Housekeeping

Ground rules and virtual meeting protocols

- Please place your microphone on mute, unless you are asking a question or making a comment.

- Please keep questions relevant to the agenda item being discussed.

- If there is not a break in discussion and you would like to say something, you can 'raise your hand' by typing 'question' or 'comment' in the meeting chat. Questions and comments can also be emailed to wrig@energy.wa.gov.au after the meeting.

- The meeting will be recorded for minute-taking purposes. Please do not make your own recording of the meeting.

- Please state your name and organisation when you ask a question to assist with meeting minutes.

- If there are multiple people dialling in through a single profile, please email wrig@energy.wa.gov.au with the names of the attendees to be recorded in the minutes.

- If you are having connection/bandwidth issues, you may want to disable the incoming and/or outgoing video.

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Agenda

Time	Item
9:30am	**Item 1: Introductions** Mike Reid | AEMO
9:35am	**Item 2: Joint Industry Plan – Updates** Dora Guzeleva | EPWA Mike Reid | AEMO Mark McKinnon | Western Power Ben Connor | Synergy
9:50am	**Item 3: Update on the "Reformer" Portal for Participants** Mike Reid | AEMO
9:55am	**Item 4: Procedure Updates** Alex Gillespie, Paul Elliot, Katelyn Rigden, Toby Price, Clayton James | AEMO
10:45am	**Item 5: Transitional SCADA Arrangements** Clayton James | AEMO
11:00am	**Item 6: Next Steps** Mike Reid | AEMO

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Joint Industry Plan Updates

Session purpose: EPWA, AEMO, Western Power and Synergy to update WRIG on key changes to the JIP

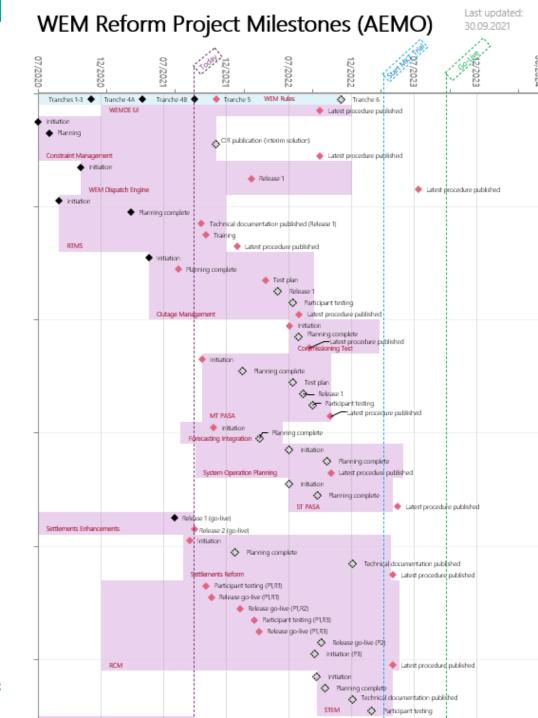Working together for a **brighter** energy future.

Joint Industry Plan

Updates and run through

EPWA, AEMO, Western Power and Synergy to run through key milestones, status and changes in JIP.

Updated JIP and Milestone log will be circulated/published alongside WRIG Meeting Minutes.

JIP and log are published to:

https://www.wa.gov.au/government/document-collections/wem-reform-implementation-group-wrig

WEM Reform Project Milestones (AEMO)

Last updated: 30.09.2021

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AEMO – General update

Following announcement of the extension

- AEMO's schedules and project timelines continue to be adjusted; for instance to reflect stakeholder feedback – e.g. RTMS Market Test

AR6 process

- Consultation forum held 13/10 on AEMO's next Allowable Revenue and Forecast Capital Expenditure submission with written submission due with the ERA 31/12 (formerly 30/11)

- AEMO continues to offer 1:1 discussions and participants to be consulted via the ERA's review process

Readiness Working Group (19/10) discussed:

- Early drafts for specific readiness criteria for AEMO and ERA (targeting Q1 2022 to publish the full set of specific readiness criteria)

- A draft industry risk register (to be published through the Reformer Portal this year)

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AEMO Implementation Program Activities

AEMO's implementation program update includes the following:

- RCM Phase 1 – Release 1 build complete and undergoing testing – on track for December obligation
    - Market Trial 10 November
    - Release 24 November

- RTMS Project – ongoing development work, preparation for Market Participant Interactive Showcases on 1 and 3 November 2021
    - Participant Submissions WEM Procedure - under ongoing AEMO review
    - RTMS technical specifications - will be updated with a further planned release in November

- WEMDE Project – successful completion of first 20% of WEMDE development workload

- Outage Management project planning phase complete, system build has commenced.

- Forecast Integration Project – Scoping Document validated and approved

- MT PASA Project – PLEXOS Software Evaluation is continuing, and planning phase progressing.

