

All enquiries related to this Request for Proposals, including any requests for information and clarification, are to be submitted by May 20, 2025, and directed, in writing, to procurement@bc-er.ca, who will respond if time permits. Information obtained from any other source is not official and should not be relied upon. Enquiries and any responses will be recorded and may be distributed to all Proponents at the BCER's option.

RFP# 21026002

Amendment 2 posted: May 20, 2025 (Extension to June 10, 2025)

Accelerated AI Engagement

Closing Time: Proposal must be received electronically
before 2:00 PM Pacific Time on: June 10, 2025

Delivery of Proposals

Proposals must be submitted electronically.

To: <https://procurement.bc-er.ca/>

Organization Overview

The BC Energy Regulator (BCER) is the Province of B.C.'s life-cycle energy resources regulator. The BCER is a Crown agency with a mandate to ensure both the environment and public safety are protected, and those with concerns have the opportunity to have their voices heard in the sustainable development of British Columbia's energy resources.

As a cost recoverable, values driven organization, we prioritize safety, stewardship, and Indigenous interests throughout the full project lifecycle – from exploration to reclamation – and support the transition to clean energy. The BCER is committed to reconciliation with Indigenous Peoples, honouring the Provincial commitment to the United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP), the Declaration on the Rights of Indigenous Peoples Act, and the Truth and Reconciliation Commission's (TRC) Calls to Action. Through fostering respectful and collaborative relationships with Indigenous partners and stakeholders, the BCER delivers on Government's priorities.

The BCER has an innovative forward-thinking workplace that demonstrates our core values. Through continuous improvement and development, the BCER is agile and responsive to the rapidly changing environment in which we operate. We are diverse and inclusive, with transparency, innovation, and integrity as the foundation of our respectful culture. Secured access to BCER information and systems is a foundational consideration in the management of the BCER's infrastructure.

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A. Definitions and Administrative Requirements

1. Definitions

Throughout this Request for Proposals, the following definitions apply:

“Contract” means the written agreement resulting from this Request for Proposals executed by the BCER and the Contractor;

“Contractor” means the successful Proponent to this Request for Proposals who enters into a written Contract with the BCER;

“Must”, or “mandatory” means a requirement that must be met in order for a proposal to receive consideration;

“Proponent” means an individual or a company that submits, or intends to submit, a proposal in response to this Request for Proposals;

“BCER” means British Columbia Energy Regulator;

“Request for Proposals” means the process described in this document; and

“Should” or “desirable” means a requirement having a significant degree of importance to the objectives of the Request for Proposals.

2. Terms and Conditions

Submitting a proposal indicates acceptance of all the terms and conditions set out in the RFP, including those that follow and that are included in all appendices and any addenda.

A proposal must be signed by a person authorized to sign on behalf of the Proponent with the intent to bind the Proponent to the RFP and to the statements and representations in the Proponent’s proposal. A scanned copy of the signed cover page of this RFP is acceptable as is a cover letter identifying the Proponent, identifying the RFP and including a signature of an authorized representative of the Proponent that confirms the Proponent’s intent to be bound. For proposals submitted to an electronic proposal constitutes the signature of an authorized representative of the Proponent and is acceptable without additional signature.

3. Electronic Submissions

For electronic submissions the following applies:

- a) The Proponent is solely responsible for ensuring that the complete electronic Proposal, is received before Closing Time;
- b) The maximum size of each attachment must be 500 MB or less and uploaded in a single attachment;
- c) Proponents should submit proposal submissions in a single upload and avoid sending multiple submissions for the same opportunity;
- d) Attachments must not be compressed, must not contain a virus or malware, must not be corrupted and must be able to be opened. Proponents submitting by electronic submission are solely responsible for ensuring that any emails or attachments are not corrupted. The BCER may reject proposals that are compressed, cannot be opened or that contain viruses or malware or corrupted attachments.

4. Additional Information Regarding the Request for Proposals

All subsequent information regarding this Request for Proposals, including changes made to this document will be posted on the BC Bid website at www.bcbid.ca. It is the sole responsibility of the Proponent to check for amendments on the BC Bid website.

