

GE MODEL PG7000 GAS TURBINE GENERATOR SET

One (1) General Electric Frame 7EA gas turbine generator set consist of following

- GE model 7A1PEA38-1 gas turbine, Dual fuel, base rated 81,730 KW, Peak rated 89,490 KW, with inlet air cooled, heat rate at Iso 10,480 btu/kwh, , 3600 rpm, CCW rotation
- GE 800 hp motor starter, model 8213825402, 3570 rpm
- Philadelphia Accessory gear box with atomizing air compressor
- Side exhaust
- Liquid fuel pump and supply system
- GE TEWAC generator rated 104,000 kva, Peak 106,700 kva, 13800 v, 3 phase, 60 hz, pf: 0.9, , 4351 amps, 375 v exciter volts , field amps 629. 3600 rpm. Frame 7A6
- Turbine control upgraded to ABB UPTO22
- MCC room, control room.
- Lube oil cooler Air cooled heat exchanger
- Water injection skid
- Exhaust duct with exhaust stack
- Air inlet filter with inlet fogging system
- ABB type S6E-)/D511-A1250, AVR
- Enclosure outdoor housed

History:

Unit built 1990, Last run 2022

Total hours 15,750 Total starts 2,719

Last major inspection 2003, HGP inspection 2009, Generator rewind May 2019 with AVR upgrade

Still installed in place



