

DVL Helps Central Bucks School District Save 100,000 Kwh Of Electrical Energy



Central Bucks School District
Bucks County, Pennsylvania
20,000 Enrolments
2,000+ Employees

The Central Bucks School District (CBSD) is the third largest school district in Pennsylvania. The district covers the boroughs of Chalfont, Doylestown and New Britain and the townships of Buckingham, Doylestown, New Britain, Plumstead, Warrington and Warwick in Bucks County. CBSD consists of fifteen elementary schools, five middle schools and three high schools.

In 2012, CBSD ranked in the top ten of all districts in Pennsylvania with regards to student achievement measured by PSSA results. Total revenue for CBSD amounts to \$253,664,000, with \$39,204,000 coming from state sources, and total expenditures are \$239,469,000 (www.teachersalaryinfo.com/pennsylvania/teacher-salary-in-central-bucks-school-district/).

SUMMARY

DVL Group made a company commitment to help 12 data centers in the Philadelphia area to save at least 1,000,000 watts of electrical power.

The top three winners received the Less Watts Award and a donation of \$1,000 to the Delaware Valley Green Building Council (DVGBC) written in their name. The purpose of the Less Watts competition was to promote data center efficiency and sustainability, as well as highlight the attention data center operators have given to saving energy.

The winner in the first category, with data centers less than 1,000 sq. ft., was Central Bucks School District.





GROUP, INC.

CHALLENGE

The large cooling units in CBSD's network operations center, a room with a couple hundred servers and other high-tech equipment, were frequently failing and breaking down. The data center's management team was suffering in a state of "constant repair," which severely compromised productivity and cost effectiveness for the school district's network operations.

SOLUTION

DVL was already doing service for the uninterruptable power supply (UPS) systems for that CBSD's network operations center. The center's management team requested that DVL simply replace the defective cooling units, but DVL had a more sustainable solution in mind: row-based cooling.

RESULTS

When the units were replaced and enhanced with row-based cooling solutions, the network center experienced significant improvement in performance and efficiency. The data center's team was finally able to escape that constant repair mode and begin working toward more sustainable, cost-effective productivity.

CBSD's energy savings were calculated as **100,000 kilowatt hours (Kwh) per year**. With this reduction, the school district expects to save at least **\$23,000 per year**.

FEEDBACK

Central Bucks School District had been improving the sustainability of their network center for several years, but they report owing this recent and critical boost in success to DVL.

"The team at DVL recommended the new cooling solution that was much more energy efficient than simply replacing our units," says Scott Kennedy. "This forced us to step outside of our comfort zone, which was necessary to make a real difference for our data center.

"DVL was fantastic to work with and the project went really smoothly. Their team even came back to our location afterward – not only to ensure everything was functioning properly, but also to train our staff on monitoring units to prevent future issues."

About DVL

DVL, Inc. is the exclusive representative for Emerson Network Power in Eastern Pennsylvania, Southern New Jersey and Northern Delaware. Our subsidiary Total Support Systems, based in Harrisburg, Pennsylvania covers Central Pennsylvania. DVL is strategically focused on mission critical air, power, and IT product and service solutions from the data center to the edge of the network. Please visit www.dvlnet.com for more information.