

## **Workshop: Asset Management – Maintenance and Replacement Strategies**

Chairmen: Dr. Gerard Cliteur, KEMA T&D Consulting (USA),  
Dr. J. Endrenyi, Kinectrics (Canada)

### **Summary of the session**

Many electric utilities are performing maintenance by predetermined rules: rules based on manufacturers' recommendations or on long-time experience. Introducing new rules that may be more efficient or effective are often not considered. There are several reasons why this is so. An ever-increasing data stream coming from inspections, maintenance and operations makes it more and more difficult to locate and extract the data necessary to suggest changes. Also, maintenance departments are getting increasingly busy with unplanned activities. Therefore, the use of existing programs is preferred, with possible minor modifications for efficiency. Often, there is no time for reviewing, modifying and fine-tuning maintenance programs and linking them to corporate objectives. Finally, maintenance budgets are regularly cut in order to increase profits, because maintenance doesn't seem to be important or urgent.

### **Invited speakers and key topics for the session**

The following presentations are envisaged.

- Background and choices in maintenance methods – Dr. G. Cliteur
- Reliability Centered Maintenance and its extension – Dr. L. Bertling
- Probabilistic modeling of equipment maintenance – Dr. J. Endrenyi
- Business fundamentals for implementation of maintenance strategies – Dr. U. Sandberg
- Other maintenance models and outlook – Prof. A. Jardine

With about 10 to 15 minutes allowed for each presentation, there will be about 30 minutes left for a panel discussion, including questions and comments from the audience.