CEO’s Message

EMC’s flagship event, the Singapore Electricity Roundtable 2013, will be held on 29 October at the Marina Bay Sands Convention and Exhibition Centre.

To commemorate the tenth anniversary of the National Electricity Market of Singapore (NEMS), this year’s Roundtable will look at the liberalisation of Singapore’s electricity industry from different perspectives and talk about the challenges ahead. There will also be discussions on other topics of great interest to the industry, including gas market developments, electricity futures and full retail competition. Details of this year’s event can be found in the article below.

In the NEMS, the Uniform Singapore Energy Price (USEP) fell in July but rose again in August to $205/MWh. This is the highest monthly average USEP for the year so far. Read more about the market's performance on page 3.

Still on the market, the NEMS welcomed GlaxoSmithKline Biologicals’ first embedded generation (EG) unit in May. In addition, three new combined-cycle gas turbine (CCGT) units were registered in the market this year, one each from Keppel Merlimau Cogen, Tuas Power Generation and PacificLight Power. Details of the new generation units can be found on page 2.

Finally, I am pleased to announce the successful completion of the first phase of our Network Upgrade Project. The network infrastructure at our Novena Square office has been replaced with a new one in August, and we will similarly be upgrading the network at our other two data centres later this year. These ongoing system enhancements will help us mitigate the risks of failures and disruptions, and better serve our customers.

I look forward to meeting many of you again at the Singapore Electricity Roundtable in October.

Dave Carlson
Chief Executive Officer

Register Now For the Singapore Electricity Roundtable 2013

Registration for the ninth Singapore Electricity Roundtable opened on 1 August. We are encouraged by the number of local and overseas registrations to date. The Roundtable will be held on 29 October as one of the key events of the Singapore International Energy Week (SIEW).

Our distinguished guests who will be speaking at the Roundtable this year are veterans and experts in the electricity and energy sectors. They will discuss a wide range of topics that are current and important to these sectors. The Roundtable speakers and topics this year are:

• Wong Kim Yin, Group Chief Executive Officer, Singapore Power (Singapore), who will speak on market liberalisation as the impetus for foreign direct investments;

(continued on page 2)
Three New Combined-Cycle Gas Turbine (CCGT) Units and One Embedded Generation (EG) Unit Joined NEMS This Year

EMC welcomed GlaxoSmithKline Biologicals’ first EG unit into the National Electricity Market of Singapore (NEMS) on 7 May. With a generation capacity of 1.932MW, this unit raises the total registered capacity of EGs to 333MW.

Apart from this, three new generation units were registered with the NEMS this year. Keppel Merlimau Cogen, Tuas Power Generation and PacificLight Power registered a CCGT unit, each with a maximum capacity of slightly over 400MW. With these latest additions, the total registered capacity of CCGT units in the NEMS now stands at slightly over 8,600MW.

EMC Training Programme – Next Course on 14 and 15 November 2013

EMC will be holding the next run of its two-day training course, Understanding Electricity Markets, on 14 and 15 November 2013. Our staff will be conducting six sessions covering the following topics:

- Understanding Electricity
- Overview of the Electricity Sector
- The National Electricity Market of Singapore and its Unique Features
- Pricing in Detail
- Settlement
- The Demand Side

We advise you to book early to secure your place in the course of your choice and benefit from our early-bird discount.

Further details on the programme and on how to register are on our website, www.emcsg.com. For enquiries, please e-mail trainingprogramme@emcsg.com or contact Jan Lee at +65 6779 3000.
Market Update

Following a rise in the Uniform Singapore Energy Price (USEP) in June, the USEP fell in July before rising to this year’s high in August. The monthly average USEP was $172.74/MWh and $204.93/MWh in July and August* respectively. The movements in the USEP were inversely related to the changes in supply, which expanded in July but decreased in August.

Send us Comments, Feedback or Questions

The EMC Bulletin is written by EMC for you and we are always striving to improve our service. We are interested in any feedback you might have about specific articles and topics covered or comments and suggestions about other areas you would like to see included.

Please send your comments, feedback or any questions either via e-mail to info@emcsg.com or via fax to +65 6779 3030.

Thank you in advance for your time and effort.
**User Forum**

**Market Information Sharing Forum (MISF)**

The 71st session of the MISF will be presented by Tan Choon Kiat on Thursday, 12 September. He will cover the market performance for July and August, the progress update on current system enhancements as well as feature topics. All MISF representatives are encouraged to register online.

**Market Systems User Group (MSUG)**

The bi-monthly MSUG forum was held on 15 August. EMC IT updated the attendees on the following topics:

- IT incidents that occurred from June to August and actions taken to resolve them;
- Status updates on key on-going IT Infrastructure and Application Projects:
  - Network Upgrade Project (NUP);
  - Three sets of new web services reports [i.e. Scheduled Generation, Security Constraint, Risk Adjustment Factor (RAF) value];
  - RAF display-related changes in the Single Electronic Window (SEW) portal;
  - Widening of facility display field on the Offer Management System (OMS) user interface;
  - Settlement enhancement for the Liquefied Natural Gas (LNG) Vesting Contract;
  - Revenue regime changes to EMC Admin Fee; and
  - SEW portlets changes.

On the NUP, the network upgrade at Novena Square was successfully completed in early August. The network upgrade for the remaining two data centres are scheduled to be completed by December.

In addition to the above, EMC IT held its first knowledge sharing session at the August MSUG forum. The team provided insights into the NEMS systems and shared how the systems are integrated using various technologies.

The following topics will be covered at subsequent knowledge sharing sessions:

- SEW architecture;
- Settlement systems architecture; and
- Shareplex and Oracle database tools in the business continuity architecture.

The next MSUG forum is tentatively scheduled for Thursday, 17 October.