

# ASSET MANAGEMENT FOR THE POWER & UTILITIES INDUSTRY

July 18-19, 2019  
Hilton Toronto/Markham Suites  
Conference Centre & Spa  
Toronto, ON



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## OVERVIEW

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This training program will provide a foundation of understanding for individuals working in the power & utilities industry in dealing with best practices associated with asset management. The training explains asset management from four separate perspectives: infrastructure, operations, business, and regulatory.

The infrastructure perspective covers electricity basics, equipment, and power systems in terms of generation, transmission, distribution, and customer. The operations perspective covers energy markets, bulk power dispatch, outage response, and storm restoration. The business perspective covers ownership structure, investor expectations, budgeting, and business transformation/utilities of the future. Lastly, the regulatory perspective covers state regulation, federal regulation, and general rate cases.

The course is designed so that anyone who is not familiar with asset management can benefit from the content. The course material will be a useful resource for future reference. The program is designed to stimulate dialog between the attendees and the instructor. A prior background in the power & utilities industry is recommended.

## LEARNING OUTCOMES

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- Discussion on history and evolution of asset management in utilities
- Assessment of the significance of asset management practice in utilities and how maximum value can be delivered
- Specific asset management practices for generation, distribution and transmission utilities
- Synopsis of ISO 55000, 550001 and 55002 and other relevant standards
- A look at how preventive maintenance programs help with asset management
- Changes in asset management with technology
- Asset management framework example

## WHO SHOULD ATTEND

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- Asset management
- Asset strategy
- Power plant managers
- Network engineering
- Operation & maintenance
- Network technology
- Asset optimisation
- Asset planning
- Asset data
- Asset lifecycle management
- Generation support & improvement
- Commissioning

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# AGENDA

THURSDAY, JULY 18, 2019

- 8:00 – 8:30 am Registration and Continental Breakfast**
- 8:30 – 9:00 am Introduction**
- 9:00 – 10:00 am History and Evolution of Asset Management in Utilities**
- Why is asset management important from a utilities perspective
  - Brief history on asset management practices in utilities
  - Assessing the impact asset management programs deliver for utilities
- 10:00 – 10:15 am Morning Break**
- 10:15 – 11:00 am Asset Management and its Significance**
- Assessing the risk that a utility carries with various different types of assets
  - Delivering the highest value from assets in utilities based on established maintenance practices and expected life
  - Managing power assets for maximum performance and determining when run to failure options are adequate or, to optimize during the life of the asset
- 11:00 am – 12:00 pm Overview of Standards**
- ISO 55000 – Asset management overview principles and terminology
  - ISO 55001 – Asset management system requirements
  - ISO 55002 – Asset management systems; guidelines for the application of ISO 55001
  - EPRI Standard for Integrated Life Cycle Management of Assets
- 12:00 – 1:00 pm Group Luncheon**
- 1:00 – 2:00 pm Asset Management Practices for Utilities**
- Asset management for generation, transmission and distribution utilities
  - Regulatory factors in Ontario
  - Building a better electric utility – case study
- 2:00 – 3:00 pm How can Utilities Benefit from Redefining Asset Management Strategies and Opportunities in Asset Management?**
- Risk based inspection for asset maintenance
  - Prioritizing risks in asset investment planning
  - Classification of assets as minimum, moderate, high and critical risk assets
- 3:00 – 3:15 pm Afternoon Break**
- 3:15 – 5:00 pm Big Changes as an Opportunity in Asset Management**
- The concept of a risk ranking team to classify projects for investment depending on impact to utility
  - Preventive maintenance using remote sensing instruments: System/Component health assessments and system/component monitoring plans
  - Making the right investment decisions on your assets

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# AGENDA

FRIDAY, JULY 19, 2019

**8:00 – 8:30 am**

**Continental Breakfast**

**8:30 – 10:00 am**

**Asset Management Framework & Exercises**

- Technical basis assessment: Asset present condition, failure modes and effects, maintenance templates
- Engineering programs: Equipment reliability, plant engineering, design engineering, component engineering and corporate engineering
- Lifecycle management plans: Asset description and history, regulatory requirements, design, operating and performance requirements, remaining life and long term plan

**10:00 – 10:15 am**

**Morning Break**

**10:15 am – 12:00 pm**

**Asset Management Framework & Exercises (continued)**

- Maintenance strategy – Preventive maintenance, outage maintenance
- Asset life projections and options: Overview of assets, end of life projections and mitigation options

