



Central Bucks School District

Comverge Demand Response Solutions saves hundreds of thousands in spending through smart development of curtailment strategies for the third largest school district in Pennsylvania.

Background

The Central Bucks School District (Central Bucks) is located in the Commonwealth of Pennsylvania, and is the third largest school district in Pennsylvania. A top-ranking district in the state for grades K-12, Central Bucks umbrellas fifteen elementary schools, five middle schools and three high schools. With a student enrollment of over 20,000 students, Central Bucks recognized the need to earn new income from participation in demand response programs while developing curtailment strategies which could also improve peak shaving and energy management goals.

“The Central Bucks School District is pleased with the professionalism and support of the Comverge team with developing our curtailment plan. The Comverge staff reviewed our existing systems and assisted us in verifying an achievable curtailment load. The successful results of our curtailment efforts and the revenue which we realize are due to our Comverge relationship.”

— Scott Kennedy, Director of Operations,
Central Bucks School District

“The Central Bucks School District exemplifies the success that can be realized at K-12 locations. They have stepped forward to take advantage of revenue producing solutions which benefit their constituents.”

– George Hunt, Comverge Senior Vice President, Commercial Sales

Solution

- The Comverge Team assisted the district’s facilities management team in planning an achievable curtailment plan strategy which would permit the district to enroll a 5 MW commitment for PJM’s demand response summer program.
- During the summer of 2010, PJM called an emergency curtailment event in July. Central Bucks was able to invoke their curtailment plan and in doing so remain fully compliant under the obligations of the Summer Capacity market demand response program for which Central Bucks was enrolled.

Central Bucks Strategies

Comverge developed a curtailment plan with input and cooperation of Central Bucks operations and facilities management team which was agreed upon by both Comverge

and the district. The first year goal recognized that if successful, additional curtailment obligations may be possible for subsequent years to permit even greater income to be generated from demand response participation.

Results

- By selecting Comverge as its Curtailment Service Provider, and by working with Comverge to consider an approved demand response participation for the district, 5 MWs of curtailment commitment was registered within multiple PJM programs.
- Central Bucks was fully compliant and able to fulfill its curtailment obligations under the program. As a result, the district earned in excess of \$200,000 in one year of the program and will approach approximately \$500,000 in revenue in year two.

- Because of the first year success, Central Bucks increased its curtailment commitment during its second year of participation and is now considering participation in several other demand response programs managed by Comverge on behalf of PJM.
- Through the continued participation in multiple demand response programs over the next four years, Central Bucks expects a new income opportunity in excess of \$1.0M by working with Comverge.

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