- Completed review of market feedback on WEM Procedures and subsequently published: Communications and Control Systems; FCESS Accreditation

AEMO Next Steps	• Deliver RTMS showcases first week Nov 2021 • Release changes to CRC applications in RCM Portal to Market Trial Nov 2021 • Continue WEMDE development – strong focus on Upstream API Layer – integrate with input systems • Present to November WRIG on WEM Procedures for Capacity Credit Allocation; WEMDE Dispatch algorithm and feedback received for the Certification of Reserve Capacity WEM Procedure

Rules Gazettal Schedule

Work package	June	July	August	Sept	Oct	Nov	Dec	2022
TRANCHE 0 - GAZETTED • Governance of constraints • Technical Rules change management, etc								
TRANCHE 1 - GAZETTED • Generator Performance Standards Framework • Frequency Operating Standards and Contingency Events Frameworks								
TRANCHE 2 - GAZETTED • Foundation Market Parameters (incl. STEM) • Frequency Co-optimised ESS • Scheduling and Dispatch • Market Settlement, etc								
TRANCHE 3 - GAZETTED • Reserve Capacity Mechanism (RCM) Prioritisation and Network Access Quantities Framework • Participation of storage/hybrid facilities in the RCM, etc								
TRANCHE 4A - GAZETTED • Transitional Arrangements (e.g. ESS accreditation) • Changes and Rules commencement to facilitate 2021 RCM, etc.								
TRANCHE 4B – GAZETTED (28 September) • UFLS & System Restart • Change management for specified Technical Standards • Changes to shortfalls/refunds – not-in-service capacity and ESR • Remaining changes to facilitate 2021 and 2022 RCM • Changes and Rules commencement to facilitate 2022 RCM	▓	▓	▓	▓				
TRANCHE 5 (December) • Non-Cooptimised ESS Framework • Participation and Registration framework • Intermittent Loads • **Changes to RCOQ and Reserve Capacity testing rules** • Market Information Framework (tbc)				▓	▓	▓	▓	
TRANCHE 6 (2022) • Typographical & Reference Errors • Manifest errors / omissions								Timing TBC

Legend:
- Drafting instructions and rule drafting
- Stakeholder consultation
- Ministerial approval, publication of the Amending Rules and Gazettal

Update on the "Reformer" web portal

Session Purpose: To update the group on establishment of the new WEM Reform portal for WEM participants

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Update on "the Reformer"

- **Site has been established**

- **Content is under development**

- **Management protocols are well progressed**

- **User account provisioning**
  - Basic process has been designed
  - Users will be asked to agree to a disclaimer
  - Password and two factor authentication will be managed through a familiar Microsoft portal

- **Expecting to issue invitations to register for access before end of the year**

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WEM Procedures

Session purpose:

- **AEMO to provide an overview of Declaring Emergency Operating States and Declaration of Bilateral Trades and the Capacity Credit assignment**

- **AEMO to advise of upcoming changes to the Indicative Facility Class and RCM Facility Class Assessment WEM Procedure**

- **AEMO to discuss feedback received for the FCESS Accreditation and Communications and Control Systems**

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WEM Procedures

WRIG Schedule

Meeting	Owner	Project	Topic/Procedure
28 October	AEMO	System Planning	Declaring Emergency Operating States
	AEMO	RCM	Declaration of Bilateral Trades and the Capacity Credit assignment
	AEMO	RCM	Indicative Facility Class and RCM Facility Class Assessment Update
	AEMO	RCM	Facility Sub Metering Update
	AEMO	WEMDE	FCESS Accreditation Feedback
	AEMO	WEMDE	Communications and Control Systems Feedback
25 November	AEMO	WEMDE	Dispatch Algorithm
	AEMO	RCM	Certification of Reserve Capacity Feedback
	AEMO	Settlements	Capacity Credit Allocations
27 January	AEMO	RCM	Reserve Capacity Security Procedure
	AEMO	RCM	RCM Constraints
	AEMO	RCM	RCM Limit Advice

WEM Procedures

Recently Published

Date	Owner	Project	Topic/Procedure
1 October 2021	AEMO	WEMDE	Frequency Co-optimised Essential System Services Accreditation
1 October 2021	AEMO	WEMDE	Communications and Control Systems

Upcoming Publication

Date	Owner	Project	Procedure
1 November	AEMO	RCM	Certification of Reserve Capacity

Upcoming Consultation

Date	Owner	Project	Topic/Procedure
Coming weeks	AEMO	RCM	Indicative Facility Class and RCM Facility Class Assessment
Coming weeks	AEMO	RCM	Facility Sub-Metering

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Transitional SCADA dispatch arrangements

Session Purpose: To update the group on arrangements to facilitate the transition to the modified SCADA signals and new participant responses required for the new market

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Transitional SCADA Dispatch Arrangements.pptx

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Next Steps

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Next Steps

- **Next WRIG 9:30am Thursday 25 November 2021 (last WRIG of 2021)**

- **Next WRIG-IT meetings scheduled**
  - 11 November
  - 25 November

- **Other dates**
  - 1 November: RTMS Interactive Showcase #1 – JSON Schema and User Interface
  - 3 November: RTMS Interactive Showcase #2 – JSON Schema and API

- **WRIG Members – please continue to provide offline feedback, queries and suggestions on topics you would like further information on wa.ets@aemo.com.au**

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