

# Just the Facts

WYNN HOSPITAL

Each week, "Just the Facts" provides information about a key aspect of the Wynn Hospital being built by Mohawk Valley Health System (MVHS). It is designed to keep our medical staff, employees and volunteers updated and to share with family, friends and neighbors so we keep our community informed about how we're transforming healthcare in our region.



## TOPIC FOR TUESDAY, MAY 24, 2022:

### *Is equipment for the Wynn Hospital tested once its put in place?*

Yes and in fact, the Wynn Hospital reached another milestone last week when the paralleling switchgear passed its standard Factory Acceptance Testing. The testing requires the mechanical and electrical systems (MES), cabling, cooling, power and fire systems to be thoroughly checked prior to utilization. Factory Acceptance Testing significantly reduces risk and ensures that internal equipment is fully operational.

#### What is Paralleling switchgear (PSG)?

PSG is a mixture of protection, control, metering, and switching elements that act as an integrated system to control power distribution for various systems.

PSG systems may be legally required for many different applications:

- Standby systems
- Emergency systems
- Critical operations power systems
- Business-critical systems

#### What Does It Do?

PSG can serve numerous functions in a variety of situations and is beneficial in many scenarios with advantages such as improved reliability and enhanced performance. Here are its primary functions:

- Protection – ensures safety by supporting the need for backup power
- Metering – monitoring power through individual meters for precise load management
- Control – helps regulate the distribution of power for varying systems
- Acting as switching elements

#### How Does PSG Work?

In paralleling electric systems, paralleling switchgear plays an essential role in completing several tasks. Each component works in tandem with the other for protection, metering, control and acting as switching elements. Different modes support different scenarios, including standard modes such as:

- Island, manual
- No-load testing
- On-load testing
- System testing