5. Late Proposals

Proposals will be marked with their receipt time once submitted. Only complete proposals received and marked before closing time will be considered to have been received on time. Proposals that are received late will be marked late and will not be considered or evaluated. In the event of a dispute, the proposal receipt time as recorded by the electronic date stamp shall prevail whether accurate or not.

6. Eligibility

- a) Proposals will not be evaluated if the Proponent’s current or past corporate or other interests may, in the BCER’s opinion, give rise to a conflict of interest in connection with the project described in this Request for Proposals. This includes, but is not limited to, involvement by a Proponent in the preparation of this Request for Proposals. If a Proponent is in doubt as to whether there might be a conflict of interest, the Proponent should consult with the BCER Contract Management Analyst prior to submitting a proposal.
- b) Proposals from not-for-profit agencies will be evaluated against the same criteria as those received from any other Proponents.

7. Evaluation

Evaluation of proposals will be by a committee formed by the BCER and may include employees and contractors of the BCER. All personnel will be bound by the same standards of confidentiality. The BCER’s intent is to enter into a Contract with the Proponent who has the highest overall ranking.

8. Negotiation Delay

If a written Contract cannot be negotiated within thirty days of notification of the successful Proponent, the BCER may, at its sole discretion at any time, thereafter, terminate negotiations with that Proponent and either negotiate a Contract with the next qualified Proponent or choose to terminate the Request for Proposals process and not enter into a Contract with any of the Proponents.

9. Debriefing

At the conclusion of the Request for Proposals process, all Proponents will be notified of the award by email. Unsuccessful Proponents may request a debriefing meeting with the BCER.

10. Alternative Solutions

If alternative solutions are offered, please submit the information in the same format, as a separate proposal.

11. Changes to Proposals

By submission of a clear and detailed written notification, the Proponent may amend or withdraw its proposal prior to the closing date and time. Upon closing time, all proposals become irrevocable. The Proponent will not change the wording of its proposal after closing and no words or comments will be added to the proposal unless requested by the BCER for purposes of clarification.

12. Proponents' Expenses

Proponents are solely responsible for their own expenses in preparing a proposal and for subsequent negotiations with the BCER, if any. If the BCER elects to reject all proposals, the BCER will not be liable to any Proponent for any claims, whether for costs or damages incurred by the Proponent in preparing the proposal, loss of anticipated profit in connection with any final Contract, or any other matter whatsoever.

13. Limitation of Damages

Further to the preceding paragraph, the Proponent, by submitting a proposal, agrees that it will not claim damages, for whatever reason, relating to the Contract or in respect of the competitive process, in excess of an amount equivalent to the reasonable costs incurred by the Proponent in preparing its proposal and the Proponent, by submitting a proposal, waives any claim for loss of profits if no Contract is made with the Proponent.

14. Proposal Validity

Proposals will be open for acceptance for at least 90 days after the closing date.

15. Firm Pricing

Prices will be firm for the entire Contract period unless this Request for Proposals specifically states otherwise.

16. Currency and Taxes

Prices quoted are to be:

- a) In Canadian dollars;
- b) Inclusive of duty, where applicable; FOB destination, delivery charges included where applicable; and
- c) Exclusive of taxes

17. Completeness of Proposal

By submission of a proposal the Proponent warrants that, if this Request for Proposals is to design, create or provide a system or manage a program, all components required to operate the system or manage the program have been identified in the proposal or will be provided by the Contractor at no charge.

18. Subcontracting

- a) Using a subcontractor (who should be clearly identified in the proposal) is acceptable. This includes a joint submission by two Proponents having no formal corporate links. However, in this case, one of these Proponents must be prepared to take overall responsibility for successful performance of the Contract and this should be clearly defined in the proposal.
- b) Subcontracting to any firm or individual whose current or past corporate or other interests may, in the BCER's judgment, give rise to a conflict of interest in connection with the project or program described in this Request for Proposals will not be tolerated. This includes, but is not limited to, any firm or individual involved in the formulation of this Request for Proposals. If a Proponent is in doubt as to whether a proposed subcontractor gives rise to a conflict of interest, the Proponent should consult with the BCER Contact Person listed on page 1 prior to submitting a proposal.
- c) Where applicable, the names of approved sub-contractors listed in the proposal will be included in the Contract. No additional subcontractors will be added, nor other changes made, to this list in the Contract without the written consent of the BCER.

