



The objective of this case study was to determine what our client could do using the building automation system to reduce electrical demand while running on generator power in preparation for a local power outage. Tri-M performed a remote analysis of the current operation of the facility and suggested four Energy Conservation Measures (ECMs) that could help reach the customer's energy goal.

1. Disable Dehumidification Mode
2. Reduce non-essential fan VFDs to minimum speed
3. Set back cooling setpoints to 76°F
4. Lock out Electric Resistive Heating

The above ECMs were implemented during a test period of 3 hours. During testing, it was discovered that the nighttime setback routine was improperly sequenced and causing excess

Disable Dehumidification Mode

Disabling Dehumidification mode allowed the chiller to offload



