



## **Advance Contract Award Notice (ACAN) Energy 2020 Model Update, Maintenance and Support**

The Canadian Energy Regulator (CER) has identified a requirement to update historical data in its energy model – ENERGY 2020 and to receive a guaranteed number of consultation and modeling support hours for the CER staff.

The purpose of this ACAN is to provide public notice indicating to the supplier community that CER intends to award a contract for these services to Systematic Solutions Inc. (herein after, SSI). Before awarding the contract however, the government would like to allow other potential suppliers to signal their interest in bidding and demonstrate they are capable of satisfying the requirements by submitting a Statement of Capabilities within the 15 calendar day posting period.

If no other potential supplier submits a Statement of Capabilities that meets the requirements set out in the ACAN, on or before the closing date stated in the ACAN, the contracting officer may then proceed with the award to the pre-identified supplier.

### **Definition of the requirement**

Canadian Energy Regulator CER prepares projections of energy supply and demand requirements, publishing its findings from time to time in periodic reports. The projections are undertaken in support of its mandate to monitor energy markets and provide an outlook for Canadian supply and demand of all major energy commodities.

ENERGY 2020 is being used to undertake energy demand and electricity analysis for the Energy Futures Report as well as other energy demand focused work.

SSI will provide the ENERGY 2020-related support required to meet the needs of CER staff in finalizing its energy forecast and developing scenarios, such as a high technology case, as part of CER's preparations for its Energy Futures reports. For the annual update, SSI will update the U.S. historical data, calibrate ENERGY 2020's U.S. forecast to the latest available U.S. Annual Energy Outlook, reconcile ENERGY 2020's model code with the latest code enhancements developed, and recalibrate ENERGY 2020 equations to the new set of historical data. Both SSI and CER staff will review and analyze model results and make revisions as necessary. Additionally, SSI will provide training to CER staff related to the use of ENERGY 2020 as requested.

The key deliverable for this project is an updated version of ENERGY 2020 with data updated through the last historical year (2019) and the U.S. forecast calibrated to the most current Annual Energy Outlook available. All tasks and support hours will be completed by August 30, 2021.



## **Criteria for assessment of the Statement of Capabilities (Minimum Essential Requirements)**

Any interested supplier must demonstrate by way of a statement of capabilities, the ability to undertake the following tasks:

- i. provide general ENERGY 2020 modeling support in reviewing model relationships, developing and adjusting the forecast as required in developing its projections for the developing its energy forecast projections for the 2021 Energy Futures report;
- ii. modeling support and consultation related to scenario or policy development and analysis using ENERGY 2020;
- iii. update the model with key US historical variables through 2019/2020 as well as incorporate the best currently available historical data used in other versions of ENERGY 2020;
- iv. update CER's version of model with enhancements from most current version of ENERGY 2020. Recalibrate model to 2019/2020; debug and create new base case; and
- v. Provide training to CER staff.

### **2. Applicability of the trade agreement(s) to the procurement**

Trade agreements don't apply to this requirement.

### **3. Justification for the Pre-Identified Supplier**

The model is developed by the pre-identified supplier, SSI, who has Intellectual Property rights on Energy 2020 and have provided similar updates every year since the model was brought onboard at CER in 2006.

### **4. Government Contracts Regulations Exception(s)**

The following exception(s) to the *Government Contracts Regulations* is invoked for this procurement under subsection 6(d) - "only one person is capable of performing the work".



**5. Period of the proposed contract or delivery date**

The proposed contract is from date of contract award to August 31, 2021.

**6. Cost estimate of the proposed contract**

The estimated value of the contract is \$50,000.00 (GST/HST extra).

**7. Name and address of the pre-identified supplier**

Systematic Solutions Inc,  
1519 Heatherwood Trail,  
Xenia, OH 45385 USA

**8. Suppliers' right to submit a statement of capabilities**

Suppliers who consider themselves fully capable of providing the services described in the ACAN may submit a Statement of Capabilities in writing to the contact person identified in this notice on or before the closing date of this notice. The Statement of Capabilities must clearly demonstrate how the supplier meets the advertised requirements.

**9. Closing date for a submission of a statement of capabilities**

The closing date and time for accepting statements of capabilities is October 15, 2020 at 2:00 p.m. MDT.

**10. Inquiries and submission of statements of capabilities**

Inquiries and statements of capabilities are to be directed by email to:

Nafissa Diop, Procurement Technical Analyst  
Canadian Energy Regulator (CER)  
517 10 Ave SW  
Calgary, Alberta, T2R 0A8  
Telephone: 403-390-3773  
E-mail: [nafissa.diop@cer-rec.gc.ca](mailto:nafissa.diop@cer-rec.gc.ca)