19. Acceptance of Proposals

This Request for Proposals should not be construed as an agreement to purchase goods or services. The BCER is not bound to enter into a Contract with the Proponent who submits the lowest priced proposal or with any Proponent. Proposals will be assessed in light of the evaluation criteria. The BCER will be under no obligation to receive further information, whether written or oral, from any Proponent.

Neither acceptance of a proposal nor execution of a Contract will constitute approval of any activity or development contemplated in any proposal that requires any approval, permit or license pursuant to any federal, provincial, regional district or municipal statute, regulation or by-law.

20. Definition of Contract

Notice in writing to a Proponent that it has been identified as the successful Proponent and the subsequent full execution of a written Contract will constitute a Contract for the goods or services, and no Proponent will acquire any legal or equitable rights or privileges relative to the goods or services until the occurrence of both such events.

21. Contract

By submission of a proposal, the Proponent agrees that should its proposal be successful, the Proponent will enter into a Contract with the BCER in accordance with the terms of the BCER's [Information Technology Professional Service Agreement](#).

22. Liability for Errors

While the BCER has used considerable efforts to ensure the information in this Request for Proposals is accurate, the information contained in this Request for Proposals is supplied solely as a guideline for Proponents. The information is not guaranteed or warranted to be accurate by the BCER, nor is it necessarily comprehensive or exhaustive. Nothing in this Request for Proposals is intended to relieve Proponents from forming their own opinions and conclusions with respect to the matters addressed in this Request for Proposals.

23. Modification of Terms

The BCER reserves the right to modify the terms of this Request for Proposals at any time in its sole discretion. This includes the right to cancel this Request for Proposals at any time prior to entering into a Contract with the successful Proponent.

24. Ownership of Proposals

All proposals submitted to the BCER become the property of the BCER. They will be received and held in confidence by the BCER, subject to the provisions of the *Freedom of Information and Protection of Privacy Act* and this Request for Proposals.

25. Use of Request for Proposals

Any part of this document, or any information provided by the BCER in relation to this Request for Proposals may not be used or disclosed, for any purpose other than for the submission of proposals. Without limiting the generality of the foregoing, by submission of a proposal, the Proponent agrees to hold in confidence all information provided by the BCER in relation to this Request for Proposals.

26. Reciprocity

The BCER may consider and evaluate any proposals from other jurisdictions on the same basis that the BCER purchasing authorities in those jurisdictions would treat a similar proposal from a British Columbia supplier.

27. No Lobbying

Proponents must not attempt to convey directly or indirectly with any employee, contractor or representative of the BCER, including the evaluation committee and any elected officials of the BCER, or with members of the public or the media, about the project described in this Request for Proposals or otherwise in respect of the Request for Proposals, other than as expressly directed or permitted by the BCER.

B. Requirements and Responses

Summary of the Requirement

The BCER is initiating a six-month AI engagement with a leading developer to build and deploy at least one production-ready AI solution (MVP) that drives measurable business value. This engagement will focus on permit automation, streamlining low-risk applications by evaluating application factors to determine their risk profiles, thereby expediting approvals. The engagement will follow an Agile framework, starting with secure data access and ideation, and progressing through development, testing, and deployment. It will also include compliance with privacy regulations, knowledge transfer, and a roadmap for future AI initiatives.

1. Anticipated Schedule

The following table outlines the anticipated schedule for this RFP. All times identified in the table are in Pacific Time.

