



## **Request for Technologies (RFT) Targeting Projects Resulting in Environmental Improvement Solutions and Cost Reductions Greater Than 20%**

**Date:** July 7, 2017

### **Purpose**

PTAC is seeking voluntary responses for proposals to demonstrate new and innovative technologies with oil and gas end users within the 7-8 Technology Readiness Level (TRL) range to provide environmental improvements and cost reductions greater than 20% in either capital or operating costs. Interested parties are invited to submit proposals according to the specifications provided herein.

### **Scope**

While any new technology, product or service (such as those in the space of chemistry or process related technologies, among other categories) that provides environmental improvements and reduces cost is of interest, it is believed that untapped significant opportunities for impact and wide scale deployment may originate from major digital technology trends and advancement, such as:

1. Internet mobility and Cloud databases
2. Internet of Things, including sensor networks
3. Driverless vehicles and UAVs
4. Robotics
5. 3D printing and maker economy
6. Artificial intelligence, analytics and big data
7. Cloud parallelized computing

Technologies submitted via proposal to this RFT should be within the 7-8 TRL scale or, in other words, should have already been tested or piloted in collaboration with an end user to a certain extent. Submissions must indicate the TRL of the technology solution in question and provide support for the designated TRL assigned.

### **RFT Outcomes**

The proposals with the most merit will be considered by PTAC for additional technical support toward wide scale deployment. Examples of such support include:

- Invitation to present to relevant PTAC committees;
- Invitation to participate in PTAC industry events planned for fall and winter 2017, and spring 2018;
- Secure funding and site support for a final technology demonstration project, if required.
- Support to expand market uptake.



## Notes:

1. PTAC membership is mandatory if the proposed project is selected and PTAC support/mechanisms are required.
2. Support for funding development may require approval by sponsoring government programs. PTAC will undertake the task of attempting to secure funding for the best proposals using limited funds already in hand, to be matched by technology developers and end users.
3. Proposed projects are subject to limiting factors that will require measurement of risk prior to the start of the project.

The steering committee will include risk measure in their criteria evaluation of each submission to this RFT. PTAC will take mitigation measures to eliminate or adjust to the effects of any limiting factors, but no guarantees can be made.

## **Contents of Proposals**

Proposals should be brief, approximately 2 to 4 pages and focus of key messages, in a PDF format. All proposals should be composed of:

- Company name, address, and contact name;
- Title of proposal;
- Description of technology solution;
- Benefits of the technology, including environmental and cost reduction benefits;
- Conceptual economic analysis demonstrating the technology's cost reduction potential;
- State of development, TRL level and justification
- Key risks and risk mitigation measures
- Description of the technology solution's economic benefit, such as: market interest and the opportunity to create jobs, etc.
- Description of the technology solution's ability to cross over into other sectors (if applicable)
- Summary development plan, and estimated technology development or demonstration cost, if required.

The deadline for submission is: August 14, 2017

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

## **Confidentiality and Indemnity**

The proposal should only contain non-confidential information. Information deemed proprietary should not be included in the proposal.



## **RFT Schedule**

July 7, 2017	RFT issued
August 14, 2017	Deadline for receipt of proposals by PTAC
September 14, 2017	Feedback on proposals based on responses received from the Steering Committee

## **Selection Process**

The submitted proposals will be reviewed by a committee of industry stakeholders (government, oil and gas operators, and other relevant experts) to rank and identify the proposals offering the best opportunity for leveraged funding and eventual deployment by end users. PTAC will facilitate committee proceedings but will not be a decision-maker.

Once committee decisions are made, all submission contacts will be notified by email regarding the outcome of their individual proposal.

## **Contact Information**

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## **For Technical Inquiries**

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