

**Climate and Clean Air Coalition's (CCAC) Oil and Gas Initiative's Technology  
Development Component (2016-17)**

**Request for Proposals**

**Date:** April 13, 2015

**Purpose**

On behalf of the Climate and Clean Air Coalition's (CCAC) Oil and Gas Initiative's Technology Development Component, PTAC wishes to retain the services of an engineering or consulting firm to provide the services described in the attached document from 2016-17.

**Background**

The project seeks to recover high value and readily condensable liquids from vented or flared volatile organic compound (VOC) rich associated gas. The recovered liquids could be integrated into the existing liquids production and processing infrastructure and add potentially significant revenues and profits while measurably and verifiably reducing emissions of SCLPs, most notably black carbon and methane.

The project's activities and associated information platform are designed to create lasting institutional capacity for awareness raising, capacity building, knowledge exchange, networking of sector actors and the development of a public and private infrastructure to enable catalytic change within the oil and gas sector in a manner that supports the continuous commitment to long-term emission reduction goals.

The project also supports scaling-up the commercial deployment and dissemination of emerging leading-edge technologies for hydrocarbon liquid recovery that would otherwise not be exploited due to the use of conventional equipment and a limited understanding of the field.

In addition, the project also supports the increased dissemination of knowledge regarding the emergence of increasingly cost effective and scalable technologies for hydrocarbon liquid recovery at smaller operational nodes in the upstream production industry where economically recoverable volumes of readily condensable liquid hydrocarbon commodities were not previously considered to exist.

Given the global profile of the CCAC and its unique ability to inform all concerned stakeholder audiences of available opportunities to cost effectively reduce SLCP emissions, deployment of these liquids recovery technologies, coupled with the emerging technologies to quantify the reduced SLCP emissions resulting from implementation of liquids recovery, and the application of rigorous petroleum accounting and economics practices to verify all costs and payback periods, constitutes a significant component of the demonstration phase of this project.

A full description of the project is located at the following website:

<http://www.unep.org/ccac/Initiatives/CCACOilGasInitiative/Technologydemonstrationfortherecoveryofhydro/tabid/794016/Default.aspx>

The CCAC's key documents are located at:

<http://www.unep.org/ccac/About/KeyDocuments/tabid/794738/Default.aspx>

## **Project Objective**

The project seeks to work collaboratively with key public and private sector stakeholders to reduce methane and black carbon emissions from venting, fugitive equipment leaks, and flaring of natural gas from operations worldwide by developing an increased regional awareness and capacity for SLCP (Short-Lived Climate Pollutants) reductions.

## **Project Scope**

The proposal outlines a programme to measure and monitor the implementation of innovative technologies as well as mapping and visualization exercises that demonstrate, in a practical manner, that SLCPs could be minimized or eliminated with the implementation of a systemic approach that both decreases emissions and significantly lowers production costs.

The projected reductions in SLCPs emissions have the potential to realize significant and measureable environmental, health and social co-benefits, thus supporting transformative catalyst change in the oil and gas sector and filling a gap that is not currently addressed by other international clean energy partnerships.

The following specific activities are proposed:

- A measurement, monitoring and mapping campaign to identify representative oil and gas industry sites with highly replicable opportunities for significant and economic reductions to SLCP through the application of hydrocarbon liquids recovery technologies and to gain quantitative understanding on the factors influencing SLCP emissions. This area's work plan will also support the development of related policy tools.
- Technology demonstration projects to detect and measure baseline SLCP, illustrate the opportunities to reduce or eliminate SLCP (e.g., recover readily condensable and valuable liquid hydrocarbon commodities from oil and natural gas production), develop rigorous economic analysis of the costs (positive or negative) associated with SLCP reduction and subsequently quantify reductions to SLCP and other co-emitted pollutant emissions resulting from application of the demonstrated technologies.
- The development of tools, technologies and approaches to reducing SLCP emissions which would be available to industry and industry regulators and disseminated through a communications infrastructure inside and outside the Coalition.

- Engagement of public and private sector institutions to drive the scaling up of investment in SLCP emissions reduction projects associated with economic recovery of hydrocarbon liquids from VOC-rich natural gas that is currently vented and flared.

### **Reporting and Payment Milestones**

The Contractor will provide short monthly status reports and will be available to teleconference with the CCAC Oil and Gas Initiative's Technology Development Component during its meetings, which are generally held every 6 weeks. The applicant will also propose major project milestones when the Contractor will provide a progress report about deliverables and PTAC will make progress payments.

### **Deliverables**

1. Mapping, monitoring and measurement exercises
2. Status and progress reviews
3. Draft technical and non-technical reports for each project
4. Final report and presentation

### **Budget**

The applicant will indicate the cash budget and any other resources required to complete the project.

### **Confidentiality**

The Contractor will be required to sign a confidentiality agreement related to the project. Disclosure of any project information will be at the discretion of the CCAC Oil and Gas Initiative's Technology Development Component.

### **IP Ownership**

All rights, titles, and interests associated with the work product that Contractor creates under or in connection with this Agreement, including all intellectual property rights therein but not including any models or other tools used by Contractor to perform the Services, will be the exclusive property of the United Nations Environmental Programme automatically upon full payment of all monies due and owing to Contractor.

### **Indemnification**

Contractor shall indemnify, save and hold harmless, and defend at its own expense, PTAC, the United Nations and the United Nations Environmental Programme, their officials and other personnel, from and against all suits, claims, demands and liability of any nature and kind, including their cost and expenses, arising out of the actions or omissions of Contractor or its personnel.

## **RFP Schedule**

April 13, 2015 RFP issued

May 8, 2015 Deadline for receipt of Full Proposals by PTAC

June 8, 2015 Selection of the best value proposal by the CCAC's Technology Development Component of the Oil and Gas Initiative

## **Contents of Full Proposal**

The requested full proposal should contain a detailed project description, budget and schedule which would be used as the basis of a contract. A template and strategic document have been attached to address the following elements and must be delivered electronically or by mail to PTAC by the deadline stated above:

- Work Plan Overview
- Vision for Transformational Change
- Project Activities
- Overall Expected Impacts/Benefits
- Overall Timeline (2016-2017)
- Monitoring and Evaluation
- Overall Budget (Max: \$1M)

The page count does not include any attachment such as CVs, company description or literature references that the applicant may wish to include.