

2024 Clean Currents Teacher Workshop

Mark your Calendars!

Date and Location

October 9, 2024
Oregon Convention Center
777 NE Martin Luther King, Jr Blvd
Portland, OR 97232

Who Should Attend?

- **High School Science Teachers**
- **CTE Educators**

How Can You Register to Attend?

Please click on the link below to complete registration. **Registration is Free!**

https://needorg.my.salesforce-sites.com/event/home/cleancurrent2024

Please register at least 10 days prior to the event.

For The Attendees:

- Substitute reimbursement
- Choice of a NREL Hydropower Kit or Marine Energy Kit
- NEED Curriculum Packet

Question

Contact Wendi Moss at wmoss@need.org or call 1-800-875-5029

Program Partners

National Energy Education Development Project
The National Energy Education Development Project promotes an energy conscious and educated society by creating effective networks of students, educators, business, government and community leaders to design and deliver objective, multi-sided energy education programs.

BEF/Clean Energy.Bright Futures
CE is a national clean energy, career connected education program from Bonneville Environmental Foundation. CE provides solutions-oriented clean energy and climate solutions education to advance local educational goals and priorities that prepare the next generation to participate in, benefit from, and lead an equitable energy future.

U.S. Army Corps of Engineers
The U.S. Army Corps of Engineers (USACE) Hydropower Program is the largest generator of hydropower in the nation, with 75 power-producing dams housing 356 individual generating units. USACE's hydropower assets generate more than 70 billion kilowatt hours per year of clean renewable energy.

Foundation for Water & Energy Education
The Foundation is committed to providing balanced information regarding the use of water as a renewable energy resource in the Northwest.

Sponsors

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy
WATER POWER TECHNOLOGIES OFFICE

NHA National Hydropower Association

Agenda

8:30 a.m. **Registration**

9:00 a.m. **Welcome from the National Renewable Energy Lab and National Hydropower Association**

9:15 a.m. **Electric Connections – The NEED Project**
In this lesson, participants will examine how hydropower fits into the regional and national electricity generation mix.

9:30 a.m. **The Science of Hydropower and Marine Kinetic – The NEED Project**
How does a hydroelectric dam generate electricity? Create a hydropower model for use in your classroom and explore marine hydrokinetic models.

10:30 a.m. **Careers in Hydropower – BEF/Clean Energy.Bright Futures**
What careers are available in hydro power today? How can educators create more career awareness in their students? CE staff will share best practices for career connected learning and industry partnerships.

12:00 p.m. **"Explore the Corps" Lunch and Learn**
Did you know you don't have to be in the Army or be an engineer to have an exciting career with the U.S. Army Corps of Engineers? In this power hour, you will learn about the USACE missions, their role in providing hydropower to the nation, and the many electrifying career opportunities they offer. Through a hands-on tutorial of USAjobs, you will practice your research skills, which will empower you with great information to share with your students about internships, entry-level positions, virtual career fairs, and more! Then, get amped up with some dam field trip, job shadow, and guest speaker options! Watt could be better than that?

1:15 p.m. **Hydropower in the Northwest – Foundation for Water and Energy Education**

2:15 p.m. **Wrap Up, Posttest and Evaluation**

2:30 p.m. **Tour Clean Currents Exhibits**
Participants will have the opportunity to tour the exhibit floor. Participants are free to depart from the exhibit floor as needed.