A major milestone for the industry this year is the opening up of the retail electricity market to allow households in Singapore to choose their service providers. From 1 November, the Open Electricity Market will be rolled out progressively to the rest of Singapore, benefitting consumers who now have a range of competitive and innovative electricity packages to choose from.

We are pleased to support the liberalisation of the electricity market with the launch of PowerSelect, an electricity procurement portal that helps businesses purchase electricity more efficiently. The new service is a natural extension for EMC, as we have been facilitating the trading of electricity in the wholesale market for more than 15 years.

We are grateful for the support of electricity retailers and customers who have come on board PowerSelect, and we look forward to helping businesses in Singapore save valuable time and money when procuring electricity.

The annual EMC Golf Day was held on 28 September. I am encouraged that we continue to see strong participation and support from our market participants and sponsors. I hope our guests enjoyed the networking opportunity as well as the changes we introduced to the format of play to refresh the event.

In the last two months, seven new intermittent generation source (IGS) facilities and one new electricity retailer were registered in the wholesale electricity market. The monthly Uniform Singapore Energy Price (USEP) recorded a new high for the year in October when it crossed the $150.00/MWh mark. This corresponded with an increase in fuel price as well as a tight supply cushion.

Last, but certainly not least, we were privileged to join students and teachers from Chaoyang School for their Children’s Day celebration. It is always a pleasure to spend time with the children and help out at the school’s events, and we have done so every year since we started supporting the school in 2005.

Toh Seong Wah
Chief Executive Officer
Introducing PowerSelect
An online platform for purchasing electricity

We are pleased to share that EMC has launched a new online platform, PowerSelect, to help businesses purchase electricity more efficiently.

Commercial and industrial consumers with an average monthly electricity consumption of more than 10,000kWh (equivalent to a monthly electricity bill of approximately $2,000) can purchase electricity through PowerSelect.

The platform helps businesses secure the best electricity deal through a Live Auction in 15 minutes or an Invitation to Tender. Businesses registered on PowerSelect can also access electricity price data on their dashboards to help them make informed decisions about their electricity contracts.

More information about the platform, including ongoing promotions for businesses, can be found at www.powerselect.sg.

Chaoyang School Children’s Day Celebration

On 3 October, six staff volunteers joined the students and teachers of Chaoyang School for the movie, “Small Foot”, in celebration of Children’s Day. The children thoroughly enjoyed the movie, which is a 3D computer-animated musical comedy about a friendly Yeti.

EMC has been supporting Chaoyang School since 2005. Each year, we sponsor and help out at one of the school’s flagship events like Sports Day or Children’s Day.
This year’s EMC Golf Day was held on Friday, 28 September at the Sentosa Golf Club (SGC). This is our 16th year hosting the event for Singapore’s electricity industry.

We are heartened by the continued strong participation and support from our market participants (MPs) and sponsors. We had more than 130 attendees including board members, CEOs, senior managers, governance panel members as well as other key industry stakeholders.

Golfing enthusiasts had the opportunity to try out the New Tanjong Course which re-opened in February 2017. We introduced a new format of play for the 18-hole golf challenge this year, where golfers stood a chance to win individual prizes on top of the usual team prizes. Aspiring golfers learned useful tips from professionals in a two-hour golf clinic.

We welcomed more guests in the evening. Many would agree that the networking over cocktails and dinner, coupled with the sumptuous buffet spread and attractive lucky draw prizes, made for a memorable evening. This event would not have been possible without the support of our sponsors. We would like to thank both returning and new sponsors for their generous contributions - Dell EMC, Orange Business Services, Singtel, Acme Associates, EB2B.COM, Entis, Hitachi Vantara, OCBC, Power Systems Consultants and Rajah & Tann.

We also enjoyed support from our MPs – Hyflux Energy, Keppel Infrastructure, Ohm Energy, PacificLight, Sembcorp, Senoko Energy, Singapore LNG Corporation, Tuas Power Generation and YTL PowerSeraya – who sponsored novelty hole and lucky draw prizes, food-at-hole stations, massage corner and goodie bag items.

We would like to extend special thanks to all our guests for making this event a success. We look forward to hosting you again next year.
Market Update

Overview of USEP and supply cushion – Jan to Oct 2018

The monthly average Uniform Singapore Energy Price (USEP) rose to $117.33/MWh and $154.02/MWh respectively for September and October as the supply cushion tightened to 24.5 percent in September and contracted further to 22.4 percent in October. October’s monthly average USEP is the highest for the year so far and corresponded with a 7.3 percent increase in fuel price between September and October.

