

CENTURYLINK

Data Center Energy Efficiency

Summary

Willdan engaged and successfully implemented an energy efficiency savings project with CenturyLink Technology Solutions, the third largest telecommunications company in the U.S. The project Willdan helped identify is both multi-phase and multi-year and involves efforts to upgrade and modernize the majority of CenturyLink's Chicago CH2 facility's mechanical equipment.

Highlighted Result: In partnering with Willdan, CenturyLink was able to select effective energy efficiency measures that optimize the interactive effects of those measures and save 7.4 GWh annually.

Goals and Challenges

- 24-hours-a-day, 7-days-a-week operations
- Overcooling due to risk of overheating
- Completing construction work while facilities are fully operational

Solutions and Outcomes

In order to encourage projects such as this, the local utility, ComEd, offered an energy efficiency savings program very similar to APS's Solutions for Business.

- Willdan coordinated with ComEd and handheld CenturyLink throughout the entire incentive process, from customer education and the application pre-approvals to the installation and follow-up measurement and verification process.
- Willdan also coordinated with ComEd's general administrative contractor, DNV GL, to track the project from start to finish, ensuring that deadlines were met, documentation was in order, payment occurred swiftly and smoothly, and the customers was guided throughout the entire process.
- As part of the coordination with DNV GL, Willdan developed interaction guidelines and a process flow chart to maximize efficiency for both organizations while also ensuring that nothing would fall through the cracks.

Highlighted Result: The direct result of the partnership was the award of the largest incentive rebate to a ComEd customer to date in the form of a \$544,042 check.

Incentive Check to Client:

 \$544,042

Willdan has chosen CenturyLink for its data center case study because it contains all of the pieces of a challenging and successful energy efficiency project. From the initial outreach and winning the competitive process to providing technical assistance and assisting the customer throughout the entire incentive and implementation processes, Willdan persevered on behalf of CenturyLink and secured the savings for the local utility, ComEd.

Featured Solutions

- Energy Efficiency
- Engineering Analysis
- Inspections and Compliance
- Financing and Revenue Optimization