

ACAN - SOLICITATION NUMBER: 16-22119

Requirement for Development of CSA Standard on of Waste Water Treatment Plants to Reflect Climate Change Adaptation and Extreme Weather Events

1. Advance Contract Award Notice (ACAN)

An ACAN is a public notice indicating to the supplier community that a department or agency intends to award a contract for goods, services or construction to a pre-identified supplier, thereby allowing other suppliers to signal their interest in bidding, by submitting a statement of capabilities. If no 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.

2. Definition of the requirement

Under the Climate-Resilient Core Public Infrastructure project, the National Research Council's Building Regulations for Market Access Program has a requirement to update their National Model Codes and referenced standards to reflect climate change adaptation and extreme weather events. A new CSA Standard will be introduced under this contract. The standard will introduce climate change adaptation for Canada's waste water treatment plants specifically high flow event diversion, erosion, site adaptation, backflow, and material deterioration. The standard would be published and owned by the Canadian Standards Association (CSA) - a Canadian not for profit standard development organization.

The Climate-Resilient Core Public Infrastructure project aims to integrate climate resilience into design guides, codes and related materials, which will be the basis for future infrastructure builds and rehabilitation work in Canada. The work would involve preparation of proposed changes to national model building, energy, fire, plumbing and updated related guidance documents. The proposed change modules could be adopted by provinces and territories in 2020.

This contract seeks to enter into an agreement with the CSA to develop a CSA Waste Water Treatment Plant Standard with principle objective stemming from this funding to support sections related to climate change adaptation and extreme weather events through a consensus based process established by the Standards Council of Canada. The CSA standard development will occur concurrently and in harmonization with the work currently underway at the NRC to update their National Model Codes.

NRC requests under the deliverables of this contract that CSA

1. Establish a Technical Committee (TC) on Waste Water Treatment Plant Design & Construction;
2. Issue Notice of Intent for Standard;
3. Develop white paper on Climate Change Adaptation for Waste Water Treatment Plants (CSA and external consultant);
4. First meeting of TC to establish Terms of Reference and confirm scope of standard;
5. Develop first draft of CSA S900.X *Climate Change Adaptation for Waste Water Treatment Plants* (CSA and external consultant);
6. Facilitate technical committee meetings;
7. Prepare the comprehensive guideline draft;
8. Public review, technical committee ballot, editorial correction and publication of the first edition of CSA S900.X;
9. French translation of the document; and

10. prepare cost benefit and impact analysis to support any proposals.

3. Criteria for assessment of the Statement of Capabilities (Minimum Essential Requirements)

Any interested supplier must demonstrate by way of a statement of capabilities that it meets the following requirements:

- Association or Company must be a Standards Development Organization with Accreditation under the Standards Council of Canada
- Able to obtain the Intellectual Property Rights to the new CSA Waste Water Treatment Plants Standards
- Significant experience (minimum of 10 years) in the management and development of Codes and Standards by way of established balanced technical Committees
- Demonstration of ability to engage with broad range of industry and regulatory bodies on technical matters related to the Waste Water Management
- Demonstration of at least 10 year history working with the National Research Council's Codes Canada on Code development

4. Applicability of the trade agreement(s) to the procurement

This procurement is subject to the following trade agreement(s):

- Agreement on Internal Trade (AIT)
- World Trade Organization - Agreement on Government Procurement (WTO-AGP)
- North American Free Trade Agreement (NAFTA)

5. Justification for the Pre-Identified Supplier

The **CSA Group** (formerly the **Canadian Standards Association; CSA**), is a not-for-profit standard organization which develops standards in 57 areas. CSA publishes standards in print and electronic form and provides training and advisory services. CSA is composed of representatives from industry, government, and consumer groups.

CSA began as the Canadian Engineering Standards Association (CESA) in 1919, federally chartered to create standards. CSA is accredited by the Standards Council of Canada, a crown corporation which promotes efficient and effective standardization in Canada. This accreditation verifies that CSA is competent to carry out standards development and certification functions, and is based on internationally recognized criteria and procedures.

CSA has been involved in over one year of consultation with key stakeholders in waste water facility management, have secured funding partners that will be complimented by NRC contribution, and have filed notice of intent with SCC for this area of interest. It is expected that they will work through the Standards Council of Canada Process of standard development. They have worked with NRC in the past in developing standards that either compliment the NRC's National Construction Codes or were supported by NRC research.

6. Government Contracts Regulations Exception(s)

The following exception to the Government Contracts Regulations is invoked for this procurement under subsection 6 (d) – Only company is capable of performing the work.

7. Ownership of Intellectual Property

The Intellectual Property (i.e. CSA Waste Water Standard) once developed will be owned by the Canadian Standards Association. All work that is carried out under this contract is for the sole purpose of updating the CSA standard to address climate change adaptation to be better aligned with the National Construction Code changes.

8. Period of the proposed contract or delivery date

The contract period will be 2 years with an expected start date of December 20, 2016. Completion date anticipated for November 1st 2018.

9. Cost estimate of the proposed contract

Contract value will be to an upset limit of \$200,000 CAD (HST included).

10. Name and address of the pre-identified supplier

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11. Suppliers' right to submit a statement of capabilities

Suppliers who consider themselves fully qualified and available to provide 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.

12. Closing date for a submission of a statement of capabilities

The closing date and time for accepting statements of capabilities is December 20, 2016 at 14:00 hrs. EST.

13. Inquiries and submission of statements of capabilities

Inquiries and statements of capabilities are to be directed to:

NRC Contracting Officer: Melody Ellis
National Research Council
Bldg. M-22, 1200 Montreal Rd, Ottawa, ON
Telephone: 613-993-4461