Event	Anticipated Date
Enquiries deadline	June 3, 2025
Request closing time	June 10, 2025 at 2:00PM PST
Review, interviews, and reference checks as required	June 10-17, 2025
Preferred Proponent selected by	June 20, 2024
Commencement of work	June 2024

2. BCER Situation/Overview

The BCER regulates the full life cycle of energy resource activities in B.C., from site planning to restoration. We ensure activities are undertaken in a manner that protects public safety, safeguards the environment, supports meaningful reconciliation, and advances the public interest and contributes to B.C.'s economy. The BCER's current legislated mandate, regulatory framework, core activities and organizational structure are described in the [2025/26 2027/28 Service Plan \(PDF\)](#) available on the BCER's website at www.bc-er.ca.

BCER Responsibility

The BCER mission is as follows:

We regulate the life cycle of energy resource activities in B.C. from site planning to restoration, ensuring activities are undertaken in a manner that:

- Protects public safety
- Safeguards the environment
- Supports meaningful reconciliation
- Advances the public interest and contributes to B.C.'s economy

Background

The BCER is seeking to engage with a leading proponent of AI-powered solutions to help unlock the value of our data and develop actionable, business-driven outcomes. The successful proponent will support projects that create operational efficiencies, risk reduction strategies, and data-driven insights through AI-enabled solutions. This includes evaluating potential use cases, assessing feasibility, piloting solutions, deploying production-ready code, and supporting ongoing model evolution. The primary focus of this engagement will be on permit automation, streamlining low-risk applications by evaluating application factors to determine their risk profiles, thereby expediting approvals. Additionally, the BCER would like to identify and document a backlog of additional opportunities for AI advancement.

The proposed engagement is a six-month accelerated AI initiative aimed at delivering at least one Minimum Viable Product (MVP) in production—potentially more, depending on the value co-developed during the engagement. The developer must provide a full team of experts (e.g., project manager, data scientists, machine learning engineers, software developers) capable of delivering within an Agile framework to generate value rapidly for the BCER.

The engagement must initially focus on ensuring secure access to appropriate data and environments in order to establish the foundations for successful delivery. Following this focus will move on to ideation and prioritization, identifying business problems, gathering detailed requirements and defining scope. This will result in the establishment of a comprehensive backlog to guide spring planning and execution.

Subsequent phases will include solution development, deployment, and rigorous testing to ensure deliverables meet both technical and business objectives. Throughout, the developer will maintain the confidentiality, integrity, and availability of BCER information assets. This includes supporting the creation of Privacy Impact Assessments (PIAs) where applicable and ensuring full compliance with the [Freedom of Information and Protection of Privacy Act](#) (FOIPPA).

The final deliverable will include a functional MVP deployed to production, enabling end users to seamlessly incorporate AI solutions into their workflows. To support sustainability and adoption, the developer will provide comprehensive documentation and knowledge transfer. Additionally, a prioritized solution roadmap will be delivered to guide ongoing development of the current or future AI solutions beyond the scope of this engagement.

3. Requirements

Scope of Services

1. Project Planning & Onboarding

- Establish secure access to relevant data and environments.
- Define project governance, roles, and communication protocols.

2. Ideation & Use Case Prioritization

- Facilitate workshops to identify, assess, and prioritize AI use cases.
- Define problem statements, business requirements, and success criteria.
- Develop a comprehensive product backlog to guide Agile sprints.

3. Solution Development

- Design, build, and test one or more AI-powered solutions.
- Develop and deploy at least one Minimum Viable Product (MVP) into production.
- Ensure rigorous QA/testing aligned with defined business objectives.

4. Security, Privacy, and Compliance

- Maintain the confidentiality, integrity, and availability of BCER data.
- Support Privacy Impact Assessments (PIAs), as required.
- Ensure all work is compliant with the Freedom of Information and Protection of Privacy Act (FIPPA).

5. Knowledge Transfer & Documentation

- Provide thorough documentation for deployed solutions.
- Deliver user training and facilitate knowledge transfer for long-term adoption and operational sustainability.

6. Roadmap & Next Steps

- Deliver a prioritized roadmap for continued development of current or future Agentic AI solutions beyond the initial engagement.

