



Saving Money Is No Game at Giants Stadium

Giants Stadium, at the Meadowlands sports complex, stays busy during a season that runs from April through December. The stadium hosts the National Football League's New York Giants and New York Jets, New York MetroStars professional soccer, concerts, marching band competitions and other community events, many held during peak hours.



Concessionaires at Giants Stadium began adding additional electrical equipment, although the electricity cost formula for concessions and suites remained unchanged. It was apparent the stadium was losing out on reimbursable electricity usage. The stadium's power system had four major needs:

- Submeter for accurate billing to concessionaires (40) and luxury suites (72)
- Monitor quality of power and harmonics, to avoid disruptions;
- Estimate future usage and loading; Centralize power management to monitor and report both real-time events and historical usage data.

When Steve Collins, director of stadium operations, determined that money for reimbursable electrical usage was being lost, he called the local Square D distributor to find out what solutions might be available. The distributor called Rich Hepp from the POWERLOGIC operation of Square D, and together they visited the customer to find out how they could help.

At the customer site, they learned that while the need to recover revenue was urgent, power quality was also a major issue. The stadium managers were also interested in logging data and monitoring the status of other equipment through I/O. This led to the selection of the CM-2350 as the meter of choice.

Rich Hepp surveyed the existing gear, locating feeds to concession stands and luxury suites. Then he prepared a detailed bill of material that included all the necessary equipment -- meters, current transformers, fuse blocks, enclosures, din rail and shorting terminal blocks.

The next step involved meeting with the installing electrical contractor to study wiring diagrams and connections. Hepp visited the stadium several times to coordinate the Square D solution. Hepp also coordinated the commissioning and startup of the system communications, software, graphics, and billing applications by factory engineers.

The Square D POWERLOGIC System helped to:

- Capture reimbursable electricity usage by concessions and suites. Payback on the system from this alone will be a maximum of two years.
- Reduce demand by tracking in real time and rescheduling less time-sensitive activities for non-peak hours.
- Troubleshooting problems faster. "In the case of a power problem during Monday Night Football, having a system like this is the difference between a major embarrassment and a little blip. If there was ever a prime candidate for POWERLOGIC, it was us." Monitors and reports water temperature, oil pressure for other

stadium equipment, including HVAC air handlers and chillers. "It logs and stores data that normally took an electrician all day to collect and read."