

WIPC 1802 – Creation of a Water Management Plan Framework for Sharing of Water Resources and Infrastructure in Unconventional Resource Plays in Alberta (Multi-Operator Water Plans)

Purpose

Develop a framework for multi operator water management plans for areas of intensive, multi-project unconventional oil and gas development. As described in the Water Conservation and Allocation Guidelines (draft – 2016), a multi-operator water management plan is desirable to achieve cooperation and collaboration between industry operators in a sub-regional area to minimize cumulative effects on water resources and aquatic ecosystems and improve overall water conservation. To date there have been no approvals granted for multi-operator water plans for unconventional oil and gas development in the Province so there are many uncertainties related to the

development and regulatory approval of these plans. If developed and implemented these plans could provide several benefits including the reduction of high quality non-saline (HQNS) water use, increased use of alternative sources and reduction in water infrastructure which will result in a reduction in cumulative effects and cost for water sourcing and disposal.

Project Scope

The water management framework would provide an approach to improve water sharing by multiple operators in an area of intensive unconventional development. This would include a tiered framework, according to the scale of development and water supply/demand in the basin. It should also consider the spatial feasibility of water source and usage locations.

Deliverables

- Attend meetings with Industry, AER and AEP to review project scope and work already completed that could support this project (arranged by WIPC project champion).
- Complete a literature review to find examples of water sharing frameworks/agreements/plans in other jurisdictions
- Meet with CAPP member companies to assess historical water sharing practices and associated volumes, water sharing challenges and

evaluate the potential for future sharing as development evolves.

- Develop a framework for MOWP including:
 - Thresholds for the development of a MOWP including level of existing and future activity, water supply and demand and number of industry operators
 - Defining what should be included in a MOWP
 - Existing regulatory barriers to prevent MOWP's from being implemented and solutions to minimize these
 - Anticipated barriers from oil and gas producers from entering into regional MOWP and solutions to minimize these barriers
- Conduct a cost benefit analysis that evaluates the volumes, storage times, and haul distances over which water can be feasibly shared (i.e. boundaries of a MOWP)
- Review this work with industry, AER and AEP to collect feedback and adjust work product based on this feedback.
- Prepare a brief summary report and deliver to WIPC project champion for review by the WIPC.
- Revise report based on feedback and present final report to PTAC.

Project Duration

One year

Budget

The maximum budget is \$50,000 CAD

Confidentiality

The Contractor will be required to sign a confidentiality / recipient agreement related to the project. Disclosure of any project information will be at the discretion of PTAC. It is the intention of PTAC that key results and outcomes will eventually be made public.

RFP Schedule

September 20, 2018	RFP issued
October 19, 2018 submission to PTAC	Deadline for
November 15, 2018 by WIPC.	Proposal selected

Content of Proposal

The requested proposal should contain a very short description of the PTAC project and scope of work, CV or statement of qualifications and short excerpts of plans written by the applicant. The proposal document, which should be approximately 5 pages in length, addressing the following elements must be delivered electronically or by mail to PTAC by the deadline stated above:

- Scope of work
- Deliverables
- Schedule
- Personnel assigned to the project
- Qualifications
- Budget

- Requested payment schedule, if any.

Selection Process

PTAC has formed a Steering Committee for this project composed of industry stakeholders with relevant expertise pertaining to cement integrity assessment. PTAC will facilitate Steering Committee proceedings but will not be a decision-maker.

All submitted proposals will be provided to the Steering Committee for review. The Steering Committee will determine if proposals meet the requirements herein and provide an overall ranking based on Contractor qualifications and on proposal quality. The Steering Committee will make the final decision.

Once a selection of the best proposal according to the Steering Committee has been made, all submission contacts will be notified by email of the regarding the outcome of their individual proposal. The project final report will be shared on the PTAC website upon completion of the project.

Contact Information

Proposals should be submitted online using the following form:

<http://auprf.ptac.org/2018-letter-of-intent-step-2/>

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