



## **Water Management Request for Technologies (RFT)**

**Date:** June 24, 2016

### **Purpose**

On behalf of the Tight Oil and Shale Gas Innovation Network (TOGIN), PTAC is seeking voluntary responses for new and innovative technologies related to water management needs tight oil and shale gas production to address areas of concern, as indicated in the scope section of this document. Interested parties are invited to submit proposals according to the specifications provided herein.

There is no pre-assigned budget for resourcing the proposals received under this RFT. The proposals may however form part of recommendations for future funding as part of the Tight Oil and Shale Gas Innovation Roadmap and other opportunities.

### **Background**

During 2015 and 2016, PTAC is facilitating the development of the Tight Oil and Shale Gas Innovation Roadmap as a source of knowledge for industry, government, and academia to address current and anticipated challenges and opportunities related to the development of unconventional tight oil and shale gas resources by hydraulic fracturing. Specifically, the Roadmap focused on issues related to production and recovery, greenhouse gas and other air emissions, and water management.

The Roadmap was informed by a thorough review of needs, gaps, challenges, and opportunities performed by subject matter experts, in consultation with industry and government stakeholders. The outcome will be a conceptual blueprint for consideration by tight oil and shale gas operators, service and technology companies, governments, regulators, and academic institutions that provides a strategic framework for innovation in hydraulic fracturing technology. The final text of the Roadmap is still being reviewed in committees and will become available later in 2016.

### **Objective**

This RFT aims to respond to the needs extracted from the Roadmap in respect of new water management technologies responding to specific gaps.

### **Water Management - Technology Needs**

- 1.** Cost-effective double containment saline water storage options and leakage detection for ponds.
- 2.** Cost effective removal methods of sulphate from source waters.
- 3.** NORM removal methods suitable for flowback and produced water treatment applications.



**Scope**

RFT submissions should be short responses and are invited for new technologies in areas mentioned above.

**Contents of Proposals**

Proposals should be brief, approximately 2 to 4 pages, in a PDF format. All proposals should include:

- Company name, address, and contact name;
- Title;
- Description of technology;
- Benefits of the technology to tight oil and shale gas operations, specifically to the key messages and recommendations indicated in the ‘Scope’ and ‘Objectives’ sections of this document;
- State of development;
- Summary development plan;
- Estimated technology development or demonstration cost.

The deadline for submission is: July 20, 2016

Proposals should be submitted to Kristie Martin by email: [kmartin@ptac.org](mailto:kmartin@ptac.org)

**RFT Schedule**

June 24, 2016	RFT issued
July 20, 2016	Deadline for receipt of Full Proposals by PTAC
August 15, 2016	Feedback on proposals based on responses received from relevant PTAC committees.

**Contact Information**

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