



March 15, 2017

Program Call for Hydrogen Fueling Infrastructure  
Number: HI-2-2017

The B.C. Ministry of Energy and Mines (the Ministry) is inviting public and private organizations to apply for the provincial Clean Energy Vehicle (CEV) Program Hydrogen Fueling Infrastructure Funding who have, at the time of application, successfully leveraged funding from Natural Resources Canada (NRCan)'s 2016 *Electric Vehicle and Alternative Fuel Infrastructure Deployment Initiative* to install hydrogen fueling infrastructure within B.C. A maximum of \$550,000 in CEV Program funding is available for this call.

## Background

The CEV Program was designed to reduce barriers to the adoption of CEVs, including the cost and availability of new vehicles and the availability of charging infrastructure. The CEV Program has been highly successful in starting the transition to a transportation system that is powered by clean energy.

To date, the CEV Program has helped put over 4,800 electric vehicles on the road and supported the development of over 1,100 charging stations, resulting in 288,000 tonnes of direct greenhouse gas (GHG) emissions reductions. In 2015, the zero emission vehicle sector in B.C. encompassed 198 companies, employed approximately 3,850 full-time equivalents, and contributed approximately \$700 million in total direct economic activity.

The August 2016 Climate Leadership Plan committed to expand the CEV Program to support new vehicle incentives and infrastructure, as well as education and economic development initiatives. As such, the Province is injecting an additional \$40 million into the CEV Program to ensure purchase incentives continue to be available for British Columbians who choose a qualifying electric or hydrogen fuel cell vehicle, and to make further investments in charging infrastructure and hydrogen fueling infrastructure. The new CEV Program funding will also support public outreach, job training and economic development to help grow the CEV sector in B.C.

B.C. has long been a leader in the hydrogen fuel cell industry, with a 25 year history of over 35 companies with over 1,200 skilled workers. British Columbia hydrogen and fuel cell technology is being sold around the world, and further investments in the sector to support local deployments of hydrogen fuel cell vehicles will enable the sector to maintain and grow its international leadership position. In addition, the availability of low carbon intensity hydrogen via electrolysis and capture of by-product hydrogen streams positions B.C. to maximize the GHG emissions reduction benefits of hydrogen deployment.

Within the CEV Program, the Province has taken a technology-agnostic approach to zero emission vehicles, and in addition to providing incentives and infrastructure investment in battery electric vehicle

technologies, is also the first jurisdiction to offer a point of sale incentive for hydrogen fuel cell CEVs (FCEV) of up to \$6,000, or up to \$12,000 if scrapping a vehicle through SCRAP-IT.

In partnership with the Canadian Hydrogen and Fuel Cell Association, the Province is currently supporting the installation of a hydrogen fueling station in the Metro Vancouver area. The expected completion is Fall 2017. With the new CEV Program funding, the Province plans to support additional hydrogen fueling infrastructure in B.C. to attract upcoming automaker deployments of FCEVs to the region. A key criterion of the CEV Program funding is that it leverages other partner investments in hydrogen fueling infrastructure.

### Selection Process:

This program call is intended to support hydrogen infrastructure projects that have already secured NRCan funding in the 2016 *Electric Vehicle and Alternative Fuel Infrastructure Deployment Initiative* Request for Proposals. Consequently, applications to this program call will be evaluated using the same criteria, as described below.

Interested parties are invited to submit, by email, their completed NRCan proposal and draft contribution agreement with NRCan along with a cover letter requesting funding and outlining a clear timeline with deliverables, for consideration by no later than 5 pm, March 24<sup>th</sup>, 2017, by email to [CEVEnquiries@gov.bc.ca](mailto:CEVEnquiries@gov.bc.ca), c/o Dian Ross.

Applications will be evaluated against the criteria and applicants will be informed if their project has been successful by March 28, 2017. The Province will then provide a letter of support for approved projects stipulating Provincial financial commitment to the Project subject to the successful negotiation of a shared cost agreement, standard Provincial form provided in Appendix A.

### Selection Criteria:

This is a competitive process. Project proposals will be evaluated against the following criteria.

#### Mandatory Criteria

1.	Is the Project located in Canada?	Yes/No
2.	Is the Project open to the public?	Yes/No
3.	Is the Project new?	Yes/No
4.	Will the Project be completed before March 31, 2018	Yes/No
5.	Has the applicant demonstrated that they have secured their funding*?	Yes/No
6.	Has the applicant secured access to the Project site?	Yes/No
7.	Does the Proposal include a signed attestation by a duly authorized officer?	Yes/No

\*Applicant must demonstrate that they have also secured NRCan funding by providing a draft contribution agreement.

#### Evaluation Criteria:

Proposals that meet the mandatory criteria listed above will then be reviewed and assessed based on merit on the criteria below rated and ranked.

### **Financial and Reporting**

1. Secured Project financing: At a minimum, each applicant must show that they have already secured 50% of funding required to complete the Project. Applicants must provide a draft contribution agreement from NRCan demonstrating that they have been successful under the *Electric Vehicle and Alternative Fuel Infrastructure Deployment Initiative*.
2. Business case of the Project: In the Project description, the applicant must outline its business case for the fueling/charging infrastructure.
3. Readiness: Applicants must demonstrate that proposed Projects have already met a certain state of readiness by identifying and securing required permits.
4. Established market: The supporting documents must demonstrate that there is a demand for the proposed infrastructure through market research, industry commitment to provide a number of vehicles, etc.
5. Fuel supply: Has the applicant negotiated with fuel suppliers, and at what stage are these negotiations?
6. Proximity to a border crossing: Is the proposed fueling infrastructure within an adequate distance of a Canada/US or provincial border?
7. Co-location: Is the Project co-located with other existing public fueling infrastructure or other facilities?
8. Managerial experience: What is the level of experience of the Project manager, in both conventional fuels industry, and the alternative fuels industry? Has Project manager of the Project previously installed the type of infrastructure being proposed? In order to confirm the information a description of past Projects and a CV of the Project manager must be included.
9. Project delivery: Applicants must provide a detailed Project timeline with clear milestones and deliverables. Project deployment is expected to commence Spring 2017, and must be completed no later than March 31, 2018.

### **Technical**

10. Sustainability: In order to be prepared for technology upgrades, or to allow for easier expansion in the future, the applicant may rough in their fueling infrastructure for additional ports/pumps, and prepare for new technologies.
11. Fueling Technology: The applicant must commit to dispensing hydrogen at 70MPa.

GOVERNMENT CONTACT PERSON:

All enquiries related to this Program Call, including any requests for information and clarification, are to be directed, in writing, to the following person 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 applicants at the Province's option.

Dian Ross  
Clean Transportation Engineer (E.I.T.)  
[CEVEnquiries@gov.bc.ca](mailto:CEVEnquiries@gov.bc.ca)

DELIVERY OF PROPOSALS:

Applications must be received via email no later than 5 pm on March 24<sup>th</sup>, 2017. Late applications will not be considered.