

Learn more about KidWind!

KANSAS KidWind Challenge



What is the KidWind Challenge?

It's an annual STEM competition that allows students to explore the power of wind by building and testing their own wind turbines and then competing in a fun, supportive environment. If you have creative students who love to tinker and problem solve or who are interested in engineering, electricity, or alternative energy, the KidWind Challenge is a great opportunity! It takes place from February to April each year – see opposite page for details.

How do the competitions work?

Teams build their turbines before attending one of six regional KidWind Challenges throughout Kansas. At the challenge, teams test their turbines for energy output in a wind tunnel, present their turbine design-and-build process to a panel of judges, take a knowledge quiz, and participate in an instant challenge. The top two winners in each age division from each of the regional challenges move on to compete at the statewide challenge. Teams that win at the statewide KidWind Challenge are invited to attend the World KidWind Challenge.

Who can participate?

Any student in 4th-5th, 6th-8th, or 9th-12th grade. There is no restriction on team size, but 3 to 5 students per team is recommended. Teams can come from public schools, home schools, after-school clubs, etc. They just need to have an adult (coach) with them at the event. Schools can register up to three teams per age division, but only two teams are initially guaranteed a spot at the event. Additional teams will be placed on the waitlist.

What does it cost?

There is no cost to register, only costs for supplies to build the turbine. The only required item is a KidWind Generator from Vernier that costs \$25 for a set of three. Please reach out to the Kansas Energy Program and generators can be provided to your school. Mileage reimbursement and stipends for teacher substitutes are available. Lunch is provided.

How long does it last?

Each KidWind Challenge is an all-day competition (typically 9:00 a.m. to 4:00 p.m.). We will work with your school if you need to arrive late or leave early.

Still have questions or ready to register?

Visit <https://kansasenergyprogram.org/kidwind> or reach out to the Kansas Energy Program at ksenergyprog@ksu.edu or 785-532-6026.

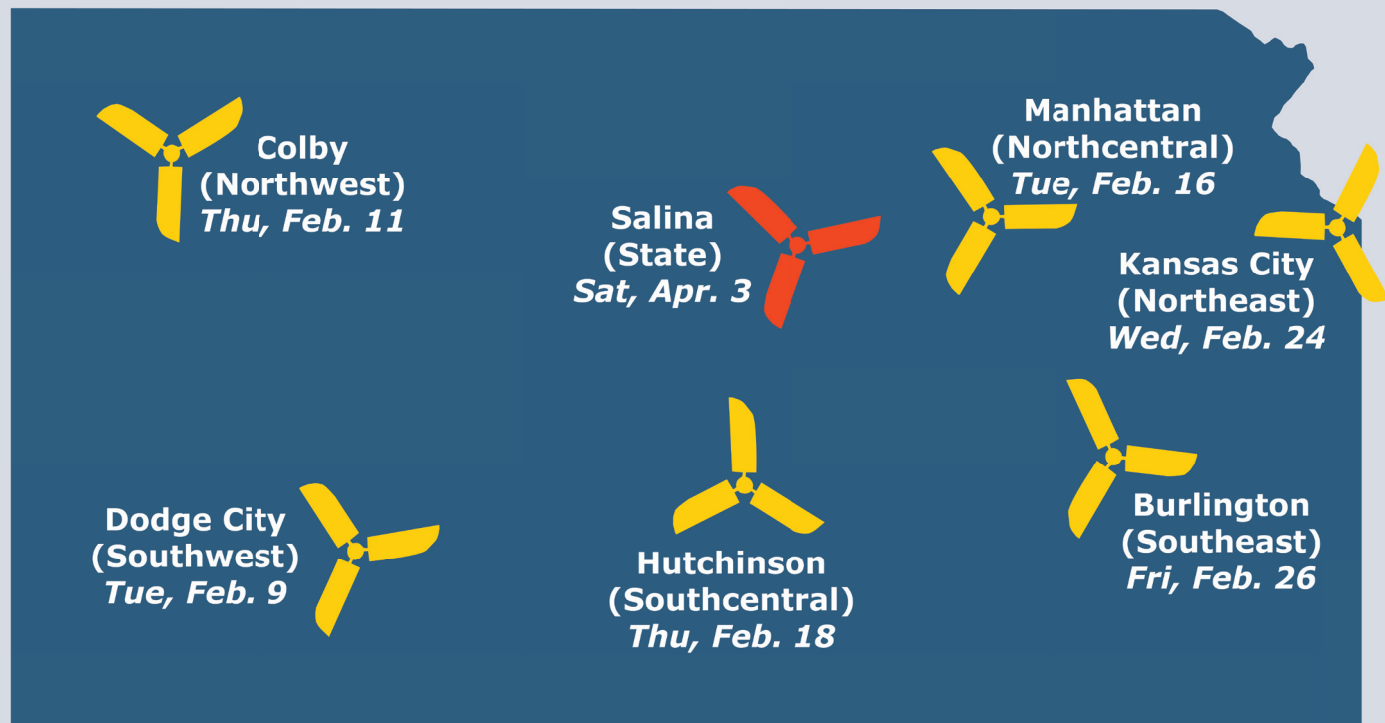


ENERGY EDUCATION EVENT

from the Kansas Corporation Commission and K-State Engineering Extension.
Made possible by a grant from the U.S. Department of Energy. *Last revised 9/10/26.*



2027 Kansas KidWind Challenge Schedule



Each Challenge has three divisions: 4th-5th, 6th-8th, and 9th-12th grade. There is no cost to enter. Number of teams per school will be limited. See opposite page for details!

2026 sponsors and partners



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