

Wireline Switch Center

Fort Worth, TX
Central Plant Upgrade



Project Summary

This project consisted of mechanical and electrical upgrades on the customer's second busiest network switch. In order to maintain the customer's chilled water and cooling system, extensive chilled water piping and 4 temporary chillers were connected to the building system. This was done in order to install and bring online a new chiller and cooling tower, while maintaining network integrity. In addition to this work, the central plant was re-roofed while live and a new louvered penthouse for generator air intake was set. Card access, CCTV, and Building Automation Systems were also upgraded.

List of Installed Equipment

- (1) 900 Ton Water Cooled Centrifugal Chiller
- (1) 2700 GPM Cooling Tower
- (1) 15,000 Gal Emergency Water Storage Tank
- (3) 1200 Amp Temporary Tapboxes
- (3) 2100 GPM CHW Pumps
- (2) 2700 GPM CW Pumps
- (1) 212,000 CFM Louvered Penthouse
- (4) Dolphin Water Treatment Systems
- (216) BAS and Security System Points



Freezing 16" Chilled Water line for Valve



Temporary Chillers Carrying Load During Central Plant Modifications



Installation of 900 Ton Chiller



New Cooling Tower Installation



Genset Air Intake Louvered Penthouse



New Chilled Water Pump installed