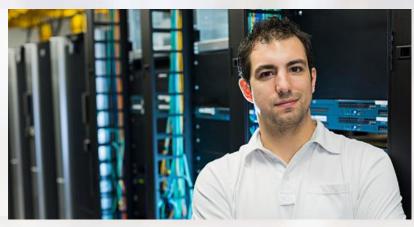
Empowering Data Center Energy Efficiency

Graphet Data Mining collaborated effectively with the facilities, operations and corporate teams to drive efficiency improvements at this large data center site. Customer trended data and supplementary monitoring by Graphet helped to substantiate understanding of performance & opportunities. This resulted in achieving consensus on implementing conservation opportunities and without adversely impacting on critical operations.

Overview of Systems & Opportunities

- Data Center cooling optimization
- Office Space conditioning
- · Lighting improvements
- Multiple buildings (total area 1.2 million sq ft) comparative analysis

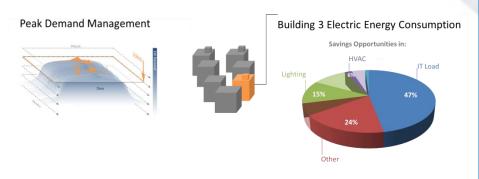


About

Graphet Data Mining facilitated process efficiency and energy management for a multinational data center and technology corporation in the western region. Graphet Data Mining's expertise was applied to reducing wasteful energy usage and create better energy management practices to achieve sustainable conservation and improve profit margins.

Graphet's data mining & analysis services created an effective medium for a collaborative decision making between facilities and operations teams. As a result, many opportunities were included in the energy plan, including the low payback options. Using insights from data collected at the site, it was possible to develop a viable business case for implementation approval.

Total energy usage totaled 12,356,538 kWh in the baseline year. Graphet's modeling and analysis toolset was used for accurate targeting and tracking of savings opportunities. Energy consumption was monitored in each building on the multi-site campus with savings opportunities identified within systems including HVAC, chilled water, lighting, condenser water, and hospitality services.



By investing in the high priority savings opportunities, energy costs could be reduced by almost 7% yielding simple payback after rebates in less than 2 years.

Process for Success »

setting a timeline for installation, and detailing customized rebates, bonuses, and

Energy Savings Snapshot



Payback:

High Priority Projects:

1.9 years

Mid Priority Projects:

0.4 years

Low Priority Projects:

26.2 years

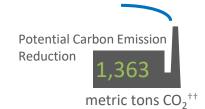
• Rebates:

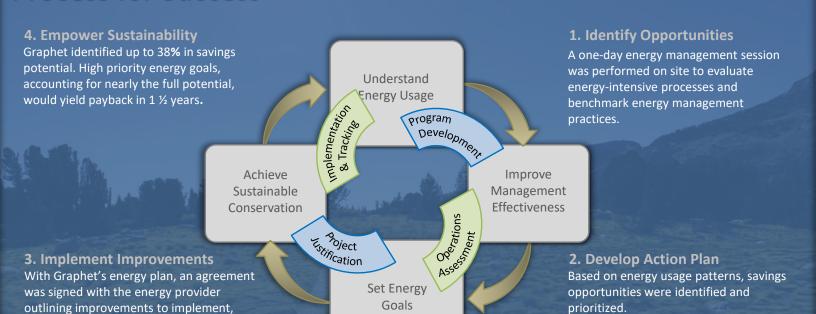
Maximum rebates available across all projects:

\$568,593

• Potential Energy Reduction:

1,977,046 kWh





support.