

The equipment is basically that which is contained in the enclosed picture which might be useful to you to see visually and match with the following information:

The plant was built in two stages; one about 1950 with 4 generators with corresponding attached turbines, each generator being 100 MW. It was added to in about 1962 with 4 new doubles or sets such that an added 800 MW came on board, being 4 twins, or doubles - each being two time 100MW with a cross compound turbine attached.

More definitively, it reads as follows:

Four - (4) - Condensing Steam Turbine Generator Combinations Units # 1 to 4, Haing 80,000 KW Economic Rating and 100,000 KW overload rating, 1800 RPM Operating Speed, 850 PSI at 900 F Steam Entry Conditions, 1.5" HG exit, two cylinder, Tandem compound, High Pressure Impulse Reation type design, twin exhaust to condenser or feed water heating, hydraulic governors alternating current generator units being of 100,000 KVA Capacity, 0.8 power factor, 1800 rpm, 13,800 volt, 3 phase, 60 HZ, 0.5 psi hysrogen cooled, 300 kilowatt exciter motor generator set, pilot exciter of 1.56 kilowatt capacity, generator voltage control reheostat, control panels. Manufactured in years 1950 to 1953, by C. A. Parsons & Company Ltd.

and

Four - (4) - Condensing Extraction Turbine Generator Units # 5, 6, 7, 8 - 200,000 KW Capacity, Cross Compound and double flow design, 1800 psi gage at 1000F entry steam (high pressure), 1000F and 425psi gage reheat system (intermediate pressure , and 1.5" HG exhaust pressure from low pressure end 1-117647KVA, 3600 rpm, 3 phase, 60 cycle generator with 0.85 power factor for operation on the HP/IP Turbine, 1-117647KV, 1800 rpm, 3 phase, 60 cycle generator with 0.85 power factor for operation on the IP/LP Turbine. Manufactured 1961 by C. A. Parsons & Company Ltd.

Now basically this is what is for sale. By happenstance there is additional equipment in the generator and turbine room that might under some circumstances have some value, but it would have to be a case of determining its usefulness on site - things like condensers and exciter motors.

For more detailed assessment it would be necessary for your clients to attend on site and review the actual machinery insitu and review our extensive 'War Room' which contains what we believe is a complete record of the 'outages' for each machine.

About The Power Plant

When it was built about 1950, the Hearn plant was the pride of _____, being state of the art. Strategically located on the _____ waterfront, it produced electricity from 1951 to 1983, and at one time supplied about 10% of _____'s power.

The station's eight generating units are capable of producing a total 1200 megawatts of electricity. Originally coal fired the boilers, which no longer exist as they were removed, were converted to natural gas in the 1970s.

The plant was 'placed in reserve', or taken off production, in 1983 for reasons related to oversupply of electricity, particularly with the advent of nuclear power that was less costly than fossil fueled power. It was always intended that the plant would come back into service which is why it was placed in reserve and maintained well by _____, considered pre-eminent amongst power producers in the world for their standard of maintenance.