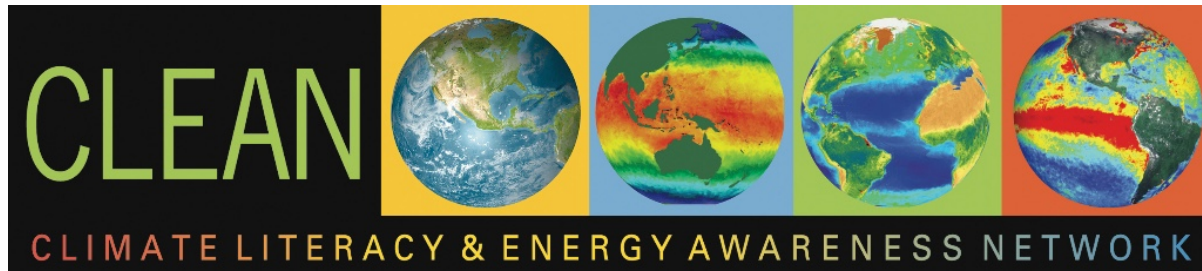
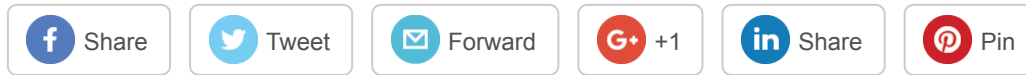


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CLEAN STEM Flash

A Timely Climate and Energy E-Learning Series to Use and Share

March 4th, 2021

Topic: Wind Energy

Renewable energy is an important factor in moving forward with climate change. There are several types of renewable energy but today we will focus on wind power. In this newsletter, you will find two resources on wind power: 1) an activity that has students explore where the best location for a new wind farm is, and 2) a video that discusses how wind turbines generate energy. We have also included an article that describes a recent step forward from the company Vestas, a global leader in wind turbine production, who have recently been investing in greener materials. Lastly, we want to hear from YOU! We are calling on our subscribers to share what they value in CLEAN.

CLEAN Resource Feature

Activity: [Where do you put a wind farm?](#)

In this learning activity, students analyze various sources of information to determine the best location for a new wind farm. Students will analyze and interpret maps, synthesize data from a variety of sources, and identify the major variables considered when siting a large wind farm

Audience: Middle School, High School, College Lower, General Public

Browse CLEAN for more activities on [Wind Energy](#).

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tables, and reading materials to compare and contrast two potential sites for a wind farm. Each group completes an evaluation table by scoring the criteria and then decides which site is optimal. Each group writes a proposal describing the assets of the site and presents it to the class.

CLEAN Resource Feature

Video: [Energy 101: Wind Turbines](#)

This video provides a simple introduction to wind turbines and how they generate electricity.

Audience: Middle School, High School, College Lower

Take a look at some more CLEAN videos focused on [Renewable Energy](#).

See how wind turbines generate clean electricity from the power of wind. The video highlights the basic principles at work in wind turbines, and illustrates how the various components work to capture and convert wind energy to electricity. This updated version also includes information on the Energy Department's efforts to advance offshore wind power.



In the News: [Vestas invests in Swedish firm that builds wooden towers for wind turbines](#)

Vestas is a Danish wind turbine manufacturer that is one of the leaders in the global industry. They have recently been working on larger wind turbines that generate more electricity. This article discusses their recent investment in a Swedish company that creates wooden towers for the wind turbines. This investment portrays Vestas' continued commitment for a greener future and less

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CLEAN Testimonials

We want to know how CLEAN has served you!
Please share with us how you are making use of CLEAN in your classroom or your work.

CLEAN would like to hear from you personally. Can you share with us how you are using CLEAN - in your classroom or in other ways? In what ways does CLEAN provide support or makes your life easier? Is there a favorite resource you go to time and again? Is there a teaching guidance page that has offered help in your own learning? Do you particularly enjoy the newsletters, teleconference calls, or webinars? Please take a moment to share with us through a short video or written testimonial!

Please follow [this link](#) to our survey where you can upload a short video or write about your experience.

The first 50 submissions that describe the use of CLEAN in action will receive a \$5 gift card.

Thank you for your support and participation in strengthening the work that CLEAN does!

- CLEAN Team

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