OBJECTIVE / STATEMENT OF WORK:
The Canadian Clean Power Coalition (CCPC) Phase III is intended to support the development of advanced coal utilization technologies including gasification, oxy-fuel combustion, and various carbon removal technologies that can be applied to conventional coal power plants. Phase III of the CCPC is designed to lead to construction of a supercritical pulverized coal plant using lignite and an Integrated Gasification Combined Cycle plant using subbituminous, both of which will be designed to capture CO2 emissions.

STATUS

Through February 4, 2008
Much of the focus thus far has involved various Edmonton Power Corporation Utilities, Inc activities based on Genesee-sub-bituminous coal usage in an IGCC initiative combined with carbon capture technologies. These activities and the lessons learned are applicable to lignite users to a large extent. The SaskPower oxyfuel facility designed to use lignite has been postponed due to high cost estimates. The CCPC is in the process of developing a business plan which should be completed in the next quarter.

Through September 15, 2008
EPCOR Utilities announced they have selected Siemens Fuel Gasification Technology as the technology provider for design of a coal gasification facility. If investment and construction decisions go as planned, a near-zero emissions 270 MW (net) generating facility will be commissioned into service by 2015. EPCOR has selected Jacobs Consultancy as the project FEED
contractor; the FEED study is currently in Phase II project development and scheduled for completion in 2009. A report has been completed that outlines the differences between supercritical and gasification technologies as well as those technologies with and without CO2 capture capabilities.