

Wheelersburg Local School District
\$34 Million New K-12 School & Guaranteed Energy Project
Wheelersburg, Ohio
Completion Date: 2008

At 211,212 SF, this new \$34 million K-12 school features classrooms, lecture halls, gymnasium, art and music rooms. The technology designs include Smartboards, VoIP, security systems, CCTV, access control, and intrusion detection systems and a public address system.

Wheelersburg K-12 – Guaranteed Energy Project

Dynamix Energy Services conducted a detailed study of the Wheelersburg K-12 school building to determine the potential for energy savings. The building utility bills were analyzed and the building was compared against national benchmarks to determine potential savings. From the data collected, Dynamix Energy Services proposed a guaranteed energy savings project to the District. After receiving approval to proceed, Dynamix Energy Services completely reprogrammed the DDC controls system to optimize the energy consumption of the building.

The building has been operating in a reprogrammed state for approximately 16 months and has greatly surpassed the projected savings targets. The district's electricity consumption has been reduced by over 33%, and the gas consumption has been reduced by over 68%. The project has produced an annual savings of over \$138,900 in utility costs. To ensure that the savings are maintained, Dynamix Energy Services created an "Energy Dashboard" for the District to monitor their usage. Consumption is totalized on a daily basis and aggregated to a weekly and monthly level. This will allow the District to quickly respond to items impacting energy consumption and maintain efficient operation.

Dynamix Engineering's Role on the Project:

- Full-Service Engineering Including Mechanical, Electrical, Plumbing and Technology Engineering
- Construction Administration



Owner: Darin Porter, Wheelersburg Local Schools, (740) 574-2527