


Request for Proposal e-Advertisement

Ministry of Environment Anaerobic Digestion Regulatory Scoping and Research Consulting Assignments - Environmental Services

- All Locations Specified
-  Supplier Attachments Exist
- This document may be responded to Online

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Summary Details:

The British Columbia (BC) Ministry of Environment is seeking a Contractor to research and scope regulatory requirements for anaerobic digestion facilities in North America and European jurisdictions and to recommend regulatory options for BC.

The BC Ministry of Environment is anticipating an increasing number of on-farm and off-farm anaerobic digestion facilities across the province. The feedstocks for these facilities range from organic municipal solid and liquid waste to agricultural waste and other suitable waste types. The BC Ministry of Environment is investigating regulatory approaches in other jurisdictions for anaerobic digestion.

Interested Proponents should submit their proposals clearly reflecting how they will achieve completion of a report (the main deliverable of the Contract), that includes the following items, within three months of the award of the Contract:

- An assessment of information provided by the BC Ministry of Environment, such as previously commissioned reports and guidelines.
- An assessment of regulatory approaches for managing anaerobic digestion of municipal, agricultural and industrial wastes in the following jurisdictions: Alberta, California, England, European Union, Germany, Ontario, Quebec, Sweden, and Vermont plus a minimum of two other jurisdictions with a growing anaerobic digestion industry and similar energy prices to BC, chosen by the Contractor and approved by the ministry.
- For the selected jurisdictions assess, including summary tables for each subheading,:
 - the approved feedstock, including details on the required quality criteria (e.g. metal concentration limits, pathogen levels, pasteurization requirements, regulated (allowed) percentage of off-farm waste as feedstock for on-farm facilities etc.);
 - digestate management requirements including quality criteria, land application, storage, odour management, and nutrient management plan requirements;

- iii. requirements for energy production including the upgrading of biogas and generation of electricity;
 - iv. waste management concerns and discharge requirements including effluent and air emission criteria (e.g., volume limits, stack emission limits, etc.);
 - v. any safety concerns identified and associated requirements (i.e., address H2S and CH4 safety issues and concerns and the associated requirements);
 - vi. siting of the facility.
- d) An overview of the economic viability of anaerobic digestion as a waste management technology in BC.
 - e) An assessment of existing and upcoming BC on-farm and off-farm anaerobic digestion projects in terms of capacity, feedstock, and residual management etc.
 - f) An assessment of digestate properties (e.g., pathogen limits, metal concentrations, volatile solids) and the possibility of land application without further processing.
 - g) Information on related issues and concerns based on interviews conducted by the Proponent with technology vendors and anaerobic digestion facility owners, future proponents and government officials.
 - h) Recommendations for anaerobic digestion regulatory approaches for BC.

4.2 In addition to the report, the successful Proponent will be required by to:

- a) Conduct a start-up meeting/conference call with BC Ministry of Environment staff and the Contractor's project team to confirm the tasks, project scope and clarify any issues.
- b) Participate in biweekly conference calls with BC Ministry of Environment staff in order to track the progress of the Contract.
- c) Conduct a face to face meeting or live meeting with BC Ministry of Environment staff to present draft and the final project deliverables, conclusions and recommendations.

Please see the attached document for further information on the proposal and submission guidelines.

Recent questions:

1. Under Section B, 4.1b: An assessment of regulatory approaches for managing.... in different jurisdictions. I wonder if you already have these information or the project proponent needs to connect with these jurisdictions? See section B, 4.1b
2. Under the same section, 4.1d: an overview of the economic viability of AD as a waste management technology in BC: does your department has a database for the current operating AD system? See section B, 4.1d

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