

Upgrade and Core & Radiator Replacement of Shunt Reactor

1948 Westinghouse 15.4 MVAR 13.8Y Shunt Reactor



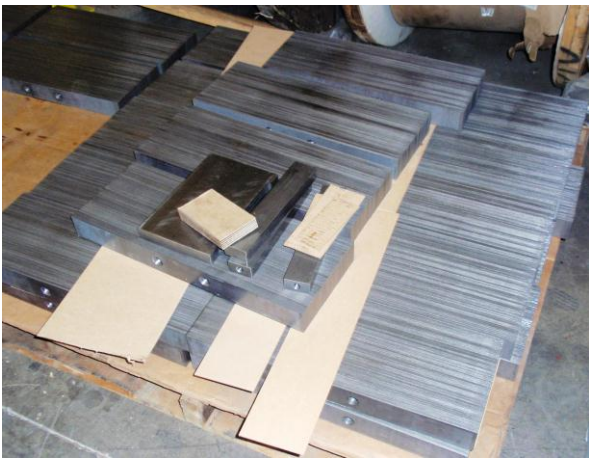


Original Reactor Core with Gaps



**Post Redesign & Remanufacture: 20 MVAR 13.8Y
Shunt Reactor**

30% MVAR Upgrade, New Core & Coils, (10) New Radiators & Flanges

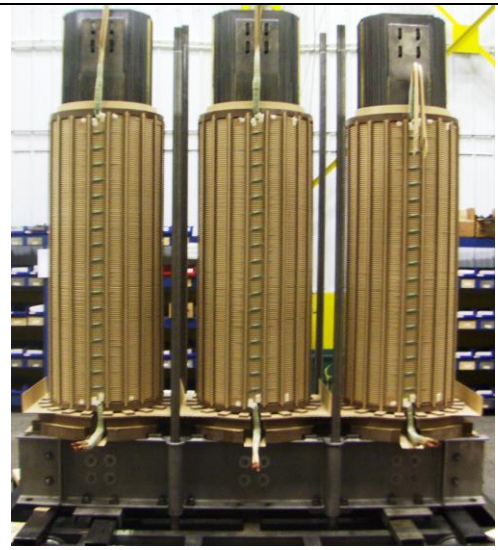


221,000 Core Steel Sheets with 99,000 Holes





New Assembled Core with Gaps



New Core with Windings Landed



Fully Assembled New Core & Coils



(10) New Radiators with New Headers for Parallel Mounting