



Encana Corporation Expression of Interest (EOI)

Rig Positioning / Survey Services

BIDS Category: 0260, 9142, 9428
Reference: EOI DC22
Issue Date: December 10, 2018
Closing Date: January 7, 2019

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

Encana is seeking qualified companies to provide navigation and positioning services. Encana has contracted a Jack-Up Drilling Unit, Noble Regina Allen, from Noble Offshore Drilling.

Respondents should provide a full and complete list of proposal equipment, including type and manufacturer, and expected accuracy, if appropriate.

Encana requires:

- 1) A minimum of two experienced offshore surveyors, to provide 24-hour coverage during each of the five (5) rig moves;
- 2) A shore-based supervisor, based in the Metro-Halifax area, to support the offshore personnel and liaise directly with Encana's office-based staff in Halifax;
- 3) A system for positioning the rig and support vessels, capable of providing real time displays of the rig's position, course, speed and bearing/distance to selected waypoints. The real time navigation monitor should display a map of the project area, with items such as the proposed well locations, the tow route and any sub-sea structures or hazards in the area;
- 4) Support vessels should be equipped with remotely operated navigation equipment, which during operations continuously receive commands and messages from the master control unit on the rig, via a telemetry link. These commands and messages should allow control and observation of the navigation of all vessels involved in the towing operation, from the bridge of the rig;
- 5) An electronic reporting and inspection tracking system which is maintained in a current state;
- 6) Offshore personnel to have valid Basic Survival Training acceptable to the CNSOPB and a valid H₂S certificate.

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 during the Q4 of 2019 to Q3 of 2020 timeframe. The timing for the Work is dependent on rig availability. Any decisions on specific timing for the Work will be made at a later date.

The total time for abandonment operations of all five (5) wells is expected to be approximately 145 days.



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

- A: Company name and contact details;
- B: Confirmation of Respondent's North Atlantic harsh weather experience including references to previous projects similar to the Work.
- C: List of proposed equipment (type and manufacturer) and expected accuracy;
- D: Proposed offshore personnel and resumes;
- E: Confirmation of Respondent's 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; and
- F: Quality documentation and certification.

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 experience on past projects which are similar in scope including details of Respondent's Nova Scotia and Canadian capabilities.

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 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 Expression 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 **January 7, 2019, 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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