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Course Learning Objectives

After completing this course, you will be able to:

- ◆ Relate industrial energy management to market conditions, industrial needs, and government programmes in South Africa;
- ◆ Provide strategic leadership for the implementation of energy management in light of the “culture” of your organisation;
- ◆ Assess the current capacity of your organisation to do energy management, and plan actions that focus on management practices to increase that capacity;
- ◆ Provide leadership for the development and implementation of energy-related policy, organisational development, training, communications, information management;
- ◆ Assess the financial merits of proposed energy management measures, and present the business case in support of implementation recommendations;
- ◆ Provide leadership for the in-house assessment of energy use and identification of savings opportunities.

Foreword to Training Providers

This course is designed to be a very practical, hands-on treatment of the management aspects of energy management. In addition to developing an understanding of the issues, it is intended to begin the actual planning process. To support these activities, the Guidebook includes a number of planning templates and other tools; the delivery agenda should provide sufficient time for participants to use and discuss these tools.

In addition to the planning templates, other tools that should be used include

- ♦ The energy management matrix
- ♦ The energy impact self-assessment
- ♦ The TC²A (training and communication) matrix.

Because the course outcomes essentially involve increased organisational capacity for energy management, it is especially beneficial if more than one person from a given organisation attend as a group. For example, an individual from plant operations, another from maintenance and/or engineering, and another from finance would constitute an effective team. The common understanding of the issues arising from the course will help to bridge any gaps that might exist within the organisation regarding the importance and practicality of energy management.

Finally, an important function played by the training provider is the planning of the course agenda and the emphasis given to each of the topics. For example, an audience that is knowledgeable in financial analysis may not require an extensive treatment of Module 8, at least those parts that pertain to investment analysis techniques such as simple payback, NPV and IRR. Of course, the converse is also true.

As a final piece of advice to the training provider, the content in this course can be very “dry” or considerably engaging. The key to achieving the latter and avoiding the former is to deliver the course not as a lecture, but as an interactive discussion and planning activity. The relevance of the course will also be enhanced with the inclusion of local cases and examples to illustrate the key learning points. For example, in Module 4 on Energy Policy, examples from UK companies have been included, but it would be more valuable if examples from South African companies were provided.

This curriculum in the various forms that it has been provided in various parts of the world has quite consistently been met with very positive reactions, and has led to positive impacts on the participating organisations. It is our hope that the same experience will be encountered in South Africa.