

Marlow Development Proposal

Operational Maintenance

SEPEL will remote monitor every aspect of turbines performance and operating parameters, ensuring continuity of operation and avoidance of excessive wear or failure. The turbines PLC made by [REDACTED], will have the ability to monitor all important parameters, such as gearbox oil temperature, turbine RPM, head and tail water levels, generator temperature, frequency, voltage etc.

If any parameters are exceeded the PLC programming will both alert SEPEL's operation centre and take action to remedy the fault or shut the turbine/turbines down.

Additionally, SEPEL will have the ability to fully remote control the turbines along with video observation abilities and have full read access to all the PLC sensor inputs.

Meter reading
Internet Connection
Oil Changes
Sensor Calibration (yr 1)
Sensor Calibration (yr 2)
Sensor Calibration (ongoing)
G59 Safety Testing
General Electrical Systems Check
General Inspection / Grate cleaning
EA Lease
Management Costs
Administration Costs
Misc Costs (for unknowns)
Generator Replacement
Gearbox - Bearing and Seals Replacement
Screw - Bearing and Seal Replacement
Cost of Sales (£[REDACTED]/MW-h or £[REDACTED] max per billing period) (e-power pricing)
Insurance - loss/damage/business interruption



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Hydropower-Anaerobic Digestion-Pyrolysis-Gasification