

Forecasting Reference Group (FRG) DRAFT MINUTES

MEETING: FRG #1 2022
 DATE: Thursday, 27 January 2022
 TIME: 2:00pm – 4:00pm AEDT

ATTENDEES:

Name	Company	Name	Company
Monami Dasgupta	ACCC	Brian Spak	ECA
Tom Ralston	ACCC	Graham Pearson	ECA
Ben Skinner	AEC	Alex Driscoll	Edge Energy Services
Abbas Mohammadi	AEMO	Abu Abdullah	ElectraNet
Andrew Turley	AEMO	Verity Watson	ENA
Azadeh Keshavarzmohammadian	AEMO	Connor Mcleod	Enel
Bella Pennington	AEMO	Florie Fong	Energy Australia
Ben Jones	AEMO	Lawrence Irlam	Energy Australia
Daniel Collins	AEMO	Matthew Macri	Energy Australia
Gerry Devereux	AEMO	Dora Guzeleva	EPWA
Grace Liu	AEMO	Steven Kruit	EPWA
Greg Staib	AEMO	Emma Forrest	ERA
Helen Wang	AEMO	Shibli Khan	ERAWA
Keith Ruddell	AEMO	Kerina Heath	Ergon
Kristine Cruz	AEMO	Brent Hudson	Essential Energy
Levi Rosenbaum	AEMO	Chandreyee Namhata	EY
Magnus Hindsberger	AEMO	Cam Potter	FFI
Natasha Sinclair	AEMO	Christina Sutherland	GLNG
Neetika Kapani	AEMO	Brent Davis	Jemena
Oliver Derum	AEMO	Ben Harvie	Lochard Energy
Rachael Saw	AEMO	Penny Ling	Metro Power
Sandy Ng	AEMO	David Stephen Havyatt	NICE
Siobhan Attwood	AEMO	Aaron O'Brien	Powercor
Tim Abernethy	AEMO	Ben McGregor	Powerlink
Blair Burkitt	AER	Dean Knight	Powerlink
Eugene Deguingand	AER	Jennifer Brownie	QEUN
Mark Riley	AGL	Bret Harper	RepuTex
Chrys Chandraraj	Alinta Energy	Stanley Lee	Schneider Electric
Michelle Nguyen	Alinta Energy	Simon Akero	Shell
Sam Lei	Alinta Energy	Sumeet Kaur	Shell
Naomi Donohue	APA	Ron Logan	Shell Energy
Paul Grzinic	Aurora Energy	Noel John Sligar	Sligar and associates
Morteza Moallemi	AusNet Services	Lucy Wu	South 32
Owen Pascoe	CEFC	Joe Hemingway	Stanwell
Sam Ingram	CleanCo QLD	Julie Morrison	TasNetworks

Linh Nguyen	CME WA	Jahan Peiris	TransGrid
Paul Graham	CSIRO	Sujeewa Vithana	UE
Felicity Sands	DELWP	Bijoy George	Western Power
Jean Paul Dussaubat	DELWP	Iain Machanick	Western Power
Norman Jip	DELWP	James Fletcher	Western Power
Taryn Gale	DELWP	Judy Hunter	Western Power
Justin Plant	DISER	Mark McKinnon	Western Power
Lucienne Burnham	DISER		

1. Welcome and Introductions

Daniel Collins (AEMO) welcomed everyone and covered the following:

- Forward plan of FRG agendas for 2022
- Draft FRG Minutes - 24 November 2021 circulated after the meeting.
- Open consultations:
 - [2022 Forecasting Assumptions Update Consultation](#)
 - Written submissions closed on 4 February 2022
 - [Draft 2022 ISP Consultation](#)
 - Written submissions closed on 11 February 2022
- Stakeholder engagement across the participation spectrum.
- Recalibration of component forecasts for 2022 WEM and NEM ESOOs.
- Submissions to Energy.forecasting@aemo.com.au are appreciated.

2. Presentation 1 – 2022 GSOO update

Azadeh Keshavarzmohammadian (AEMO) presented AEMO's updates to the 2022 Gas Statement of Opportunities (GSOO) since drafts were presented at the 24 November 2021 FRG.

3. Presentation 2 – 2023 IASR process kick off and engagement planning

Greg Staib (AEMO) involved stakeholders in preliminary planning for engagement on components of the 2023 Inputs, Assumptions and Scenarios Report (IASR).

