



Encana Corporation Expression of Interest (EOI)

Supply of Intervention and Workover Equipment & Services

BIDS Category: 0305, 0325, 0510, 0525, 0840, 0924, 0957, 0960

Reference: EOI DC17

Issue Date: June 19, 2018

Closing Date: July 04, 2018

NOTICE TO INTERESTED PARTIES: Encana wishes to advise that EOI DC17 hereby partially replaces Encana's EOI DC02 (previously issued by Encana on September 13, 2017 which closed on September 27, 2017) which has now been cancelled by Encana. Companies who have provided a formal submission in response to EOI DC02 are requested to contact the Encana representative specified in this EOI by email for further instructions regarding submission requirements for the work covered by EOI DC17. Encana also wishes to advise that it intends to issue separate EOIs to capture the work that was included in EOI DC02 but which has not been included in EOI DC17.

GENERAL

Encana Corporation (Encana) is the owner and operator of the Deep Panuke natural gas project in Nova Scotia's offshore. The project includes facilities required to produce natural gas from the Deep Panuke field, located approximately 175 kilometers offshore Nova Scotia. Natural gas from the Deep Panuke Development is processed offshore and transported, via subsea pipeline, to Goldboro, Nova Scotia for further transport to market via the Maritimes & Northeast Pipeline.

The Development includes the following major infrastructure (the "facilities"):

- Production Field Centre (PFC);
- Five (5) - subsea wells, trees, and protection structures;
- Infield flowlines and umbilicals;
- Gas export pipeline and onshore metering facility;

The Deep Panuke reservoir fluids contain H₂S and CO₂ which are removed from the fluid stream during processing on the PFC and disposed of into a dedicated subsea acid gas injection well. The sales ready product is exported from the PFC via an export pipeline.

Encana's strategy towards the decommissioning of the Deep Panuke facilities will include cost efficient solutions that minimize risk to personnel, provide the least impact on the environment, and utilize proven technology. It is currently Encana's plan that the suspension and decommissioning of the Deep Panuke Development will generally be completed as follows:

- Suspension of Production Operations;
- Decommissioning of the subsea and onshore facilities and PFC removal; and
- Well Abandonment and Final Field Survey.

Respondents are advised that the Work carried out on Deep Panuke shall comply fully with Canada-Nova Scotia Offshore Petroleum Board Regulations and all regulatory requirements. Respondents shall also be required to comply with the Canada Nova Scotia Offshore Petroleum Resources Accord Implementation Act including but not limited to the Benefits requirements as set out in Section 45.

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 where competitive on a best value basis, and first consideration to Nova Scotians. Pre-qualified companies 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.

Encana is a leading North American energy producer that is focused on growing its strong portfolio of diverse resource plays producing natural gas, oil and natural gas liquids. By partnering with employees, community organizations and other businesses, Encana contributes to the strength and sustainability of the communities where it operates. Encana common shares trade on the Toronto and New York stock exchanges under the symbol ECA. Further information on Encana Corporation is available on the company's website, www.encana.com. Further information on Deep Panuke is available at www.encana.com/deeppanuke

SCOPE OF WORK

The Work includes the abandonment of four (4) subsea sour gas production wells and one (1) subsea acid gas injection (AGI) well, across five (5) subsea well locations. The Respondent will be qualified and capable of fully designing, planning/executing and evaluating the Workover & Intervention aspects of the wellbore abandonment. The Work will be conducted from a Harsh Environment Jack-Up, Mobile Offshore Drilling Unit (MODU) capable of working year-round in approximately 45 meters of water at the Deep Panuke field location offshore Nova Scotia, Canada. The wellbores will be accessed with a high-pressure riser system attached to the horizontal subsea trees and tied back to a conventional surface BOP stack on the MODU.