On 18 September, Singapore experienced a partial blackout from 1.18 am to 1.56 am. The supply cushion averaged 15.9 percent that day, reaching a low of 7.1 percent in one half-hourly period, with the daily average USEP at $331.82/MWh.

New Entrants to the NEMS

New market participant and facilities registered in the NEMS

One new market participant (MP) joined the National Electricity Market of Singapore (NEMS) in October:

<table>
<thead>
<tr>
<th>Market Participant</th>
<th>Market Participant Class</th>
<th>Date Registered</th>
</tr>
</thead>
<tbody>
<tr>
<td>SingNet Pte Ltd</td>
<td>Retailer</td>
<td>30 October</td>
</tr>
</tbody>
</table>

The total number of retailers in the NEMS is now 25.

In addition, seven new facilities were registered by five MPs in September and October:

<table>
<thead>
<tr>
<th>Market Participant</th>
<th>Facility Type</th>
<th>Capacity (MW)</th>
<th>Date Registered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunseap Leasing Pte Ltd</td>
<td>Non-exporting Intermittent Generation Source (IGS)</td>
<td>1.260</td>
<td>10 September</td>
</tr>
<tr>
<td>Sun Electric Energy Assets Pte Ltd</td>
<td>IGS</td>
<td>0.041</td>
<td>12 September</td>
</tr>
<tr>
<td>Sembcorp Solar Singapore Pte Ltd</td>
<td>IGS</td>
<td>0.432</td>
<td>19 September</td>
</tr>
<tr>
<td>Sunseap Leasing Beta Pte Ltd</td>
<td>IGS</td>
<td>0.864</td>
<td>19 September</td>
</tr>
<tr>
<td>Cleantech Solar Singapore Assets Pte Ltd</td>
<td>Non-exporting IGS</td>
<td>1.500</td>
<td>30 October</td>
</tr>
</tbody>
</table>

With these additions, the total registered capacity of IGS facilities stands at 49.954MW, or 0.4 percent of the total registered generation capacity in the NEMS.
Market Information Sharing Forum (MISF)

The Market Operations team hosted the 101st session of the bi-monthly MISF on 13 September. During the forum, the following topics were shared with the attendees:

- Market performance in July and August 2018;
- Key highlights in July and August 2018;
- System enhancements and projects; and
- Feature topics:
  - Revamp of trading reports;
  - Compensation for generators adversely affected by price revision;
  - Update on operation incident;
  - New credit support account for security deposit; and
  - Publication of Annual Generator Outage Programme (AGOP) file in Excel.

We would like to thank all participants for their continuous support and strong interest in the MISF. The next MISF is scheduled for 13 November. Market participants who are interested to share at future MISFs are encouraged to come forward.

Market Systems User Group (MSUG)

The bi-monthly MSUG forum was held on 18 October. EMC Technology team updated attendees on the following topics:

- Overview of NEMS systems availability year-to-date for FY2018/2019;
- Overview of NEMS systems service desk calls received between October 2017 and September 2018;
- Overview of change releases deployed between October 2017 and September 2018;
- NEMS systems incident;
- Planned NEMS maintenance;
- Disaster Recovery Preparedness Exercise;
- Status updates on Technology (infrastructure) projects:
  - Server Hardware Application Refresh Project (SHARP);
  - Annual Secure Sockets Layer (SSL) certificate renewal;
  - Migration to Office 365; and
  - Managed Security Services (MSS);
- Status updates on Technology (applications) projects:
  - Compensation for generators adversely affected by price revision; and
  - Annual Generator Outage Programme (AGOP) file upload and publication in Excel.

The next MSUG forum is tentatively scheduled for Thursday, 20 December.

EMC Training Programme

Next course on 15 and 16 November 2018

EMC will be holding the next run of its two-day course Understanding Electricity Markets on 15 and 16 November 2018. Our staff will be conducting seven sessions covering the following topics:

- Understanding Electricity
- Why Reform and Regulation are Essential in the Electricity Industry
- The National Electricity Market of Singapore and its Unique Features
- Introduction to SGX Electricity Futures Market
- Pricing in Detail
- Market Settlement and Credit Risk Management
- How Consumers can Influence Electricity Markets

The course dates for 2018 and 2019 are as follows:
- 15-16 November 2018
- 21-22 February 2019
- 16-17 May 2019

We advise you to book early to secure your place in the course date 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.