



Customer Success Story

Demand Reduction & Utility Cost Savings Salt Lake Community College, Salt Lake City, Utah

Overview:

After the implementation of a full scale energy management system at the college, Summa Energy Solutions continued to monitor the energy consumption of the college through the VITALITY platform. It quickly became apparent to Summa as well as to the college energy manager that they had pre-existing peak demand issues.

Problem:

VITALITY was able to demonstrate that the college's "resting" KW peak demand was around 750 KW; yet the college was being billed at a peak demand of over 1,000 KW. Summa continued to monitor the KW and quickly noticed that the peak demand was happening consistently every night at a very specific time.

Findings:

After the college was unsuccessful at identifying the cause of the peak demand themselves, they hired Summa Energy Solutions to help identify the cause of the peak KW. By watching each sub meter carefully, Summa was able to identify that the KW was coming from the main distribution panel of the campus, before hitting any of the sub-panels. This narrowed the search, and from there it was discovered that the installers of a city owned water tower had inadvertently connected their pumps to the load side of the college's utility meter.

Project Details

Turn-Key Install of Utility Meters. Identification of Peak Demand Reduction

Energy Savings Found

200 KW Peak Demand Optimized Utility Rate Schedule Change

Dollar Savings Found \$25,000/yr in KW

\$20,000 in Utility Fees.





SOLUTION:

Using information provided through the Vitality platform, Summa Energy Solutions was able to identify the problem as well as offer a solution to the college for reducing their peak demand. The implementation of this solution would provide a net decrease of an estimated 200 kw/month. By reducing the peak demand to less than 1,000 kw/month, the college would also be able to change their utility rate schedule to a more favorable rate schedule.

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