

GENERAC®

INDUSTRIAL POWER

TERRE HAUTE REGIONAL HOSPITAL

Terre Haute, IN

CASE STUDY

APPLICATION:

Healthcare

SYSTEM CONFIGURATION:

2,500 kW, 480Y/277V

MODELS:

2 x 1250 kW
Diesel Engines



Serving the community better requires the power to get it done.

Application Background

As the only 278-bed, Level II Trauma Center in a 75-mile radius, Terre Haute Regional Hospital provides quality care to the entire Wabash Valley community. As a legacy member of the community for some 135 years, Regional Hospital is continually reinvesting, upgrading and renovating to serve its patient base. When the time came to evaluate additional power capacity needs and emergency backup redundancy, Regional called on HAFER to conduct an engineering study and devise a master plan for the facility. HAFER developed a Design/Bid/Build solution based on traditional paralleling. They solicited the expertise of EVAPAR, a Generac Industrial distributor, to evaluate backup power options and review Generac equipment solutions.

Solution

HAFER and EVAPAR recommended two Generac 1250 kW diesel-powered units. This traditional paralleling solution utilizes transfer switches and third-party generator paralleling switchgear, providing emergency power redundancy as well. In addition to a new emergency power distribution system, a new normal power electrical service and distribution system was included in this project. Redundancy was designed into both the new normal power and emergency power

distribution systems. This enables Regional Hospital to lose power, and still run critical loads—whether during an unplanned power outage or planned equipment maintenance. Other major improvements include providing generator back-up power to the facility air conditioning system as part of the generator solution, and the ability to tie-in mobile generators if needed, to both the normal and emergency power distribution systems. The HAFER/EVAPAR installation plan ensured Regional maintained complete operation while the new gen sets were installed, even through nearly 50 utility power interruptions that were necessary for transitioning to the new Generac backup power system. Regional Hospital is poised for future growth with a backup power system that will accommodate the future facility needs. HAFER, EVAPAR and Generac are proud to have collaborated with Regional Hospital in their mission to provide uninterrupted, quality care at all times for the members of their community.



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Generac Power Systems, Inc.
S45 W29290 Hwy. 59
Waukesha, WI 53189

ASKGNRC@generac.com
1-888-GENERAC
(1-888-436-3722)

GeneracIP.com