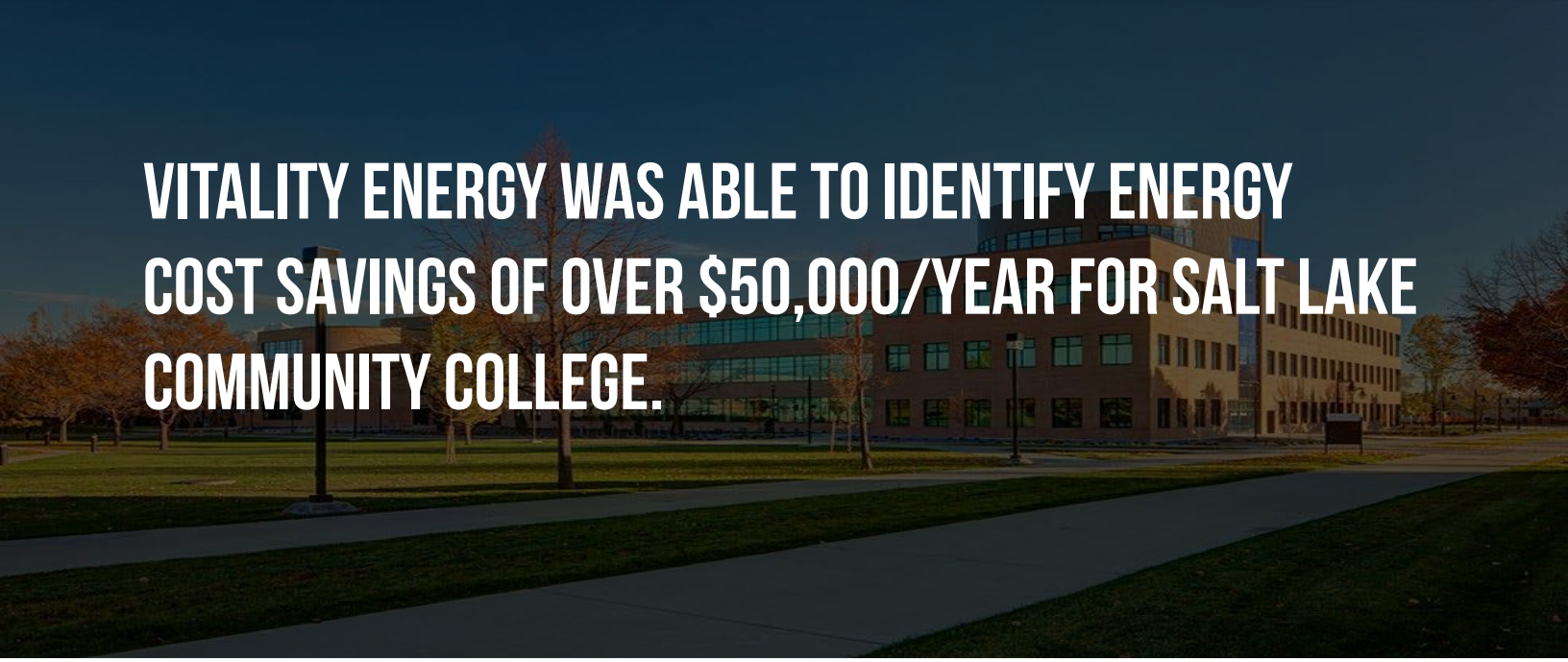
VITALITY™ ENERGY

+

Salt Lake Community College

A CASE STUDY



VITALITY ENERGY WAS ABLE TO IDENTIFY ENERGY COST SAVINGS OF OVER $50,000/YEAR FOR SALT LAKE COMMUNITY COLLEGE.

About SLCC:

Salt Lake Community College is Utah's largest college with the most diverse student body. It serves more than 60,000 students on 10 campuses and with online classes. All ages. Many interests. Flexible scheduling. With an exceptional range of academic and career-oriented options.

Project Details:

- Engineering & Design
- Programming & Commissioning
- Identify Cause of Peak Demand
- Design Build Metering

Overview:

After the implementation of a full scale energy management system at the college, Vitality Energy continued to monitor the energy consumption of the college through the Vitality platform. It quickly became apparent to Vitality 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" Kilowatt peak demand was around 750 kw; yet the college was being billed at a peak demand of over 1,000 kw. Vitality 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 Vitality Energy to help identify the cause of the peak kw. By watching each sub meter carefully, Vitality 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.

VITALITY IS ONE OF THE EASIEST VENDORS THAT WE HAVE WORKED WITH. THEY JUST GET THINGS DONE.

DANIEL HANSEN
DIRECTOR OF CONTROLS

Solution:

Using information provided through the Vitality platform, Vitality Energy 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.

200KW in Peak Demand
+
Optimized Utility Rate Schedule

ENERGY SAVINGS FOUND

$25,000 /year in KW
+
$20,000 in Utility Fees.

DOLLAR SAVINGS FOUND

VITALITY™ + Salt Lake Community College

20
BUILDINGS

139
METERS

It's time to gain control of your energy metering.
It's time for Vitality Energy.
Let Vitality give you all of your buidling's vital information.

LEARN MORE TODAY!

Schedule a time to speak with a Vitality Energy expert to see how we can help you with your energy analytic needs.

Contact us:
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