# HYDROGEN INNOVATION FUND

## Project Brief

**Organization:**

**Project Title:**

**Project Length:**

IESO Funding Request: $XX (X% of $X total project value)

Date:

### One-liner of what the project is about (EXAMPLE: Demonstrating the capabilities of electrolysers to provide grid services including operating reserve, frequency response and smoothing of renewable generation)

Project Summary: Please provide a description of the project, including the problem statement that the project is aiming to address.

#### Project Partners

**Company X** is the project lead, and will contribute $X in cash and/or in-kind contributions (if in-kind contributions, describe them).

**Company Y,** <company description>, will provide <describe what they are contributing to the project (e.g. data loggers, evaluation analysis> with a cash and/or in-kind contribution of $X.

#### Barriers and Opportunities and Solution to be tested/evaluated

| Opportunity to improve reliability, affordability | Barrier (what keeps this opportunity from being realized in Ontario today) | Solution to be tested/evaluated through the project if funded by GIF |
| --- | --- | --- |
| EXAMPLE BELOW – ALL BULLETS TO BE UPDATED AS APPLICABLE TO PROJECT BEING DESCRIBED   * Increase competition in the IESO-administered markets by providing grid services from a new technology type * Offset distribution or transmission system upgrades that would result due to significant increase to the load | EXAMPLE BELOW – ALL BULLETS TO BE UPDATED AS APPLICABLE TO PROJECT BEING DESCRIBED   * Updates to certain codes and regulations related to hydrogen technologies * Lack of information about feasibility, costs, and technical capabilities of low-carbon hydrogen technologies | EXAMPLE BELOW – ALL BULLETS TO BE UPDATED AS APPLICABLE TO PROJECT BEING DESCRIBED   * Demand response and ancillary service potential * Different pricing structures * New business model |

#### Additional Project Details/Context

* INSERT TEXT HERE, if applicable

#### Outputs

This project will ....

Outputs include:

EXAMPLE PROVIDED BELOW. LIST TO BE UPDATED AS APPLICABLE TO PROJECT BEING DESCRIBED

* Development of IESO-approved M&V Plan
* New pricing structure specific to DERs
* Analysis of load shift and DR even impacts using IESO’s Standardized DER Test Cases
* Analysis of energy impacts, customer satisfaction and cost-effectiveness assessment
* Insight into the relative merits of different settlement methods

#### Outcomes

If successful, this project will demonstrate …