



Sisseton-Wahpeton College

Location: Sisseton, South Dakota

Architect: English and Smart Architects

The Situation:

Sisseton-Wahpeton College in Sisseton, SD received a green building initiative grant and looked for help examining the best possible action and design for the school. Emanuelson-Podas partnered with English and Smart Architects on the project. Together, a study was conducted to evaluate the feasibility and economics of each of the initiatives, to examine the scenarios, and provide the ultimate designs to maximize the results of the grant.

The [engineous*]:

EP analyzed a variety of technologies in their search for the best solution. The technologies studied include wind turbine electrical generation, geothermal heat pump HVAC systems, water conservation, lighting energy conservation and the expansion of electrical energy use. EP's study brought forth many solutions for the college. As a result the college decided to install two 65 kW remanufactured wind turbine electrical generators that provide a sustainable energy source for the college. To leverage the wind energy, electric heat was installed to replace the more expensive and less reliable propane heating system. EP taught the college a great deal about modern "green" design and helped them to maximize the benefit of the grant.

For more information on the Sisseton-Wahpeton College project please contact:

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