



## The Institution of Engineers, Malaysia (Penang Branch)

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BEM Approved  
CPD Hours: 2  
Ref No: IEM11/PG/326/L

*Distinguished Engineer Legacy Lecture on:*

### **“MANAGING WATER SUPPLY WITH LIMITED RESOURCES - THE PENANG EXPERIENCE”**

*by*

**Dato’ Ir. Dr Lee Yow Ching**

PKT, DJN, DSPN, DMPN, BE (UNSW), DBA (UniSA), P.Eng, C.ENG. FIEM, FICE, FCIWEM

**Date: 4 November 2011 (Friday)**

**Time: 5.00pm – 7.00 pm**

**Venue: IEM Penang Secretariat**

**NOTE: The 44<sup>th</sup> Annual General Meeting will convene immediately following the above presentation by Dato’ Ir. Dr Lee Yow Ching**

#### **SYNOPSIS**

Managing water supply to meet increasing demand requires a holistic approach to organize, plan and manage water supply system. Sound policies and long-term strategies should be formulated to cover the complete spectrum of water supply services: abstraction and treatment of raw water, distribution and supply of treated water, water billing and revenue collection.

Penang is one of the “water stressed” states in Malaysia as the water available within the state is inadequate to meet the demand. Despite this limitation water supply in Penang is well managed and is able to cope with the demand. The Penang water supply is currently managed by Penang Water Supply Corporation or Perbadanan Bekalan Air Pulau Pinang, formerly known as Penang Water Authority or Pihak Berkuasa Air Pulau Pinang, (PBA). PBA has achieved notable success and has won accolades both locally and internationally. It supplies water at the lowest rates with the highest supply coverage, the lowest non-revenue water and the highest revenue collection efficiency in the country. It is financially self-sufficient and is able to consistently achieve reasonable operating surplus to finance normal development projects.

This talk presents a brief account of the development of water supply in Penang, highlighting some of the special features of the water supply system and factors contributing to the success of PBA and identifying future issues and challenges.

## BIODATA OF SPEAKER

Lee Yow Ching , an engineering consultant on water supply, is former Director of Penang Water Supply Department. He was involved in the management of Penang water supply for almost 40 years.

Born in 1940 he graduated in Civil Engineering from The University of New South Wales, Australia in 1965 and obtained a Doctor of Business Administration from The University of South Australia in 2004. He completed a course on local government and administration at The University of Birmingham, U.K. on a British Council Scholarship in 1971 and a course on budgeting and finance management at The University of Pittsburgh, U.S.A on a Federal Government Scholarship in 1989. He is a Fellow of The Institution of Engineers, Malaysia, The Institution of Civil Engineers, U.K. and The Chartered Institution of Water and Environmental Management, U.K.

He joined The City Council of George Town, Penang in 1965 and was Penang Water Authority (PWA) Chief Executive Engineer from 1975 to 1990 and Deputy Chairman and General Manager from 1990 to 1998. With the corporatisation and subsequent privatisation of PWA, he was appointed Director of Penang Water Supply Department, a government regulatory body for water supply, in 1999 until his retirement in 2004.

He is active in community services and has served as Chairman or President of many organisations such as The Institution of Engineers Malaysia, Northern Branch, Australian and New Zealand Graduates' Association of Malaysia, Penang Branch, Penang Amateur Swimming Association, Penang Swimming Club, Rotary Club of Penang and Chinese clan associations

## PROGRAMME

4.30 pm – 5.00 pm	Registration & Networking
5.00 pm – 5.05 pm	Welcoming Address
5.05 pm – 6.00 pm	Distinguished Engineer Lecture
6.00 pm – 7.00 pm	Question & Answer Session

**Closing Date:** Friday, 28 October 2011

## REGISTRATION

Registration will be made on a **'first come first served'** basis as seats are limited. For enquiries, please call the IEM Penang Branch secretariat.

## REGISTRATION FORM

**Talk** : “Managing Water Supply With Limited Resources - The Penang Experience”  
**Date** : 4 November 2011 (Friday)  
**Time** : 5.00 pm to 7.00 pm  
**Venue** : IEM Penang Secretariat

REGISTRATION FEES				
Student	Graduate	IEM Member	Non-IEM Member	Senior IEM Member > 55 yrs
FOC (AGM)	FOC (AGM)	FOC (AGM)	RM 80.00	FOC (AGM)

Name of Organisation: .....

Tel: ..... Fax: ..... Email: .....

We wish to register the following person(s) for the talk:

NO	NAME	HANDPHONE	IEM NO	BEM NO	FEES (RM)
1					
	New IC:				
2					
	New IC:				
3					
	New IC:				
4					
	New IC:				

Payment to be made via one of the following:

- 1 online to AMBANK Acct#: 002-201-101022-6 (please e-mail receipt to us)
- 2 crossed cheque in favour of: The Institution of Engineers, Malaysia
- 3 cash to IEM Penang Secretariat

Contact Person: ..... Designation: .....

Signature: ..... Date: .....