Canadian Nuclear Safety Commission
Bid Solicitation # 5000075513
Questions and Answers #1
March 4, 2024

Number	Question	Answer
1	Would you be able to share any amendments or Q&As that were already published?	All documentation for this solicitation will be posted on the CanadaBuys website.
2	Is there an incumbent contractor for the work?	No, there is no incumbent. This is a new standalone requirement.
3	What is the expected/planned budget for the work?	$150,000 is the planned budget for the work.
4	Would CNSC be able to share some information about the data in question, i.e. volumetrics, number of sources, type of sources?	There are 47 databases/sources that 145 datasets were retrieved from that all vary in the amount of data they contain. The types of sources are: federal, provincial, and municipal governments and non-governmental organizations. The datasets are of various file sizes and timespans.
5	What are the specific report types and analysis does the contractor need to do using the data sets?	There will be an Introduction to the Database Report and a Data Analysis Report which should be composed with the intention that they will be shared publicly. The type of analysis conducted on the datasets will be advised by the hired consultant upon reviewing the available data. Any other reporting required is expected to be internal update/progress reports.
6	Is it expected to do out of box thinking on the data sets using statistical and AI to refer findings?	Out of the box thinking is considered an asset for the data analysis.

7	The duration of the project is 8 months from the date of start? Is this correct?	The duration of the project is expected to be approximately 9 months after contract award, however there may be some flexibility.
8	Do we need to source the data using pull method or Data will be send using push method?	Datasets have already been identified and downloaded from publicly available sources.
9	How many data source systems are involved?	Datasets have already been identified and downloaded from publicly available sources. All data is in excel table format.
10	What type of data sets are there? Structured or semi structured or unstructured?	All datasets are structured in excel table formatting, however structuring is not consistent between each dataset as they are from various sources.
11	Are there any sample reports existing to share?	No.
12	Is the new data warehouse database to be hosted on cloud? or on perm?	The database is to be hosted on the Open Science and Data Platform.
13	Do you want us to do estimations based on growth, size and future endeavours?	No predictive analysis is required. One project objective is to identify gaps in environmental monitoring data where future recommendations can then be made to improve monitoring, however specific estimations are not required.
14	Is the data streaming or batch processing or transactional?	Batch processing may be required.

15	What is the SLA for data availability?	All datasets have been downloaded from publicly available data sources but will need to meet Open Government and Open Science and Data Platform requirements. *Under the assumption that SLA means service-level agreement.
16	What is the impact of this implementation for CNSC?	The CNSC is hoping to enhance existing knowledge of the environment around nuclear facilities in the Ottawa River Watershed Basin. For more information on the objectives and impact of the project see the CNSC website: https://www.cnsc-ccsn.gc.ca/eng/resources/environmental-protection/rimnet/
17	What is the size of each data set? and estimated future growth?	There are 47 databases/sources that 145 datasets were retrieved from that all vary in the amount of data they contain. The types of sources are: federal, provincial, and municipal governments and non-governmental organizations. The datasets are of various file sizes and timespans. The database developed for this project will need to be updated at regular intervals.
18	For M1, would the client accept a PhD in Computer Science, a Bachelor with Honours in Mechanical Engineering, a Professional Engineer certification, or a PhD in Chemical Engineering as a relevant education?	The CNSC will accept a PhD in Computer Science, a Bachelor with Honours in Mechanical Engineering, a Professional Engineer certification, or a PhD in Chemical Engineering as a relevant education.
19	Would you consider extending the submission date?	The solicitation end date will be extended by two (2) weeks.