



2 x 85 MW EACH GAS TURBINE GENERATOR SETS

Siemens/Westinghouse 501B3 gas fired gas turbine generator sets
Model 501B3 EconoPac, water injected
Rating 85,000 kw
Fuel Natural gas/Dual fuel
Speed 3600 rpm
Starting Motor TECO/West. 1800 hp, 2300/4000 V with Armguard motor starter
Emission control Water injected
Generator 94,444 kva, 13800 v, 0.9 pf, amps 3951 , 3600 rpm, exciter volts 250 v, hydrogen cooled
Controls Honeywell
Auxiliary Transformer Westinghouse 10,000 kva, 13800 v -4160 V
Main transformer GE 212,000 kva, 230 kv Grdy-13.8/13.8 kv
History
Started up 1978 shutdown 2021
Life time hours 88,000/84,000 hours, lift time starts 3,140/3,100
Last overhaul 2013 and unit has estimated 250 hours since then.
Scope of supply
Gas turbine Foundation mount
Gas turbine enclosure
Gas turbine piping near unit
Starting motor package
Lube oil skid
Air let and ducting
Exhaust at turbine flange (No stack , HRSG connection)
Generator with exciter
Generator bus duct
Motor starters
Generator step up transformer 230 kv
Auxiliary transformer 4160 v
Hydrogen system