**12:00 – 1:00 pm**

**Program Adjourns**

# COURSE INSTRUCTOR



**Mr. Umair H Dossani, MBA, B.Eng, P. Eng**

**Supervisor, Control Centre – Distribution Grid Operations Department, Toronto Hydro**

Umair Dossani is Electrical Engineer with more than 12 years of experience in the Power Sector in Canada and USA consisting of: design, consulting, power generation, plant engineering, power distribution and control room operations. He has a Master Degree in Business Administration from Wilfrid Laurier University focusing on Strategic and Operations Management. He also has a Bachelors degree in Electrical Engineering from Ryerson University. He is registered with the Professional Engineers Ontario. In addition to this Umair Dossani participated in the creation of CSA Z463 standard (Maintenance of Electrical Systems) as a member of the technical committee.

At the present time he is working at Toronto Hydro as Distribution Grid Operations Supervisor. In this role he is responsible for the management of the distribution system and the declaration and coordination of system wide emergencies as well as outage management on a 24/7 basis. He is also involved in managing multi-million dollar projects associated with Control Room enhancements and participating in project teams involved in improving the Distribution System infrastructure.

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## REQUIREMENTS FOR SUCCESSFUL COMPLETION OF PROGRAM

Participants must sign in/out each day and be in attendance for the entirety of the course to be eligible for continuing education credit.

## INSTRUCTIONAL METHODS

Case studies and PowerPoint presentations will be used in this course.

## EVENT LOCATION

A room block has been reserved at the Hilton Toronto/Markham Suites Conference Centre & Spa, 8500 Warden Ave, Markham, ON L6G 1A5, Canada, for the nights of July 14-18, 2019. Room rates are \$175 CAD, plus applicable tax. Call +1 905-470-8500 for reservations. The cutoff date to receive the group rate is June 21, 2019 but as there are a limited number of rooms available at this rate, the room block may close sooner. **Please make your reservations early.**

## IACET CREDITS



EUCI has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET). In obtaining this accreditation, EUCI has demonstrated that it complies with the ANSI/IACET Standard which is recognized internationally as a standard of good practice. As a result of their Authorized Provider status, EUCI is authorized to offer IACET CEUs for its programs that qualify under the ANSI/IACET Standard.

**EUCI is authorized by IACET to offer 1.1 CEUs for the course.**

## REGISTER 3, SEND THE 4TH FREE

Any organization wishing to send multiple attendees to this course may send 1 FREE for every 3 delegates registered. Please note that all registrations must be made at the same time to qualify.

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# REGISTRATION INFORMATION

# EVENT LOCATION

## Mail Directly To:

EUCI  
4601 DTC Blvd., Ste. 800  
Denver, CO 80237

OR, scan and email to: [conferences@euci.com](mailto:conferences@euci.com)

**WWW.EUCI.COM**

**p: 303-770-8800**

**f: 303-741-0849**

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## PLEASE SELECT

### **ASSET MANAGEMENT FOR THE POWER & UTILITIES INDUSTRY COURSE**

JULY 18-19, 2019: \$1695 CAD + 13% HST (\$1915.35 CAD)

EARLY BIRD on or before June 28, 2019: \$1495 CAD + 13% HST (\$1689.35 CAD)

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Energize Weekly is EUCI's free weekly newsletter, delivered to your inbox every Wednesday. We provide you with the latest industry news as well as in-depth analysis from our own team of experts. Subscribers also receive free downloadable presentations from our past events.

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### CREDIT CARD INFORMATION

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**OR** Enclosed is a check for \$ \_\_\_\_\_ to cover \_\_\_\_\_ registrations.

### Substitutions & Cancellations

Your registration may be transferred to a member of your organization up to 24 hours in advance of the event. Cancellations must be received on or before June 14, 2019 in order to be refunded and will be subject to a CAD \$295.00 processing fee per registrant. No refunds will be made after this date. Cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI event. This credit will be good for six months from the cancellation date. In the event of non-attendance, all registration fees will be forfeited. In case of course cancellation, EUCI's liability is limited to refund of the event registration fee only. For more information regarding administrative policies, such as complaints and refunds, please contact our offices at 303-770-8800. EUCI reserves the right to alter this program without prior notice.

