WEM Reform Program Update

Presented to WA Electricity Consultative Forum

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24 August 2022

WEM Reform Program Status Update | July 2022

Overall Status

AEMO continues to expect to achieve the October 2023 go-live date. The program status remains **amber** due to the continuing impact of resourcing challenges on the program schedule, however progress has been made on resolving these challenges over the period.

Key Activities This Period

- **Market Readiness:** Finalising the new Market Readiness Survey for release 29 July 2022 and building the associated analytical tools. Building new features for the Reformer site to support better information discovery by market participants
- **Rules**: Progress on concept documents developed by AEMO and RBP allowed progress of rule drafting and finalisation of issues with EPWA
- **Procedures:** Provided overviews on ESS Quantity Determination Methodology and Outages WEM Procedures (WRIG 30 June). Completed consultations on RCM Constraint Formulation and Declaration of Bilateral Trades WEM Procedures.
- **System Development**: Progressed development work with key highlights:
  - **WEMDE**: Significant progress with building the EMS integration. Second version of the Settlement and Monitoring Data interface specification released.
  - **WEMDE UI**: Commenced execution – in parallel with some continuing design work, including hardware and build activities.
  - **Outage Management**: Completed market participant testing of user interface for Release 1. Further elaboration of Release 2.
  - **RCM**: Continued to progress Phase 2 (NAQ) and continued planning Phase 3.
  - **Settlements**: Capacity Credit Allocation well-advanced and PaSS Development commenced

Focus For Next Period

- **Market Readiness:** Process responses and prepare Market Readiness Report No.4, reflecting state of readiness against specific readiness criteria.
- **Rules:** Support EPWA to finalise rules for the second consultation package.
- **Procedures:** Consult on or finalise WEM Procedures including: ESS Quantity Determination Methodology, Notices and Communications, Undertaking the LT PASA and Declaration of Bilateral Trades.
- **System Development**: Progress development work as follows:
  - **WEMDE**: Complete technical build documentation and confirm alignment with WEMDE UI technical designs.
  - **WEMDE UI**: further development of backlog, commence building standards screen UI (noting iterative design/build approach).
  - **MT PASA**: Define data and technical requirements for final work package and commence development.
  - **Outage Management**: Provide market with an overview of the reporting API and continue elaboration of remaining scope.
  - **RCM**: Complete first development milestone for Phase 2 and continue planning for Phase 3.

Stakeholder Engagement

WRIGs	Market Readiness Survey 4	WA ECF	Market Readiness Report
~Fortnightly	29 July	24 August	Early Sept

WEM Reform Program Status Update | Aug 2022

Overall Status

AEMO continues to expect to achieve the October 2023 go-live date. Program status remains **amber** due to the continued impact of resourcing on the schedule, however actions to scale up, including increased external resources, have improved momentum with positive indicators of recovery.

Key Activities This Period

- **Market Readiness:** Market Readiness Survey issued. AEMO has received ~20 responses, covering around 93% of the market. Responses are being reviewed.
- **Rules**: Continuing to assist EPWA to finalise Tranche 6 of the WEM Rules.
- **Procedures:** Priorities have been Generator Monitoring Plans, Overview of dispatch related systems, documents, and publications (WRIG 28 July).
- **System Development**: Progressed development work with key highlights:
  - **WEMDE**: drafted functional description of Automatic Generation Control/Automatic Balancing Control (for release next month) and successfully transferred the first dispatch instructions to the Energy Management System.
  - **Outage Management**: Completed API swagger for Network Operator and planning for remaining scope for the project.
  - **RCM**: Managing technical challenges in development of Phase 2 NAQ engine leading to minor delays in the NAQ WEM Procedure consultation. Phase 3 planning was progressed
  - **Settlements**: Significant progress has been made on Capacity Credit and IRCR. Commencing certification with API documentation released (WRIG 23 Aug).
  - **Registrations**: Project has completed planning and is entering execution.

Focus For Next Period

- **Market Readiness:** Publish Market Readiness Report No.4 and release Survey No.5.
- **Rules:** Support EPWA as required (e.g. Market Power Mitigation).
- **Procedures:** Consult on or finalise WEM Procedures including: Real-Time Market Timetable, Declaration of Bilateral Trades and RCM Constraint Formulation.
- **System Development**: Progress development work as follows:
  - **RTMS**: Release 2 into Market Participant Test environment (targeting 1 Sept)
  - **WEMDE**: Commence working on fast start logic and integrating with RTMS system. Progress scope reprioritisation for UI to manage project scope.
  - **Outage Management**: Prepare and publish API specification for forced outages.
  - **RCM**: Continue Phase 2 development and testing and seek approvals to commence Phase 3.
  - **MT PASA**: Complete testing of the proof of concept model
  - **Settlements**: Progress development work and certification.

Stakeholder Engagement

WRIG 23 August	**WA ECF** 24 August	**WRIG** 8 Sept	**Market Readiness Report** Early Sept	**WRIG** 22 Sept

Questions and Feedback?

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