7. Assistance with collaborative or grant funding opportunities

- Where possible, align with related Federal or BC provincial government projects to create mutual value and reduce costs.
- Where possible, provide support or guidance for funding opportunities that will enable the BCER to continue or scale this work at reduced cost.

Internal estimation of effort indicates this scope of work should be no more than **\$300,000** not including potential grants or other external funding opportunities. Our intention is for a six-month term with an option to extend an additional six months.

Deliverables

In addition to the services outlined above, the successful proponent will be responsible to provide the following:

- Status reports (format to be approved by Regulator).
- Monthly invoicing including a detailed breakdown of hours worked.
- Code from any delivered products will be checked into the BCER code repository.
- A backlog of other AI initiatives that should be considered for future implementation.

Format Requirements

The following format, sequence, and instructions must be followed to provide consistency in Proponent response and ensure each proposal receives full consideration. With all pages consecutively numbered, the proposals should contain the following parts:

- a) Table of contents with page numbers.
- b) Executive summary.
- c) The proposal in accordance with the content requirements, must be no more than 12 pages (not including resumes).

Content Requirements

Responses should be succinct and should focus on specific services and deliverables being proposed – please be considerate of the time it will take to review the submission.

To expedite a fair and unbiased proposal review process, the BCER's preference is for all proposals to use the following outline:

1. Summary of proponent location. Preference will be given to proponents with corporate head office in Canada. (½ page)
2. Summary of developer experience in implementing AI solutions for Canadian energy regulators and the Canadian energy industry (2-3 pages)
3. Summary of proposed resources experience and experience with BCER technologies (see appendix A). Proposed resources should be in Canada and able to work on Pacific Standard Time. (2-3 pages)
4. Provide full engagement cost and break down cost by scope of service. Additionally, provide the hourly rates for resources. Costs must be in Canadian dollars (CAD). (2 pages)
5. Confirmation of availability, including any constraints. (1/2 page)
6. Resumes (max half page each)

4. Evaluation of Proponent Response

The evaluation of responses will be conducted by a team consisting of employees and/or contractors of the BCER. All members of the team will be bound by the same standards of confidentiality.

This section details the mandatory and desirable criteria against which proposals will be evaluated. Proponents should ensure that they fully respond to all criteria to receive full consideration during the evaluation.

The lowest price proposal will not necessarily be accepted. The BCER reserves the right to refuse any proposal based on quality, service, price, reputation, experience and other criteria.

The Preferred Proponent will be the Proponent scoring the most points after evaluation. The evaluation process will consist of the following stages:

- Stage One – Mandatory Criteria
- Stage Two – Desirable Criteria

Mandatory Criteria

Proposals not clearly demonstrating that they meet the following mandatory criteria will be excluded from further consideration during the evaluation process:

- The Proposal must be received before the designated closing date and time.
- The Proposal must be in English and submitted electronically to <https://procurement.bc-er.ca/>
- The Proponent must confirm that any personal information received, collected or held over the course of the review will be stored and used only in Canada.
- The Proposal must contain an independence and objectivity statement confirming the Proponent is free of any actual or perceived conflict of interest and free of bias with respect to the BCER, its officers and employees.

Failure to meet all mandatory criteria above will disqualify the Proponent's Proposal from further review. If you have issues uploading to the procurement portal contact procurement@bc-er.ca before the deadline.

Desirable Criteria

The BCER seeks to enter into an agreement with the Proponent who, in the opinion of the BCER, has the resources with the knowledge and competence to provide the greatest value. Proposals meeting all the mandatory criteria will be further assessed against the desirable criteria.

Desirable Criteria	Weight
Proponent's Corporate Location	5%
Proponent's Relevant Experience <ul style="list-style-type: none"> • w/ Canadian Energy Regulators • w/ Energy Sector • Delivering AI solutions • Experience with AI funding opportunities 	35%
Proponent's Qualifications <ul style="list-style-type: none"> • Proven Track Record with AI solutions • Data and Privacy Compliance Knowledge • Security Expertise and Considerations • Projects that can run concurrently with this at the federal or provincial level 	25%
Proposed Approach and Resource Availability <ul style="list-style-type: none"> • Project Delivery • Value Add • Resource skillset and availability 	25%
Pricing <ul style="list-style-type: none"> • Total fixed price in CAD including hourly rates and estimated effort. 	10%

Informational Interviews

The top ranking (to a maximum of three) Proponents **may** be asked to attend an interview with the evaluation team. During the interview, the evaluation committee may clarify and/or verify statements made in the written Response.

