

TURBINE MAINTENANCE SCHEDULE

The following schedule has been compiled to avoid premature turbine failure. Turbine life will be reduced if situated in coastal areas or on sites that exhibit high turbulence.

The turbine should always remain under load. Check that the whole electrical system is functioning correctly as a free spinning turbine will burn out its generator very quickly.

Post Installation Inspection

We recommend this be carried out one month after installation of the turbine. This inspection is to verify that the turbine is functioning correctly and not making any abnormal noises or vibrations.

Routine Inspection

We recommend this be carried out every six months.

The inspection consists of:

- The turbine needs to be checked over for any loose bolts or fixings.
- The turbine blades need to be checked for any damage (normally leading edge – can cause unbalanced blades and lead to premature bearing failure).
- Any wear in slew and generator bearings, evident by excessive play.
- The turbines electrical connections need to be checked over for tightness, any corrosion, and that cable installation is intact. Poor connections will cause resistance and heat.

While the turbine has been stopped for its inspection it would be prudent to inspect the tower including all bolts/fasteners, ground anchors/foundations and guy wires (if applicable).

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