

Cost-effective Tools to Increase Your Water Knowledge and to Promote Competitiveness and Project Success in the WCSB

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Summary

After several years of instability and low energy prices, positive signs are emerging that we have seen the worse, and that we are on the road to recovery as an industry. New pipelines, including those approved at the federal level, will also serve to de-bottleneck market access, and foster new investment. These factors, combined with the cost control measures implemented by industry during the downturn, mean that many projects are economic - even at moderate oil prices. That said, approximately 75% of Alberta's energy is produced with water as the primary driving mechanism. From enabling energy production, to recycling and reuse, to monitoring and reporting, water is interwoven into all aspects of the energy sector. Simply stated "no water, no oil". During these challenging economic times, it is crucial for companies to cost-effectively source, manage and report on water in a systematic an integrated approach in accordance with current and evolving water regulations. Essentially, those companies that focus on the full life-cycle-cost of water (and disposal), as a standing boardroom agenda item, are at a competitive advantage.

The presentation will present case studies demonstrating the benefits of integrated water knowledge. The presentation will also highlight simple and inexpensive GIS-based tools to improve water competitiveness and project success. The presentation content is applicable to a wide audience, including company directors, senior financial and technical managers, project-based geoscience and engineering staff, and operations staff.

Mr. Jamie Wills is president and co-founder of Waterline, an Alberta and BC-based hydrogeology and environmental consulting firm. His almost 30 years of experience have focused on the energy sector in western Canada. Jamie has a graduate degree in hydrogeology from the University of Waterloo, and he is a past-President of the Canadian Chapter of the International Association of Hydrogeologists. He is the chair of the Hydrogeology Division of the CSPG, and has presented and chaired at numerous conferences over the last two decades.