ELECTRIC MOBILITY CANADA
ACCELERATING ELECTRIC TRANSPORTATION

MOBILITÉ ÉLECTRIQUE CANADA
ACCÉLÉRER L'ÉLECTRIFICATION DES TRANSPORTS

February 19th, 2026

REQUEST FOR PROPOSAL & GUIDELINES

Project: **NATIONAL DISCLOSURE EV CHARGING DATABASE**

Timeline: **March 2026 – February 2027**

Background

Electric Mobility Canada (EMC) has launched project **"The National Disclosure EV Charging Database"** with partial funding from Natural Resources Canada. This initiative will enable participating charging site owners/operators to benchmark, track and enhance service quality, while providing valuable insights to industry stakeholders and EV drivers. The **National Disclosure EV Charging Database** builds on EMC's 2024 EV Charging Site Evaluation Tool, under the EV Charging Infrastructure Benchmarks project, which comprises 22 benchmarks across five categories (Charging Infrastructure, Charging Software, Charging Site, Payment, and Reporting/User Support) and is designed to reflect factors that directly impact user experience.

Project Objectives

To establish and publish an EV Charging Database for public charging sites in Canada to disclose service standards (benchmarks) and uptime data for fast chargers. The platform will also serve as a competitive intelligence tool. Participating operators will be able to benchmark uptime, pricing models, and other criteria contributing to enhanced user experience, enabling data-driven decisions to improve market share and profitability. Disclosure of high service standards can be leveraged in marketing campaigns to attract EV drivers and fleet customers.

Scope of Work & Deliverables Expected from Technical Consulting Firm

EMC is seeking a consulting firm that possesses the technical capability and experience, as well as a solid understanding of the EV ecosystem, to deliver the above-mentioned platform, as follows:

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(1) DATABASE FRAMEWORK AND TECHNICAL DESIGN: March-April 2026

Objective: Initiate design of the platform architecture

- draft platform architecture
- complete wireframes and UX mock-ups for operator dashboard and public view
- validate data model and API endpoints with advisory group
- technical architecture document (cloud hosting, scalability plan)

(2) PLATFORM DEVELOPMENT AND PILOT TESTING: April – September 2026

Objective: Develop MVP (Minimal Viable Product) of the database, conduct pilot testing, and refine platform based on feedback

- deploy alpha version for EMC review
- conduct security and penetration testing before pilot
- launch beta pilot with operators, collected feedback on usability and data accuracy
- prepare pilot evaluation report with recommendations for full launch
- recommend final refinements to the platform

(3) LAUNCH AND DISSEMINATION: October 2026 – February 2027

Objective: Launch the public-facing online platform and support user onboarding and knowledge sharing

- complete public-facing website integration (searchable database + filters)
- implement analytics dashboard for operator benchmarking
- deliver publicly accessible web platform where charging site operators can disclose service standards and uptime data, with benchmarking tools for comparative analysis
- provide support with training webinars for operators and stakeholders

Functional Requirements

- Core Features:
  - Data input and update capabilities for operators
  - Public-facing searchable database with filters (location, uptime, accessibility)
  - Benchmarking dashboard for operators
- User Roles:
  - Operator accounts (secure login)
  - Public access (read-only)
- Reporting:
  - Automated uptime reporting
  - Downloadable performance summaries

Non-Functional Requirements

- Performance: Minimum uptime (e.g., 99.9% availability)
- Scalability: Ability to handle thousands of sites and future expansion
- Security: Compliance with Canadian privacy laws (PIPEDA), encryption for data in transit and at rest
- Accessibility: WCAG 2.1 compliance for persons with disabilities

Technical Architecture

- Hosting: Cloud-based (preferred providers or vendor proposals)
- Database: Relational or NoSQL (define expected data types: site ID, charger type, uptime metrics)
- APIs: For data exchange with operators and potential integration with third-party systems
- Analytics: Built-in dashboard for benchmarking and usage metrics

Data Model and Standards

- Mandatory fields (e.g., station ID, location, charger type, uptime percentage)
- Benchmark categories (charging infrastructure, payment, accessibility)
- Outline data validation rules

Integration Requirements

- Ability to integrate with existing operator systems (via API)
- Future compatibility with smart charging or grid data

SLA and Support Expectations

    - Uptime guarantee
    - Response time for bug fixes
    - Ongoing maintenance and security updates

Proposal / Selection Process & Consulting Timeline

- February 23rd to 27th, 2026: Period to submit questions about RFP (see Contact Information below)
- **March 6th, 2026, 11:59pm: Deadline for proposal submission** (see Contact Information below)
- March 13th, 2026: Announcement of Selected Candidate
  The selected candidate will be contacted.
  All applicants will be notified of the outcome.
- March 16th-20th, 2026: Contract Negotiation and Signing
- **March 23rd, 2026: Consultation Start Date**
- January 31st, 2027: Final platform delivery & Presentation of results to EMC
- **February 28th, 2027: Consultation completion date**

Proposal Requirements

All information provided will be treated as confidential.

1. Describe your organization, expertise, and core business.
   Tell us when your organization was founded, its office locations, and number of employees.
2. How will you meet the objective, scope of work and deliverables defined for this market research project?
3. What qualifies you to complete this project successfully within the specified timeframe and budget? Highlight your past successes and give examples of projects comparable to this one.
4. Provide a budget overview, cost breakdown, and suggested payment schedule
5. What potential challenges and risks do you foresee, and what strategies would you employ to mitigate them?
6. List the team members who would work on this project, define their proposed role, and elaborate upon any relevant experience they bring.

7. Is there any additional Information or support that you would require to successfully move this project forward?

8. Please provide two references with contact information (email address & telephone).

9. Provide any other relevant information or supporting documents that you deem valuable to your application.

Evaluation Criteria

Proposals will be evaluated according to:

- overall qualifications and technical competence
- understanding scope of work
- strategic planning for successfully completing each phase
- prior experience with similar projects
- budget approach and cost effectiveness

Project Support

EMC will be available to answer questions and offer guidance for the duration of the project.

EMC guidance and support will include coordinating consultations with EV charging stakeholders through a project advisory committee and member consultation activities.

EMC Contact Information

Respondents should submit any questions related to the RFP and express of interest by sending an email to sandra.dsylva@emc-mec.ca with "National Disclosure EV Charging Database" in subject line.