Encana is seeking qualified companies interested in providing the following services:

- 1) Electric-line for cement bond logging, perforating, tubing cuts and contingency equipment;
- 2) Slickline equipment for pulling plugs, setting sleeves and contingency equipment;
- 3) Coiled Tubing equipment as a contingency for pumping cement and/or for through tubing fishing;
- 4) Multi-Line Spooling equipment for pulling the completions;
- 5) Mudlogging equipment for well monitoring during P&A operations;
- 6) Downhole Tools including mud motors, stabilizers etc. as a contingency for drilling out cement plugs if required;
- 7) Downhole Perforating equipment for circulating cement squeeze jobs, tubing punch or other contingency operations.

Pressure Control Equipment (PCE) is required for each service specific application and for braided line, grease injection is also required. The equipment must be compliant with NACE-MR-0175 for sour service with a minimum rated working pressure of 25 MPa. In addition, all equipment must be certified to work offshore Eastern Canada.

SCHEDULE FOR THE WORK

Encana is issuing this Expression of Interest to identify the availability of suitable companies, equipment and services to conduct the Work in the offshore Nova Scotia location commencing sometime between Q3 2019 to Q2 2020. The window for carrying out the Work is dependent on the availability of the MODU. Any decisions on specific timing for the Work will be made at a later date.

The pre-planning and engineering effort is expected to take up to ten (10) months prior to commencement of field operations. The total time required for the plugging and abandonment operations of all five (5) wells is expected to be approximately 120 days.

Encana will require Workover & Intervention Tools and equipment to be on location in Halifax at least one (1) month prior to the start-up of operations on the MODU. The expectation will be that all tools and equipment will be provided in a ready to run, fit-for-purpose condition and this will be verified by Encana through a documentation review. During that process, any documentation that is deemed to be unacceptable may require further inspection or testing of the equipment onshore prior to mobilization offshore. Personnel should only be required at the start of operations unless further testing of the equipment is required during the documentation review.

The operations on the MODU are expected to start any time after July 1, 2019 (exact time to be determined). As the availability of the MODU becomes better defined, Encana will communicate any changes to the



scheduled start time on a monthly and/or bi-weekly basis.

Responses to this Expression of Interest must contain the following information:

- A: Confirmation of Respondent's previous North Atlantic harsh weather experience including references to previous (and relevant) projects similar to the Work. Information provided by Respondent should include but not be limited to the following:
- Project management, and engineering experience;
 - Integrated wellbore project execution experience; and
 - Available proven technologies and emerging technology potential.
- B: Confirmation of equipment and personnel availability (identifying the time frame that the equipment would be available for the Work), current location and present contract status of proposed equipment. Respondent should include the proposed structure of the services package to successfully accomplish the Work indicating all subcontracts and any preferred vendors.
- C: Details regarding the make-up of Respondent's early planning team complete with a detailed description of the core competencies of Respondent's nominated personnel. This should include details regarding Respondent's plan to integrate into Encana's Project team in Halifax, Nova Scotia as early as Q4 2018.
- D: A duly completed Pre-Qualification Questionnaire.

GENERAL REQUIREMENTS

EOI respondents are required to have an implemented EH&S Management System and a registered Quality Management System (complete with a current certificate issued by a recognized third party that certifies that the Quality Management System meets the requirements of the ISO 9001 or equivalent). Respondents are also notified that the Work carried out on Deep Panuke shall comply fully with Canada-Nova Scotia Offshore Petroleum Board Regulations and all regulatory requirements.

Respondents are requested to provide a brief Company profile, contact details, managers and key personnel and a summary of related (and relevant) experience on past projects which are similar in scope including details of Respondent's Nova Scotia and Canadian capabilities.

Interested firms are requested to demonstrate their capabilities and experience via a formal response to this EOI and the **Prequalification Questionnaire**, which can be obtained from the email address provided below.

Encana will select qualified bidders using the respondents to this EOI as a guide. Any eventual list of Bidders will be posted on the Encana website website and other industry websites such as the Maritimes Energy Association bulletin.

Encana is under no obligation to proceed with a Request for Proposal as a result of this Expressions of Interest. Only those respondents deemed acceptable by Encana will be invited to participate in the event Proposals are solicited. Encana also reserves the right to award more than a single contract resulting from a Request for Proposal.

Expressions of Interest must be received on or before **July 04, 2018, 2:00 PM Atlantic time**.

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

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Deep Panuke Project
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