Unit 5: Energy


Estimated Time for Completion- Approximately 30 minutes

Student Learning Objectives:

As a result of this lesson the student will…

- Research different alternative energies
- Determine which energy source will be the best choice

Directions: Access the commodities and products tab on the AgMRC website (http://www.agmrc.org). Click on the Commodities and Products, energy. Use information from the different sites to determine which alternative energies would work best for a 4,800 head swine unit.

Scenario:

A local farmer wants to build a new 4,800 head swine confinement. The farmer is concerned with the potential high costs of energy to run the building. Explore two sources of alternative energy that would help offset the cost of the electricity. For each energy source chosen, write a paragraph explaining how it would work for this facility. After you have researched the two, decide which would be best for this facility and why. Also, you need to identify one source of government funding, grants or tax benefits for the alternative energy sources you chose.

Recommendation:

Have students work in small groups and put their scenario into a business proposition where they present to the class. Then after the presentations, lead a class meeting where the class decides as one group what they would like to do in this scenario.