Key topics raised by stakeholders during this session included:

- AEMO: For 2023 IASR forecasting components, stakeholders will have the opportunity to interact with pre-draft forecasts, before the draft IASR is consulted on. How best can the FRG collaborate on strategic issues for each forecasting component?
 - Ron Logan (Shell Energy): Surveys can capture the FRG's views. This round of interaction should challenge assumptions used in the past.
 - Cameron Potter (FFI): Workshops can discuss earlier stages, understanding that this brings greater uncertainty. Asking for feedback on past work helps inform discussion, as long as new issues are also on the table.
 - Mark Riley (AGL): Consultants should use workshops to 'walk through' and discuss new types of data, rather than presenting slight changes to previously presented graphs.
 - Ron Logan (Shell Energy): AEMO should acknowledge how stakeholder feedback impacts component forecasts before publishing the draft IASR.
 - Owen Pascoe (CEFC): The FRG should capture feedback on methodologies, before they are set, rather than only results.
 - Jennifer Brownie (QEUN): Host knowledge sharing sessions on relevant topics, including electrolyzers.
 - Mark Riley (AGL): Include a topic on "new technologies".
 - David Havyatt (NICE): The scenario process needs reforming too, to encompass the entire possible environment and plan scenario consequences as they are developed.
 - AEMO: The [2022 Forecasting Assumptions Update Consultation](#) is accepting submissions about consolidating appropriate scenarios for the 2022 ES00.

4. Presentation 3 – Unplanned transmission outage rates – FRG Consultation

Ben Jones (AEMO) presented unplanned transmission outage rates as an FRG Consultation, outlining proposed changes to the methodology and their benefits following stakeholder input. Submissions close on 10 February 2022.

Key topics raised by stakeholders during this session included:

- Ben Skinner (AEC): Is the risk of late delivery of large transmission projects captured?
 - AEMO: These risks are not captured in reliability forecasts as the ESOO generally includes the most likely timelines.
- 1. Which lines should be included in unplanned outage rate calculations?
 - Cameron Potter (FFI): VNI is excluded since both NSW and Victoria have enough regional generation to substitute any interconnector loss at peak demand. Does this mean that VNI will cause significant curtailment in both regions?
 - Ben Skinner (AEC): Interconnectors often compete with local generation. For Unserved Energy (USE) determinations, does the type and firmness of intra-regional generation make a difference?
 - AEMO: Generation firmness is considered. Interconnectors are only excluded if there is “significant” intra-regional generation (Criteria #2 on slide 5). For example, “QNI” goes all the way to Liddell since semi-scheduled generation north of Liddell is not considered significant at this point in time.
 - Ron Logan (Shell): Criteria #3 on slide 5 should be clarified to only exclude elements “in the interregional flow path”
 - AEMO: The ESOO & Reliability Forecasting Methodology will be updated.
- 2. How should unplanned transmission outage rates be calculated?
 - Abu Abdullah (ElectraNet): Will partial outages of interconnectors and associated risks be captured in the model?
 - AEMO: Partial outages would be captured in reclassification events.
 - Ron Logan (Shell): These outages are “unplanned” rather than “forced”.
 - Ben Skinner (AEC): Transmission long duration outages are predominantly in underwater cables, which are harder to fix than overhead transmission lines.
- 3. How should unplanned transmission outage rate constraints be implemented?
 - Ron Logan (Shell): Will the outage constraints capture Frequency Control Ancillary Services (FCAS) impacts when applicable or apply a simple static limit?
 - AEMO: FCAS constraints will not be included. **(ACTION 1.1)**
 - Ben Skinner (AEC): How sensitive is the USE outcome to unplanned transmission outage rates?
 - AEMO: The methodology implemented means that unplanned transmission outage rates have a low impact on USE.

5. Meeting close

The next FRG meeting will be held on Thursday 23 February 2022, continuing planning for the 2023 IASR process, focusing on economic forecasts and multi-sector modelling.

Appendix A Forecasting Reference Group (FRG) Actions Items

FRG Action Items – **CLOSED** (at 18 February 2022)

Item	Date Raised	Topic	Action required	Responsible	Details	Status
1.1	27/1/2022	FCAS in Transmission FOR calculations	AEMO to confirm whether outage constraints capture Frequency Control Ancillary Services (FCAS) impacts when applicable or apply a simple static limit.	AEMO	FCAS constraints will not be included in outage calculations	CLOSED