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PRESENTS:

College of the Atlantic

105 EDEN STREET
BAR HARBOR, MAINE

SAVE THE DATE: JULY 29-31, 2026



PROJECT RECHARGE PROFESSIONAL LEARNING

STEM ENERGY CURRICULUM & TRAINING PROGRAM!

Earn 20 contact hours of Professional Development

WE WANT TEACHERS LIKE YOU!

4-12th grade educators in STEM, and CTE
from public, charter, or private schools

FREE NGSS-BASED STEM ENERGY CURRICULUM

20+ hands-on lessons, activities and handouts

RECEIVE A \$500 STIPEND !

Join the growing community of STEM teachers and professionals

Sign up here: bit.ly/Recharge-2026

Questions? Contact David Gibson, COA Director of Energy: dgibson@coa.edu

Teachers will be housed on the COA campus.

Room and board included.

Local outings include a tour of recent clean energy improvements on campus.



Project ReCharge Teacher Workshop Topic Areas

Building Science: understanding whole-building connections

- How do moisture, air and heat move around within a building?
- What are the health benefits of home energy improvements?
- How do ice dams form, how are they prevented?
- Home energy audit demonstration by COA student interns!

Energy efficiency: hands-on activities for your classroom

- Insulation: Test out various types of insulation; who can keep water hot for the longest?
- Lights: Measure the energy use and temperature of light bulbs; how much could your school save with a lighting retrofit?
- Appliances: measure refrigerators, office, and home appliances; what's the biggest energy hog in your school?
- Hot water: measure flow rate, temperature, and calculate energy use and costs for different types of water heaters.
- Heating & Cooling: passive heating and cooling strategies, heating system basics

Electrification: switching away from fossil fuels

- Heat pump water heaters
- Mini-split heat pumps and commercial systems
- Electric vehicles and charging stations

Renewable energy: local clean energy generation

- Solar
- Wind
- Geothermal

School and career connections: opportunities in Maine

- Glenn Cummings, Maine Director of Green Schools
- Local energy professionals

Campus energy tour:

Learn what steps COA has taken to cut our fossil fuel consumption in half over the last four years. See (and smell) the difference that a vapor barrier and foundation wall insulation can make. What improvements can be replicated to reduce costs in your home or school?

Public presentations (at COA Summer Institute: <https://coa.swoogo.com/si>)

- Robin Wall Kimmerer (Plant ecologist, educator, and author of 'Braiding Sweetgrass: Indigenous Wisdom, Scientific Knowledge, and the Teachings of Plants')
- Ayana Elizabeth Johnson (Marine biologist, Co-founder of Urban Ocean Lab, and author of 'What if We Get it Right? Visions of Climate Futures')
- Many more!

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