

July 31, 2006

To:

Dear Sir/Madam,

**Invitation to Participate in MNC-CIGRE Tutorial on:
“Introducing Wholesale Competition in Electricity Industry – Issues, Challenges and Approaches”, 18 – 20 September, 2006, Grand Blue Wave Hotel, Shah Alam, Selangor**

On behalf of the Malaysian National Committee of CIGRE (MNC-CIGRE), I am very glad to inform you that MNC-CIGRE is organizing the above tutorial as part of our annual activities for the year 2006/2007.

In March 2006, MNC-CIGRE successfully organized a course on ‘Scheduling and Dispatch’ and one popular request by participants was to have a tutorial on ‘electricity wholesale competition’ in anticipation of the fact that Malaysia’s power industry may be moving towards that direction. As MNC-CIGRE has access to CIGRE’s work on electricity market and competition, we have invited a prominent figure in the industry, Dr. Chris Harris of RWE nPower from the U.K. to conduct the tutorial.

For MNC-CIGRE, our principle objective is to provide the platform for knowledge within CIGRE to be shared with members and non-members of CIGRE in Malaysia and that the topic is relevant to the current local electricity activities. Taking note that the electricity industry is undergoing a transformation, we believe the tutorial would be of great interest to all industry players and government officials.

On behalf of MNC-CIGRE, I would like to extend this invitation to you and/or staffs from your organization to participate in this important and relevant tutorial. Attached herewith are information and participation fee on the tutorial including the credentials of the tutor and the registration form.

We thank you for supporting MNC-CIGRE and we look forward to meeting you and/or your staff at the tutorial.

**Yours Sincerely,
for MNC-CIGRE**

Dato’ Azmi Abdullah
Tutorial Organising Committee Chairman and
Deputy Chairman MNC-CIGRE

Enclosures:

Enquiries

For more information on the Tutorial, please contact:

Zainor Rashid
Advanced Power Solutions
Fax: +603-55114801, Tel: +603-55114800,
Email: zainor@aps-my.com

Registration Form and Tutorial Fee

Please register to attend the tutorial and send together with the payment to the above address.

1	Name	
2	Designation	
3	Company/ Organisation	
4	Address 1	
5	Address 2	
6	Address 3	
7	Telephone No	
8	Fax No	
9	Email	
	Signature	

Fax to: +603-55114801 or Email to: zainor@aps-my.com

To cover for the expenses of Dr. Chris Harris and meals during the 3-day tutorial, MNC-CIGRE will be charging a fee of RM 3,800.00 per person. Please make payment to: Malaysian National Committee of CIGRE



Malaysian National Committee of CIGRE (MNC - CIGRE)

Presents

A Special Tutorial on:

**“Introducing Wholesale Competition in Electricity
Industry – Issues, Challenges and Approaches”**

By

Dr. Chris Harris
RWE npower Plc, U.K.

18 – 20 September, 2006
Rebana 2, Level 1 Convention Centre
Grand BlueWave Hotel
Shah Alam, Selangor, MALAYSIA

Event Supported by:

IEEE-PES, Malaysia, Persatuan CIREG Malaysia

***This brochure contains:
Information on the Tutorial***

About the Tutorial Presenter

Dr. Harris is currently Head of RWE npower's Industry, Networks and Agreements in the U.K. He leads a team of 80 staff involved in retail industry processes and costs, network cost prediction and management, industry codes and agreements, compliance, validation and settlement of all direct costs. He provides an active contribution to key areas of strategy and participates and runs group wide project teams. Dr. Harris has lectured at business schools in London, Paris and Rome and delivered public courses on electricity. His recent publications include:

- 1) Sole author - Harris, C. (2006) "Electricity Markets - Pricing, Structures and Economics", Wiley Finance, John Wiley and sons
- 2) Contributor - Geman, H. (2005) "Commodities and Commodity Derivatives" Wiley Finance, John Wiley and Sons.
- 3) Contributor - Bunn, D. W. (ed.) (2004) "Modelling Prices in Competitive Electricity Markets" Wiley Finance, John Wiley and sons.

Dr. Harris is currently undertaking a second PhD in Regulatory Economics.

About the Tutorial

Sustainable development is about balancing between economics, environment and conservation. Participation of the electricity supply industry in energy conservation is critical towards sustainable development. One most significant approach to conservation is to maximize efficiency in electricity production. It is proven around the world that, efficiency in wholesale production of electricity could be quickly achieved through competition. Electricity generation in Malaysia is yet to be considered competitive.

In this tutorial, Dr. Chris Harris will discuss experiences of different countries in introducing competition including approaches from different starting points. He will discuss structure of the industry to enable wholesale competition. He will also outline experiences of generators and system operators in dealing with mechanisms of wholesale competition.

Who should attend?

This tutorial should be attended by government officials, policy makers and regulators who are involved in formulating roadmaps and policies of the electricity supply industry particularly with respect to introducing competition. The tutorial should also be attended by representatives of utilities, generators, large consumers, grid system operators who are responsible for the day-to-day planning and operation of the power system under wholesale competitive environment.

We have to limit seats to 40 to ensure effectiveness of the tutorial session. Therefore, please hurry up and book your place at this important CIGRE event.

Tutorial Programme

No.	Time (hours)	Topic
DAY 1 – Wholesale market development in context		
	0830	Registration
1	0900 - 1030	- Key drivers for change - The liberalisation, deregulation and re-regulation process
	1030 - 1100	Coffee Break
2	1100 - 1230	- Twenty years of Global liberalisation - The role of markets and market intervention to satisfy energy policy - Regulation and competition
	1230 - 1400	Lunch Break
3	1400 - 1530	- Current status in different countries - Unbundling the electricity supply industry
	1530 - 1600	Tea Break
4	1600 - 1700	- The structure of wholesale markets - Market actors
DAY 2 - Market models and dimensions		
5	0900 - 1030	- Centralised pool-type structures - Decentralised physical-type structures
	1030 - 1100	Coffee Break
6	1100 - 1230	- Modern pools - Capacity mechanisms
	1230 - 1400	Lunch Break
7	1400 - 1530	- Energy balancing - Price location mechanisms
	1530 - 1600	Tea Break
8	1600 - 1700	- Emission trading - The impact of wholesale markets on dispatch
DAY 3 - Wider impact of markets		
9	0900 - 1030	- Long distance energy flows - The role of the high voltage network in energy management
	1030 - 1100	Coffee Break
10	1100 - 1230	- The link between wholesale and retail markets - The local challenges for distribution and metering
	1230 - 1400	Lunch Break
11	1400 - 1530	- Changes in supply engendered by deregulation - Regional markets and interconnection - The role of markets in Security of Supply
	1530 - 1600	Tea Break
12	1600 - 1700	- Regulatory intervention in markets - Internal markets