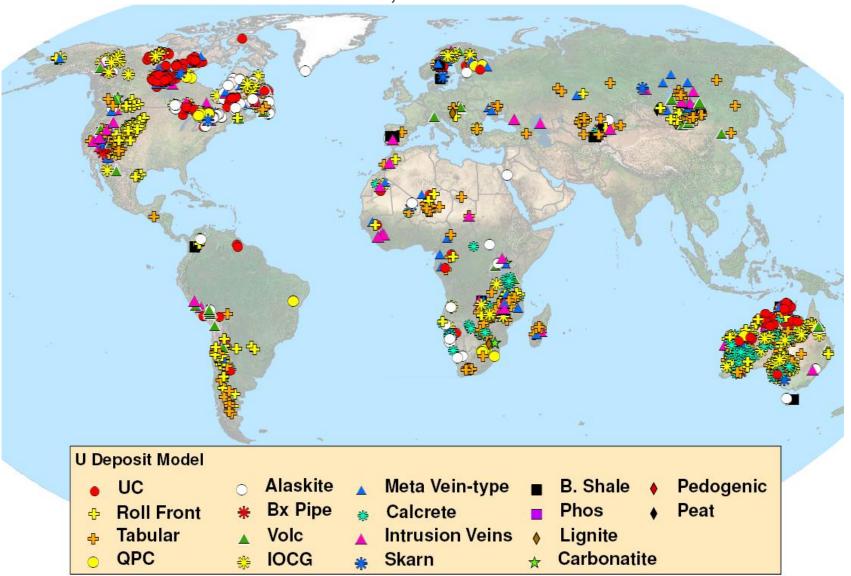
1. Cameco

- Publicly-traded company listed on both the TSX:CCO & NYSE:CCJ
- Uranium exploration, mining, milling, conversion
 - Mine production in Canada, US, Kazakhstan
 - Refining production in Canada
 - Conversion in Canada, UK
- #1 Uranium producer in the United States (3 mlbs in 2009)
- Employ 264 people in Cheyenne & Casper, Crow Butte and Minneapolis
- Our fuel powers 1 in every 14 households in the United States

2.

Uranium Supply

Uranium is an abundant element; 40 times more abundant than silver



2. Uranium Supply

- Future of the Nuclear Fuel Cycle report concluded:
 - There is no shortage of uranium resources that might constrain future commitments to build new nuclear plants for much of this century at least (MIT, 2010)

- Since 2003 approximately US\$3.4 B spent on exploration and deposit delineation across over 600 projects worldwide
- the low-cost Uranium resource base has increased by 40% (IAEA Red Book) to 5.47MtU or 70 year supply
- including higher-cost resources nearly 11 MtU or 140 year supply



Framework

- Principle of conservation
- Principle of life-cycle management
- Principle of security
- Principle of corporate social responsibility



- Principle of conservation
 - minimum input, maximum output, minimum waste
 - consider our McArthur River Mine, Canada
 - footprint: 1 square mile
 - energy resource equivalent:
 - 71 Billion barrels of oil
 - 17 Billion tonnes of coal



- Principle of life-cycle management
 - eliminate externalities

- stringent domestic regulations for water management, waste management, emissions management
- stringent international regulations to manage the transboundary movement of the mining, milling and conversion products



- Principle of security
 - secure value chains

- small volumes of fuel to produce large volumes of energy
- easier to move, track and secure volumes
- our US and Canadian production is in close proximity to the customers



- Principle of corporate social responsibility
 - focus on people, planet and profits
 - with respect to People:
 - Cameco invests heavily in the communities in which we operate
 - Canada's #1 industrial employer of First Nations peoples



Discussion











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