



Energy & Atmosphere

Nationwide & Ohio Farm Bureau 4-H Center



The Nationwide & Ohio Farm Bureau 4-H Center has many features that are helping to reduce energy costs and the negative impact on the environment. Most notably, a **geothermal heating and cooling system** serves as the primary method to heat and cool the facility. The system relies on the earth's constant temperature of 55 degrees at depths of 300 to 500 feet in the ground. This creates a lower need for traditional heating and cooling systems and conserves energy. Extensive **day lighting** in the building and the use of **task lighting** are both energy-efficient ways to reduce the necessity for traditional fluorescent lighting systems. Another facility feature is the **highly reflective roof material** which minimizes the absorption of heat into the building, causing systems to work less to cool the building. Finally, the facility employs a **monitoring system** to measure actual energy consumption.

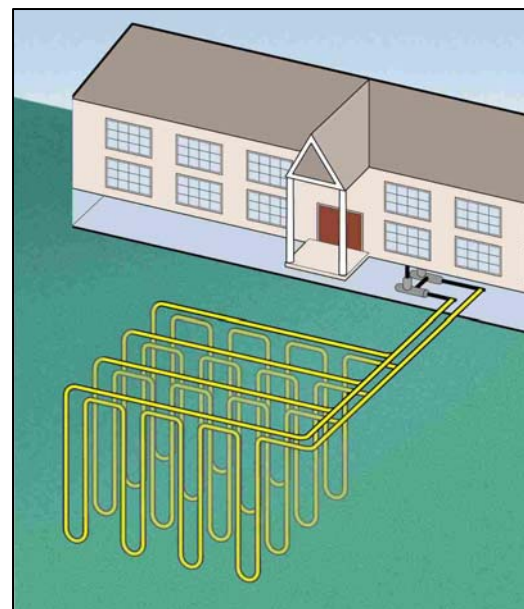


Diagram of Closed-Loop Geothermal Heating and Cooling System
Source: Geothermal Heat Pump Consortium
<http://www.geoexchange.org>

To learn more about the United States Green Building Council, please visit:
<http://www.usgbc.org>

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