



## Request for Expressions of Interest (REOI)

### For Involvement of Development of Curriculum for a “Hydropower System Principals” Course for Hydropower Professionals

Deadline to Respond: December 18, 2023

#### I. The Need for Training

As the current workforce in the water power industry moves toward retirement and new employees are hired or existing employees are moved into hydro-related roles to backfill these open positions, the need for continuing education and professional development for these employees is greater than ever before.

To aid in fulfilling this need, the National Hydropower Association (NHA) has established the Hydropower Academy, and is working toward developing a professional development training program.



This new service offering will be available for employees of both NHA member organizations as well as the industry at large.

#### II. NHA Seeks Expressions of Interest for Curriculum Development

An important component of the development of the training program is **curriculum development**.

This Request for Expressions of Interest, or REOI, is designed to stimulate and assess interest from companies, academia, and individuals regarding interest in formally responding to a Request for Proposals (RFP) for curriculum development.

Through the REOI, we also expect to identify those in position to donate in-kind contributions in the form of already developed resource material.

NHA requests all responses be submitted no later than December 18, 2023, after which time the curriculum development scope and bidders' list will be finalized.

It is anticipated that the formal RFP will be issued in early January 2024; an information session will also be held shortly thereafter.



### **III. Details about the Proposed Course**

Although there are various training offerings available in the industry covering different aspects of hydropower, there currently does not exist an all-encompassing option looking at the full system of hydropower production.

Development of a Hydro Basics / 101 course has been suggested as phase 1; the working title of the course is currently "Hydropower System Principals" and would cover:

1. Introduction / Overview / Foundation / Water to Wires
2. Production Planning and Water Management
3. Dam Safety
4. Equipment, Engineering and Technology
5. Asset Management, including Reliability
6. Markets
7. Environment
8. Licensing/Permitting

Given the proposed course content and the eight modules outlined above, this represents approximately 40 hours of training, while targeting approximately 5 hours per module.

The course content will be delivered virtually. However, NHA will also explore opportunities to leverage existing in-person national and regional events owned and organized by NHA in order to supplement learning opportunities.

In addition to the 40 hours of training, NHA envisions also offering a 1-day overview course.

Requirements for development of the curriculum:

- Prepared with rigor and high-quality standards
- A testing component for each module
- Completion certificate/professional development hours (it is also a goal to seek formal accreditation for the course.
- Packaging of the curriculum in the form of self-learning modules in order to provide enrollees with the flexibility to consume materials at their own pace, assign mentors internally to promote internal networking/ knowledge transfer, and make this training available as part of an organization's internal on-boarding.

### **IV. Submission Requirements and Schedule**

We kindly request that interested parties responding to this Request for Expressions of Interest (REOI) demonstrate that they possess the knowledge, experience, and capabilities, including the following:

- Identify the modules of interest to your organization (can choose specific modules or all 8 – see section III).



- Identify the key personnel and/ or team that will perform the work of curriculum development. Also, please note any subcontractors or other consultants, if any, to be engaged. Joint ventures and partnerships are welcomed.
- Highlight experience and qualifications, with particular focus on the modules of interest.

For those wishing to contribute in-kind, we kindly request that you outline the following:

- Applicable modules
- Nature of contributions
- Expected recognition in return

Responses to this REOI must be submitted by **December 18, 2023, at 8:00pm ET (5:00pm PT)**, after which time the scope and bidders' list will be finalized.

It is anticipated that the formal RFP will be issued in early January 2024, an information session will also be held shortly thereafter.

#### **V. General Terms**

NHA will not be liable for any costs incurred by an interested party in responding to the REOI, preparing its proposal, or during negotiations of a contract between NHA and a consultant. Further, NHA has no obligation to enter into a contract only with a party submitting a response to this request for expression of interest.

Questions about the REOI, as well as responses, should be directed via email to:

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National Hydropower Association  
E-Mail: [chris@hydro.org](mailto:chris@hydro.org)  
Phone (514) 795-8413

We kindly ask that questions be put in writing (i.e., e-mail) to facilitate a consistent response with all prospective parties in the development this work.

#### **VI. About NHA**

The National Hydropower Association (NHA) is a non-profit national trade association dedicated to securing all forms of water power (conventional hydro, pumped storage, and marine energy) as a clean, carbon-free, renewable, and reliable electricity source that provides power to an estimated 30 million Americans.

NHA's membership consists of more than 325 organizations, including public and investor-owned utilities, independent power producers, equipment manufacturers, and professional organizations that provide legal, environmental, and engineering services to the hydropower industry.