



Electricity Engineers' Association

Professional Development Programme



ASSET MANAGEMENT TRAINING FOR THE ELECTRICITY SECTOR

COURSE DURATION — 2 DAYS

INTRODUCTION

The EEA has developed a new two day course on asset management, tailored especially for the electricity supply industry. The course is intended for people working in the electricity sector who wish to gain an understanding of the full breadth of modern asset management practice.

Attendees may be asset managers new to the field, people working in a related field such as operations or finance, or those who already have considerable experience in aspects of asset management who wish to broaden their understanding. The course is applicable to those who manage assets at an operational level as well as those who are responsible for strategic aspects of asset management.

The course is based on training material offered in public courses by the New Zealand Asset Management Support (NAMS) organisation, but is customised for the electricity sector. The customisation builds on the recent experience of NAMS in delivering in-house asset management training for Transpower.

OVERVIEW

DAY 1 – UNDERSTANDING ASSET MANAGEMENT

The first day provides a comprehensive overview of asset management. It is customised for the electricity sector, but uses the International Infrastructure Management Manual as a key reference.

DAY 2 – TELLING THE ASSET MANAGEMENT STORY

This seminar is a practical ‘how to’ course on communicating the asset management story to internal and external stakeholders. Asset Management Plans are a key output from the asset management planning process and have a vitally important role in communicating asset management issues, investment needs, solutions and expenditure forecasts.

OBJECTIVES

- Gain an understanding of the basic principles of asset management
- Know what tools are available to use
- Understand the key asset management concepts
- See what others have done
- Take the opportunity to discuss AM planning with industry peers

TOPICS

- Regulations, Framework and Guidance
- Strategic Planning
- Levels of service
- Demand forecasting
- Asset information
- Asset condition and performance monitoring
- Decision Techniques
- Managing risk and resilience
- Operational Planning
- Capital Works Planning
- Financial Forecasting
- Plans and information systems
- Improving asset management



ASSET MANAGEMENT TRAINING FOR THE ELECTRICITY SECTOR

The workshop will enable attendees to answer the following questions:

- What is good practice, and how is everyone else doing it?
- What should I focus on to get the most value into my plans?
- What options are there for format and delivery of AMPs?
- What organisational resource and structure is required?

On completion of the course, attendees will be able to write, review and/or update AM plans that:

- Tell the organisation's asset management story in a logical manner
- Use language that is appropriate for the reader
- Support the higher level strategic documents
- Provide a robust basis for long-term forecasts.

Asset management plans taken directly from the NZ ESI will be presented as case studies by the industry professionals who developed them. Participants will be able to take a closer look and what goes into the asset management plans, and ask questions that are directly relevant to organisations in the ESI.

The seminar will help participants who are involved in writing, contributing to or reviewing asset management plans to identify what they should focus on to tell the story most effectively and in accordance with good practice.

OUR TRAINING FACILITATORS: NAMS - IPWEA

New Zealand Asset Management Support (NAMS) has led the development of asset management best practice within New Zealand since 1995. NAMS is a non-profit industry organisation established to promote asset management through the development of best practice guidelines and training. NAMS provides a hub through which industry professionals can both gain and distribute information on the latest developments in asset management. The NAMS Group's manuals and guidelines are not only distributed worldwide, they are also well recognised and represent the world's best practice.

NAMS is recognised as the knowledge centre for asset management and offer a range of seminars to support those in the industry. All training seminars are regularly updated and presented by experienced practitioners. Every NAMS Course is a mix of theory and analysis of actual case studies and practical examples with a range of exercises to assist in demonstrating the concepts

Note: NAMS is a subsidiary of the parent company 'Institute of Public Works and Engineering Australasia New Zealand' (IPWEA NZ)

COURSE INSTRUCTOR

LISA ROBERTS



Lisa has been working in the infrastructure asset management field for nearly 20 years and has helped to lead NZ and international asset management practices as the project manager and contributory author of all editions of the International Infrastructure Management Manual as well as for most of the other NZ NAMS Manuals. She is a highly experienced trainer and facilitator across all infrastructure asset management functions.

Other areas of expertise which support her broader infrastructure management role include organisational change, performance management and emergency/risk management. In the latter field, Lisa is an advisor for the NZ Lifelines Committee and assists a number of regional lifelines groups (forums where the region's infrastructure providers work together to improve the resilience of the interdependent infrastructure networks). Her work in this area provides her with a good working background across all lifelines infrastructure sectors including energy, communications, transport and water.