

Reliability-Centered Maintenance (RCM) for Transmission and Distribution Systems

With the ever-increasing equipment and maintenance costs, and the reductions in staff, utilities need to find ways to address these problems and at the same time preserve equipment reliability costs.

The **opX** Team's RCM approach utilizes the utility's existing maintenance practices to identify important system functions, critical equipment items, and the most likely causes of failures. The design or operational alternatives are also considered in the overall evaluation of the equipment failures.



opX's RCM approach concentrates on items that are considered critical for the reliable operation of the system's important functions. By determining the appropriate maintenance tasks and the correct maintenance intervals, the appropriate maintenance program can be implemented to reduce equipment failure and system outages.

Benefits

- **Significant Cost Reduction**
- **Improved Reliability**
- **Documented Maintenance Decisions**
- **Increased Service Life**
- **Improved Productivity of Resources**

The **opX** Team provides training, a needs assessment, and implementation support as the RCM Program is established. Technical guidance and a maintenance template for the routine tasks associated with the specific types of equipment will be developed, implemented, and documented.

A well-implemented RCM program starts with establishing Periodic Monitoring Technologies and performance indicators. Once these processes are in place they define the design of the system or component, its function, and its failure modes. From there it is then possible to establish the maintenance strategies, or 'Maintenance Basis', and that will identify the proper mix of Predictive Maintenance (PdM), Preventive Maintenance (PM), Corrective Maintenance (CM), and Proactive Maintenance (PAM). The final goal is to then develop a Maintenance Basis Optimization (MBO) strategy.

Additional Information – for your evaluation of our effective RCM Program for Transmission and Distribution Systems more details can be provided on request. In addition, opX engineers are willing to visit your facility to present and discuss further aspects of the Program. Please contact us at our website, or you can call/fax us directly.

opX Consulting provides a unique combination of operational, organizational and management expertise to deliver improved business management processes, organizational assessments and readiness, operational excellence and future-state performance through the application of industry best practices and technologies. Our firm's services build upon state-of-the-art industry recognized management theories and methods, business processes and technologies, research and developments of leading organizations such as the Project Management Institute, the Balanced Score Card Institute.

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