

Governor Predictive Maintenance Program

Features

- Enhances governor performance through annual unit, plant and fleet inspections
- Performed by knowledgeable, experienced hydro experts
- Identifies and prioritizes recommended, proactive maintenance tasks to improve availability, compliance and reliability



Overview

Emerson has applied its extensive governor control and operational experience to develop a custom predictive maintenance program that identifies high value, high return hydro governor solutions to improve reliability and availability. Periodic inspection and testing of governor and oil pumping systems helps to proactively identify and mitigate potential issues before they escalate into costly downtime.

The program brings together our industry experts and your plant specialists to collaboratively define a cost-effective, long-term predictive maintenance program that replaces and improves upon the time-based overhaul approach you may have implemented decades ago. Using applicable elements from our broad portfolio of hydro governor solutions including spare parts and field and factory services, as well as our industry-leading technical support and training capabilities, we can tailor a long-term governor support plan that suits your unique governor types and plant operating conditions.

We will archive and monitor the performance of your governors and any overhaul or repair work performed on them, along with creating archives for your governor manuals, hydraulic diagrams, and electrical schematics so we can provide the most accurate remote support whenever you need it.

The result is a long-term strategy tailored to meet your budget, your specific governor(s), your plant(s) and your entire hydro fleet. A detailed report will be prepared on an annual basis to assist you in planning and budgeting for prioritized, recommended solutions that use the right mix of resources, products and services to keep your governors reliably and efficiently operating for as long as you wish to keep them in service.

Program Components

Our experts are well-versed in the maintenance and operation of every type of hydro governor, regardless of manufacturer or model. The program begins with a thorough inspection and assessment of governor performance. The findings and recommendations are documented in a customized report that describes and prioritizes each unit's current or future maintenance needs.

The result is a tailored, cost-effective maintenance guidance for optimizing governor performance without short-cutting necessary tuning and calibration activities.

Emerson's predictive governor maintenance program includes:

- Annual governor assessment trip (one day on site)
- Design review for each unit
- Failure mode analysis
- Availability analysis
- Governor outage and maintenance recommendations
- Cybersecurity assessment (digital governors only)
- Lifecycle analysis
- Spare parts inventory and readiness analysis
- Critical spare parts recommendations
- Documentation review, assessment and archiving
- Governor dashboard (for multiple units in a plant, or fleet-wide)
- One free seat at our annual Governor School training workshop (up to \$3,500 value)
- 10% discount on published field services and training rates

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