



Encana Corporation Expression of Interest (EOI)

GEP FLUSHING and PIGGING SERVICES

BIDS Category: 0820, 1930, 4510, 4515, 4520, 4530, 9005, 9045, 9442, 9710, 9833

Reference: EOI DC06

Issue Date: March 06, 2018

Closing Date: March 20, 2018

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 kilometres offshore Nova Scotia. Natural gas from Deep Panuke 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.

It is important to note that Encana has not set a date for the cessation of production operations or for the formal commencement of suspension and decommissioning activities.

Respondents are advised that the Work carried out on Deep Panuke shall comply fully with all regulatory requirements. Respondents shall also be required to comply with the Canada Nova Scotia Offshore Petroleum Resources Accord Implementation Acts 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

Encana is seeking qualified companies interested in providing Pipeline Flushing and Pigging Services (Fluid Pumping and Nitrogen Pumping Services) required to displace natural gas from Encana's 22" diameter (approx. 176 km long) Gas Export Pipeline (GEP) with untreated seawater.

It is anticipated that the Work will include the provision of the following;

- Supply of water-winning equipment spread and sea water pumping equipment for installation at the Beach Valve Station (BVS) located in Goldboro, Nova Scotia. The equipment shall have a capacity of delivering approximately 7,000 liters of untreated seawater per minute and will be required to propel a pig train from the BVS to the offshore Production Field Centre (PFC). It is expected that approximately 38,500m³ of untreated sea water will be required to complete the GEP flushing and pigging operation. Equipment to be provided shall include pump(s), storage tank(s), hoses, flow meter(s), strainers, piping, flanges, fittings and other ancillary items.
- Water delivery, storage (volume of approx. 140,000 liters) and water pumping equipment at the GEP Terminus located in Goldboro, Nova Scotia. Equipment to be provided shall include pump(s), storage tank(s), hoses, flow meter(s), piping, flanges, fittings and other ancillary items.
- Nitrogen storage and pumping equipment at the GEP Terminus for pig train launch and subsequent dewatering of the onshore section of the GEP.
- Equipment operators, onsite supervision, project management and technical support required to manage and execute the pumping and pigging operation.
- Supply of consumables to include approx. 5,000 Nm³ of nitrogen, approx. 140,000 liters of water at GEP Terminus.
- Procedures, risk assessment and other supporting documentation required to support the flushing and pigging operation.

Schedule for the Work:

No date for cessation of production of the Deep Panuke field has been identified.

Encana is issuing this Expression of Interest to identify the availability of suitable equipment and services to conduct the work in the offshore Nova Scotia location.

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

- A: A summary detailing Respondent's previous recent and relevant experience in carrying out scopes similar the Work. Respondent to provide a detailed summary of such scopes.
- B: A description of Respondent's resources (nominated personnel and equipment) available for the Work.



- C: A summary of its nominated personnel's recent and relevant experience in carrying out scopes similar to the Work.
- D: A duly completed Pre-Qualification Questionnaire.

GENERAL REQUIREMENTS

EOI respondents are required to have an implemented Quality Management System that complies with the requirement of the ISO-9000 series of Standards and Safety Management System(s). Respondents are also notified that the Work carried out on the Deep Panuke Project shall comply fully with all regulatory requirements.

Respondents must submit a brief Company profile, contact details, key personnel for land and offshore support and a summary of related experience including local Nova Scotia capabilities.

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.

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 BIDS Nova Scotia.

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.

Expressions of Interest must be received on or before **Tuesday, March 20, 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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