DRAFT MINUTES – Forecasting and Planning Reference Group (FPRG)

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| MEETING: | # 3  |
| DATE: | Tuesday 30 January 2018 |
| Contact: | Energy.Forecasting@aemo.com.au  |

 **ATTENDEES:**

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| **NAME** | **ORGANISATION** | **LOCATION** |
| Craig Oakeshott | AER | Adelaide |
| Eli Pack | AEMO | Brisbane |
| Shane Brunker | Energy Queensland | Brisbane |
| Craig Price | AEMO | Melbourne |
| Jo Dean (Secretariat) | AEMO | Melbourne |
| Matthew Marston | AEMO | Melbourne |
| Nick Culpitt | AEMO | Melbourne |
| Nicola Falcon | AEMO | Melbourne |
| Rachael Shaw | AEMO | Melbourne |
| Tania McIntyre (Chair) | AEMO | Melbourne |
| Teresa Rinaldi | AEMO | Melbourne  |
| Michael Pierce | AGL | Melbourne |
| Steve Leopardi | AGL | Melbourne |
| Ben Skinner | Australian Energy Council | Melbourne |
| Chris Streets | Energy Australia | Melbourne |
| Richard Paprzycki | Energy Australia  | Melbourne |
| Neil Gascoigne | Powercor Australia | Melbourne |
| Panos Priftakis | Snowy Hydro | Melbourne |
| Peter Wormald | Delta Electricity | Sydney |
| James Googan | Origin | Sydney |
| David Moore | Planning NSW | Sydney |
| John Sligar | Sligar and Associates | Sydney |
| Elizabeth Bowron | AEMC | Teleconference |
| Damian Dwyer | APPEA | Teleconference |
| Don Prentis | APA Group | Teleconference |
| Jackie Bridge  | AusNet Services | Teleconference |
| Will Schivell | Australian Gas Infrastructure | Teleconference |
| David Whitelaw | Dept. of Environment and Energy | Teleconference |
| Hugo Klingenberg | Electranet | Teleconference |
| David Hock | Engie | Teleconference |
| Maya Muthuswamy | Engie | Teleconference |
| Geoff Bongers | Gamma Energy Technology | Teleconference |
| David Headberry | Major Energy Users | Teleconference |
| Erin McSweeney | NSW Dept. of Planning Transport | Teleconference |
| Tadipatri Prasad | NSW Government | Teleconference |
| Ian McGill | NSW University | Teleconference |
| Cameron McLean | Powerlink | Teleconference |
| Keith Rulan | Powerlink | Teleconference |
| Craig Memery | Public Interest Advocacy Centre | Teleconference |
| Jennifer Brownie | QLD Electricity Users Network | Teleconference |
| James Bennett | SA Power Networks | Teleconference |
| Ewan Sherman | TasNetworks | Teleconference |
| Arindam Sen | TransGrid | Teleconference |

#### 1. Welcome and Introductions

Tania McIntyre (AEMO) welcomed the FPRG to the first meeting of 2018.

Tania thanked the FPRG stakeholders for their participation in the 2017 forums and continued input into the post forum surveys.

Tania acknowledged the IT issues highlighted within the feedback (specifically regarding the video conferencing and teleconference facilities) noting that a solution is currently being sought.

#### 2. Previous minutes and action items

Tania McIntyre (AEMO) ran through the Action Items from the November 2017 meeting. The meeting minutes were accepted and noted as final.

Updates on outstanding Action Items have been appended below.

#### 3. Gas Statement of Opportunities (GSOO)

Rachael Saw (AEMO) informed the FPRG that AEMO is proposing to delay publication of the GSOO, including gas demand forecasts, from 31 March 2018 to mid-June 2018 to align with data timeframes for the Australian Domestic Gas Security Mechanism (ADGSM) and to reduce administrative burden on participants.

Members of the FPRG commented that they were supportive of the change for this year, but would want extensive consultation before setting this date in subsequent years as the ADGSM may not be a long term requirement. One member commented that, in the interest of winter planning, the sooner the release the better, but followed up with a correction later to advise that they were comfortable with a June publication date.

Any further queries or comments on this, please contact: energy.forecasting@aemo.com.au

# 4. Generator Information

Matthew Marston (AEMO) presented on AEMO’s data collection and future publication of information with the following highlights from the presentation:

* The new data portal creates a ‘one-stop-shop’ and has been created to be as easy to use as possible.
* Data is being collected in a new way, asking new questions which will assist in forecasting reliability and energy constraints.
* AEMO aims to roll this out by July 2018. Prior to this, AEMO will host participant trials/feedback and training sessions.

A query was raised on projects by non-market participants and how these would be captured and how AEMO plans to get visibility of these. Nicola Falcon (AEMO) responded that the current strategy was based on stakeholder consultation and getting people to voluntarily submit information. Another question on demand side response and the commitment criteria capability was raised and AEMO agreed they would need to start thinking about this.

It was suggested that Transmission Network Service Provider’s (TNSP’s) and jurisdictional bodies could assist in providing lists of new or potential participants coming on board.

ACTION 4.1.1: Matthew Marston (AEMO) to provide a sample of the questions table for the portal to FPRG prior to March 2018. Questions will also be discussed at targeted data portal workshops in next couple of months.

ACTION 4.1.2 Tadipatri Prasad (NSW Govt.) will contact Nicola Falcon (AEMO) to provide a list of upcoming projects offline.

