



# Energy Savings Through Network Equipment Consolidation

**When a large national telecommunications provider needed to minimize energy usage while optimizing telecommunications equipment performance across the Midwest, they turned to Franklin Energy to achieve results.**

**70 GWh**  
LIFETIME ENERGY SAVINGS



**\$6,260,000**  
LIFETIME COST SAVINGS



**\$750,000**  
ANNUAL PAID INCENTIVE

## THE STORY

This large national telecommunications company manages an organization of mission-critical facilities that house and power equipment to make the company's network and communication systems possible. In order to achieve peak performance, consistency, and reliability, they knew it was vital to lessen the load on their systems.

## THE GOAL

The telecommunications provider wanted to explore ways to incorporate energy efficiency into the optimization and migration of telecommunications systems, while improving facility operations.

## THE SOLUTION AND RESULTS

Franklin Energy's team of experts performed comprehensive energy assessments and facility audits to identify opportunities for energy improvements. The customer's underutilization of outdated switch-related equipment provided the opportunity to increase efficiency and reliability of telecommunications systems through network traffic consolidation, the decommissioning of unused equipment, and updated technologies. Through Switch Peripheral Equipment Consolidation (SPEC) and network combing projects across Illinois and Michigan. The team selected project sites, created business cases and secured pre-approval qualification that allowed the customer to receive incentives. These operational savings measures resulted in immediate payback without impacting consistency or downtime in the process. In addition, switch equipment replacements significantly enhanced the quality and flexibility of the telecommunications services offered by the provider.

## ABOUT THE PROGRAM

The unique telecommunications optimization programs designed and implemented by Franklin Energy leverage utility financial incentives on a variety of energy efficiency measures, which in some programs can cover 100% of project costs. Our expert energy advisors provide free recommendations for energy-saving improvements, empowering your customers to make informed decisions to best support their needs.