The requirement for interviews is optional. The BCER reserves the right to complete the evaluation process without Proponent interviews.

Interview Criteria	Weight
Understanding of the requirements.	30%
Understanding of the BCER's environment and technologies.	15%
Proposed solution.	40%
Project delivery approach.	15%

The highest scoring Proponent (Preferred Proponent) will be selected by adding the scores from the desirable criteria and the interview.

Appendix A: Technologies in Use

Service Description	Tools / Technologies
Cluster Computing / Containerization	<ul style="list-style-type: none"> OpenShift <ul style="list-style-type: none"> Quay Advanced Cluster Security (ACS) Grafana Prometheus
	<ul style="list-style-type: none"> Docker
CI/CD	<ul style="list-style-type: none"> Microsoft DevOps Server
Automated Testing	<ul style="list-style-type: none"> Cypress
	<ul style="list-style-type: none"> Tavern
	<ul style="list-style-type: none"> SonarQube
Identity and Access Management Tool	<ul style="list-style-type: none"> Active Directory B2C
	<ul style="list-style-type: none"> Keycloak
	<ul style="list-style-type: none"> CAS SSO (legacy)
Workflow and Business Process Modelling	<ul style="list-style-type: none"> Camunda
	<ul style="list-style-type: none"> BPMN 2.0
Business Rule Management Tool	<ul style="list-style-type: none"> Drools
Automation	<ul style="list-style-type: none"> Red Hat Ansible
Enterprise Integrator and API Manager	<ul style="list-style-type: none"> Red Hat Integration (Apache Camel, Apache Karavan) Red Hat 3Scale (API Manager)
	<ul style="list-style-type: none"> WSO2 API Manager
Operating Systems	<ul style="list-style-type: none"> Windows Server 2019, 2016,
	<ul style="list-style-type: none"> Red Hat Enterprise Linux 8, 7
	<ul style="list-style-type: none"> Red Hat Core OS
M365 Technologies	<ul style="list-style-type: none"> SharePoint
	<ul style="list-style-type: none"> PowerApps
	<ul style="list-style-type: none"> PowerFlow
System development and implementation tools	<ul style="list-style-type: none"> .NET 8/C# (Primary for new development)
	<ul style="list-style-type: none"> Java
	<ul style="list-style-type: none"> Jersey
	<ul style="list-style-type: none"> AspectJ
	<ul style="list-style-type: none"> JPA
	<ul style="list-style-type: none"> Typescript
	<ul style="list-style-type: none"> JavaScript
	<ul style="list-style-type: none"> Angular

	• Spring
	• Hibernate
	• JSF
	• PrimeFaces (AJAX Controls)
	• Bootstrap
	• HTML5
	• XML, XSLT
	• JSON
	• SOAP
	• CSS
	• Python
	• Oracle Forms and Reports (19c)
	• SQL / PLSQL
Source Control	• Microsoft DevOps Server GIT
Database Platforms	• Oracle 19c (Primary)
	• PostgreSQL
	• SQL Server
Issue and Project Tracking and Collaboration	• Jira
Business Intelligence	• Power Bi
Data Virtualization	• TIBCO Data Virtualization
Web Servers	• Internet Information Server
	• Apache Tomcat
	• Apache Web Server
Financial Systems	• Microsoft Great Plains (moving to Microsoft Business Central)
	• Altec DocLink.
	• Microsoft eConnect
GIS Technologies	• ArcGIS Enterprise
	• ArcGIS
	• Geocortex Essentials
	• FME
Experience working with the following technologies an asset but not required	• POSSE
	• Craft CMS
	• Drupal