Stakeholders queried how AEMO identifies current projects, stating that information coming from the AEMO website is unreliable as it leaves room for incorrect information and is missing new projects that have been publicly announced. Nicola reiterated that AEMO rely on information on new projects to come to AEMO through Registrations, conversations with Network Service Providers, AEMO’s Generator Information Survey etc.

Stakeholders were encouraged to send information on any new projects to generation.information@aemo.com

#### 5. Integrated System Plan (ISP) Update

Craig Price (AEMO) provided an update on the ISP informing the FPRG that the consultation paper for the ISP has been released, with submissions addressing the approach and scenario due Friday 2 February 2018.

Once submissions have been received the remaining input is due by end of February 2018.

The first ISP is due for release in June 2018 and will capture the diversity in half hour traces of difference areas. The data will be released through the data portal.

The context, focus and purpose of first Integrated System Plan (ISP):

* The merits of strategies based on scale size renewable zones (Finkel 5.1) relative to strategies reliant on market led investment in distributed resources (both embedded and transmission).
* The approach to re-engineer the power systems as existing thermal fleet reaches end of life and is replaced with generation in different parts of the power system and other alternatives (such as demand management).
* The technical requirements needed to manage future power systems.
* The need for any large scale investment in long-life long-lead time generation and transmission, under a low regret approach that balances risks of inefficient investment and stranding against timely investment to maintain reliability.
* The value created by networks to enable diversity of supply and storage and thereby improve reliability and reduce costs.

#### ACTION 5.1.1 Craig Price (AEMO) to engage with Craig Oakeshott (AER) in discussions on network frameworks and current renewable zones in greater detail offline.

Nicola Falcon (AEMO) requested that stakeholders with any information or details to share on storage to contact her to provide any insights on types of storage options, range of costs, the resilience of power system security, new technology and the range of services offered.

The ISP will deliver plans under three core scenarios, these plans will look at renewable energy zones and what generations might connect under difference scenarios.

In 2019 AEMO will be working with the AEMC to look at how governments might support specific renewable energy zones.

Further queries or statements on this, please email energy.forecasting@aemo.com.au.

#### 6. Trends and Generator Reliability

Nick Culpitt (AEMO) presented on generator summer capabilities informing the FPRG of the following:

* This will focus on the capability of the fleet in the summer peaks.
* The modelling is based on summer capacities provided by participants and information on historical outages.
* Nine main station types are being used in the recent GHD study for AEMO, modelling temperature rises and impact on NEM unit output.

This will be covered in more detail in the Generator Performance Data Information Workshop on 13 February.

Stakeholders were encouraged to submit ideas, trends, comments or questions to energy.forecasting@aemo.com.au or Tania McIntyre directly.

#### 7. Medium Term Projected Assessment of System Adequacy (MT PASA)

Nicola Falcon (AEMO) provided an update on the Medium Term Projected Assessment of System Adequacy (MT PASA) informing the FPRG that the redeveloped MT PASA previously due to go live on the 15 February 2018 has been delayed.

The complexity of the project and challenges repeatedly running the system reliably on the cloud environment have contributed to this delay. AEMO has a commitment that this will be delivered by the end Q2 2018, although earlier go-live is anticipated by the end of April 2018.

The participant trial will commence at the end of February 2018. The dates will be available by the end of this week with email notifications sent out to provide more information. Any questions or queries can be directed to energy.forecasting@aemo.com.au or jo.dean@aemo.com.au

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# 9. Meeting Close

The next Forecasting Reference Group meeting is scheduled for Tuesday 27 February 2018.

The next Planning Reference Group is scheduled for Tuesday 13 February 2018.

**Forecasting Reference Group (FRG) Actions Items**

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| **Item** | **Date Raised** | **Topic** | **Action required** | **Responsible** | **By** | **Status** |
| **4.1.1** | 30 Jan 2018 | Generator Information | Sample of the ‘questions table’ in new portal to be distributed to FPRG. | Matt Marston(AEMO) | March 2018 | Open |
| **4.1.2** | 30 Jan 2018 | Generator Information | Tadipatri Prasad to discuss upcoming projects off line | Tadipatri Prasad (NSW Govt.)Nicola Falcon(AEMO) |  | Open |
| **5.1.1** | 30 Jan 2018 | Integrated System Update | Discussion of ISP details to be held offline. | Nicola Falcon,Craig Price(AEMO)Craig Oakeshott(AER) | 10 February 2018 | Open |
| **1.4.1** | 19-Sep-17 | Summer Analytics Program | Chat with Ausnet Services regarding the ARENA project with Solcast. GS Update – Spoke with Luke at Solcast – insights to be released in future. Commitment from Siro for 1 resource. *20/11 Update –* Yet to commence program.*30/01 Update* – Vivian Mai, Price and Consumer demand behaviour and Song Li, Climate/Heatwaves will present on in the coming months.  | Greg Staib (AEMO) | 24-Oct-17 | In progress |
| **1.4.2** | 19-Sep-17 | Summer Analytics Program | Discuss consumer behaviour around tariffs with Craig Memery (PIAC)*20/11Update* - relates to analytics program – comment taken on board. *30/01 Update –* Craig to discuss with Tania off line | Scott Maves (AEMO)Greg Staib (AEMO) | 24-Oct-17 | Completed |
| **1.5.1** | 19-Sep-17 | Electric vehicles | Confirm penetration of EVs is for a strong, neutral and weak scenarios. | Greg Staib (AEMO) | 24-Oct-17 | Completed |