



CE Power Solutions

Solutions Profile # 8 – Transformer Failure Repair and Rental

Project Scope:

During a major spring outage, the transformer used to power the generating facility was deemed to be not fit for service. Since the outage had begun and the set-down power was needed, a temporary transformer replacement was needed. While the temporary transformer is being used, the original transformer would be repaired and refurbished.

Client:

IOU Generation Facility

Project Challenge:

After identifying the “not fit for service” transformer, find a temporary replacement while repairing existing transformer. The placement of the transformer in the generation facility had less than 8 feet of height clearance and was required to attach itself to the switchgear lineup near a high traffic area. The transformer was quite rare because it is a substation class OA/FAA step-down from 4180V to 480V

Service Team:

Client, CE Power Service, CE Power ‘s “Power Partners”

Project Profile:

An immediate call for a rental was the critical path of this emergency project. The transformer is rated at 1500kVA and the footprint was very small. Using CE Power’s “Power Partners” and knowledge of the marketplace, a suitable rental transformer rated at 2000kVA was acquired.

Once the rental was on-site, the CE Power Service team spent no time in pulling out the old transformer and replacing it with the rental. This exchange took only 12 hours. Support and buss required reconfiguration and sheet metal work was needed to enclose and attach the transformer to the switchgear lineup.

The original transformer was sent to a repair shop to be rewound and refurbished in 12 weeks. While this was being accomplished, the rental transformer was supplying power to the customer and sub-contractors during the Spring outage.

Quality Initiatives:

The ability to pull “not fit for service” equipment and get the plant back in operation quickly.

