

A hot topic in the industry is Asset Management: making the right asset investments to achieve strategic objectives while balancing costs, opportunities, and risks. Public regulatory bodies consistently press utilities to demonstrate a defensible, coordinated approach to justify capital and operating expenditures. The long lifetime of hydro-electric assets coupled with significant risks such as revenue variation and asset deterioration throughout this long lifetime reinforce the need for an overall management system for these assets. The hydro-electric industry is thus poised to benefit from the implementation of Asset Management practices.

The Asset Management Interest Group (AMIG) will provide real life examples and direction to implementing Asset Management in hydro-electric utilities. AMIG will build upon the work completed by the Asset Management Task Force, which was initiated as part of the Hydraulic Plant Life Interest Group in 2011. The group will cover all aspects of Asset Management, from the development of policies and strategies, to risk frameworks, asset management plans, and investment management, to achieve strategic objectives. The group will consider inputs from all Asset Management standards and the diverse experience of international members to move asset management forward for all members. Topics and projects will be user-driven to provide value to members at all stages of the Asset Management journey.

CEATI recognizes that the higher-level Asset Management processes are universal for all aspects of a utility, and AMIG will work with the CEATI Transmission and Distribution groups on these shared aspects. This will bring the added value of continuity of process and a larger member pool for vertically integrated utilities, while maintaining agility for hydro-generation specific topics.

Topics & Issues

1. Context of the Organization
2. Leadership
3. Planning
4. Support
5. Operations
6. Performance Evaluation
7. Improvement

Technical Advisor



Mr. Don Ans graduated from the University of Manitoba in 1985 with a Bachelor's degree in Electrical Engineering, and from Athabasca University in 2012 with a Master's Degree in Business Administration. He has over 33 years of experience in the operation, maintenance, and asset management of hydro-electric generating stations. During his career with Manitoba Hydro, Don was responsible for carrying out and managing maintenance engineering, reliability and commissioning functions at all of the utility's facilities, management of the corporate Chemical Laboratories, and leadership of the corporate Enterprise Asset Management project. Don took on leadership of Generation Asset Management and led the implementation of Asset Management processes until his retirement. Don joined CEATI in 2017. He also currently provides contract services in the areas of generating station maintenance engineering and asset management processes and software.

Topics

Context of the Organization

- Development of an Asset Management Policy and Strategy for Generation
- Is ISO 55000 being implemented within your company?

Leadership

- At what level of the organization is the Asset Management policy issued?
- Where is the Asset Management group located within your organization?

Planning

- What does your Asset Management framework look like? Are you using a standard (e.g., PAS55, ISO 55000, IAM, IIMM)?
- How is risk identified, managed, and prioritized across the entire portfolio of assets?
- Do you have standard whole life cost models?
- How are the requirements from Safety, Dam Safety, and Environment integrated into Asset Management?

Support

- Generation specific Asset Management information systems: which systems are necessary?
- How does your utility ensure adequate resources for Asset Management objectives and activities, especially with the mix of operating and capital work?

Operations

- How are Asset Management plans operationalized?
- Is operations and outage planning integrated into Asset Management?

Performance Evaluation

- Do you have Key Performance Indicators (KPIs) for Asset Management? What are they? How do you use them? Are they useful?

Improvement

- Do you have best practices to share concerning building an Asset Management culture across an entire company?

Annual Activities

- Quarterly Conference Calls
- 2-Day Industry Conference
- General Meeting
- Surveys & Projects
- Webinars

*Participation is open to Electrical Utilities, Independent Power Generators, and Government Agencies.

For a complete project listing, please visit www.ceati.com/AMIG

