



Hydropower Teacher Training & Kit

November 19, 2025 | 4:30 p.m. - 6:00 p.m. | FREE | Online

Explore REDi Island: Hydropower Lessons and Hands-on Activities for Secondary Students

Overview

Join the Foundation for Water and Energy Education (FWEE) for an engaging virtual training that brings renewable energy to life in your classroom!

Developed by the National Renewable Energy Laboratory (NREL), REDi Island is an interactive, virtual world where rivers, tides, and waves power communities, protect our environment, and provide clean water. Through FWEE’s hands-on training, secondary teachers will explore REDi Island’s **Hydro Hollow, River Ramble, and Hydro Heights** - each designed to immerse students in the science and engineering of hydropower.

Participants will experience a blend of virtual simulations, hands-on labs, and ready-to-use classroom materials that help students:

- Investigate how water powers our world
- Model the conversion of energy through hydropower
- Understand the power grid and environmental impacts of energy production

All lessons are aligned with the **Next Generation Science Standards (NGSS)** and include editable teacher guides, student worksheets, and presentations—developed by educators and reviewed by industry professionals to enhance existing instruction and ensure standards alignment.

Bring renewable energy learning to life and empower your students to explore the future of clean power!

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REGISTER NOW

Presenter:

Matthew Cannata, Teacher
Quincy Middle School

Registration:

Free and includes three classroom kits distributed after training. *(Available on a first-come, first-served basis.)*

Intended Audience:

All secondary science and CTE teachers. *(90-minute training with clock hours for WA teachers or certificate of completion for 1.5 Professional Development Units for Oregon Teachers.)*

Participant Incentive:

Teachers who complete the training will receive three (3) of the *Thames & Kosmos Hydropower Science Kits*—A \$150 value!



Questions?

Contact the FWEE Office at info@fwee.org.

Sponsor:

