



## **ENCANA CORPORATION Expression of Interest (EOI)**

<b>PROVISION OF:</b>	<b>Adhoc Wellbore Engineering Services</b>
<b>BIDS Category:</b>	9100 – Engineering Consultants and Support Services
<b>Reference:</b>	EOI DR25
<b>Issue Date:</b>	May 26, 2008
<b>Closing Date:</b>	June 6, 2008

### **DEEP PANUKE PROJECT SUMMARY**

EnCana Corporation is developing the Deep Panuke natural gas project in the Sable Island area of Nova Scotia's offshore from its offices in Halifax. The project involves the installation of the facilities required to produce natural gas from the Deep Panuke field, located approximately 175 kilometres offshore Nova Scotia. Produced gas will be transported by subsea pipeline to Goldboro, N.S., where it will be transported via the Maritimes & Northeast Pipeline (M&NP) to markets in Eastern Canada and the northeastern United States. First gas from the project is expected in 2010.

### **PROJECT QUICK FACTS**

- The project was approved for development by EnCana's Board of Directors in October 2007.
- EnCana has entered into an agreement with Single Buoy Moorings Inc. (SBM) for the provision and operation of the Deep Panuke production field centre.
- The design capacity of the project is 300 MMcf/d of sales-quality gas.
- Regulatory applications for Deep Panuke were filed in 2006, with approvals granted in 2007.

### **DRILLING PROGRAM**

Production will result from the re-entry and re-completion of four existing suspended wells. The wells were drilled with surface wellheads from a jack-up drilling unit but will be equipped with Vetco Gray subsea wellheads and horizontal trees pursuant to a mudline conversion to subsea wellhead equipment. In addition, an acid gas injection (AGI) well will be drilled.

The four production wells have similar construction including a Dril-Quip top connector and a FMC mudline suspension system. Installation of the Vetco Gray subsea equipment will require the tie back of the FMC mudline suspension system to the wellhead. The production wells are expected to be normally pressured, however lost circulation, and gas containing H<sub>2</sub>S and CO<sub>2</sub> can be expected in the lower section of the well. All equipment will be required to be NACE compliant as a minimum. The wells will be flow tested. The H<sub>2</sub>S and CO<sub>2</sub> will be removed from the fluid stream during processing on the field centre and disposed of into the AGI.

The re-entries / re-completions and the AGI drilling will be undertaken in about 45 meters water depth with a Gorilla class jack-up rig to be provided by Rowan Companies in a program of approximately 165 days commencing approximately July 1, 2009. Tenders for downhole equipment and for drilling goods and services will be executed throughout 2008.

### **CNSOPB**

Canada-Nova Scotia Offshore Petroleum Board (CNSOPB) is the joint federal / provincial agency responsible for regulation of oil and gas industry activities in the offshore area of Nova Scotia. Application must be made to CNSOPB for work authorizations including drilling and re-entries and re-completions.

## **BUSINESS OPPORTUNITIES**

EnCana is committed to providing opportunities for Nova Scotian and Canadian companies through employment, procurement and contracting on an internationally competitive basis, with full and fair opportunity for Nova Scotians and Canadians, and first consideration to Nova Scotians where competitive on a best value basis. Companies who have been invited to tender will be required to complete a Canada-Nova Scotia Benefits Questionnaire, and demonstrate their commitment to and compliance with EnCana's requirements regarding Canada-Nova Scotia Benefits, during the tender process.

Interested firms are requested to demonstrate their capabilities and experience via a formal response to this EOI.

## **SCOPE**

EnCana is seeking interested firms for the provision of wellbore engineering support services for both drilling and completion planning efforts. The services will be required on an ad hoc basis over the next 24 months. The services will be for the Deep Panuke Drilling and Completions Team which is located in Halifax, Nova Scotia.

Interested engineering consulting firms must have the following qualifications:

- A proven track record of supplying engineering consulting services for offshore drilling projects;
- Engineers on staff who have conducted engineering analysis and planning on sour gas wells with individual production capabilities in excess of 20 MMCFD;
- Engineers who have experience with jack-up MODU operations in both a drilling and well testing mode (environment); and
- Ideally the consulting engineers will have familiarity with CNSOPB Regulations; however this is not a pre-requisite.

While the work may be executed remotely to a large extent, it may be necessary for assigned personnel to attend EnCana's Halifax offices from time to time. For personnel or firms not based in Canada, registration with Canada Revenue Agency, employment authorizations for foreign workers, application of Goods and Services Tax ("GST") and Harmonized Sales Tax ("HST"), and non-resident withholding must be addressed by the service provider. Additional information on these issues can be provided upon request.

## **PROJECT REQUIREMENTS**

All work carried out on the Deep Panuke Project shall comply fully with CNSOPB regulations.

Contractors shall have previous experience and solid Quality and EHS management performance on similar projects.

## **INFORMATION REQUESTED WITH EOI RESPONSE**

Qualified firms are invited to indicate their interest by submitting the following:

- company name and contact details
- summary of related experience
- indication of personnel resources

Responses must be concise and must not include brochures, financial statements, program documentation, etc.

EnCana will select qualified bidders using the responses to this EOI as a guide. Any eventual list of Bidders will be posted on EnCana and BIDS Nova Scotia websites. EnCana reserves the right to select more than one Contractor to execute the above Scope of Work.

EnCana is under no obligation to proceed with a Request for Proposal as a result of this call for Expressions of Interest. Respondents that qualify will be invited to participate in the event Proposals are solicited.

Expressions of Interest must be received on or before June 6, 2008 1:00 PM Atlantic time.

All inquires and Expression of Interest must be clearly marked with the EOI reference number and should be directed to:

Ross Beckwith  
Contracts Analyst  
EnCana Corporation  
Suite 700 - 1701 Hollis Street  
Halifax, NS B3J 3M8

Tel: 902-492-5402  
Fax: 902-425-2766  
Email: ross.beckwith@encana.com

**EnCana Corporation**  
Deep Panuke Offshore Gas Development Project

**East Coast Office:**  
Suite 700 Founders Square  
Halifax, NS, B3J 3M8

Phone: (902) 422-4500  
Fax: (902) 425-2766