



Educators Newsletter

Winter 2021



MEET CEI'S NEW EDUCATION TEAM

Danica Hendrickson is CEI's new Associate Director for Education and Workforce Engagement. 2021 Education & Training Fellows are UW graduate students Claire West and Maria Viitaniemi.

READY TO GO RESOURCES: THREE PILLARS OF CEI'S RESEARCH



Solar energy: **hands-on activity**

Build a solar spinner to explore the conversion of energy from solar to electrical to mechanical.



Energy storage: **science highlights** **reading**

Read about technologies used for large-scale energy storage and check your understanding by answering a few questions.



Energy systems: **video**

Learn how UW CEI researchers are working to improve the integration of renewables into the electrical grid.

SUPPORTING ENERGY EDUCATION IN WASHINGTON STATE



Clean energy ambassadors

Outreach to the university, K-12 students, and the public is an important part of the CEI mission – whether in-person or virtual. Please complete this short survey to help us learn how we can support you and your students with virtual outreach this year.



CLEAN ENERGY LESSON PLANS

Clean energy lesson plans

CEI has developed 27 lesson plans that highlight clean energy science and STEM skills needed for research. These NGSS-aligned lessons for elementary, middle school and high school can be freely downloaded.

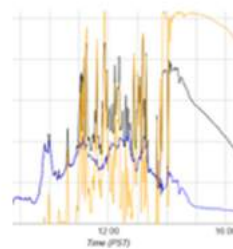
OTHER RESOURCES



Applications for CEI's [Research Experience for Teachers](#) and [Undergraduates](#) are due March 5, 2021. Please encourage community college teachers or undergrads you know to apply!



Applications for the UW Molecular Engineering Materials Center (MEM-C) Research Experience for Teachers (RET) are due March 5, 2021. Get paid to do summer research and create lessons! [MEM-C RET](#)



Today's solar energy in Seattle in a real time graph. The gold line is the direct radiation and the blue is the indirect. [CEI Radiometer](#)

Clean energy ambassadors satellites

The Clean Energy Institute has equipped the [Science in Action](#) team at Gonzaga University with a complete solar car derby setup and desktop display signs for solar technology. Each quarter a new group of students gives back by visiting Spokane area classrooms. This expands our satellite program including the [Collins Research Group](#) at WSU which is ready to visit Pullman area schools.

CEI videos and demos



Find more [educational videos and demos about clean energy research!](#)

Get your classroom SunDawg Bag



Interested in demonstrating solar energy in your classroom? Elementary teachers in Washington State can sign up to receive a SunDawg bag. The kit contains 2 solar cars, reflectors, filters and lesson plans. [Sundawg bag signup](#)

Visit the [Clean Energy Institute website](#) for many more lesson plans and resources.

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