

MINUTES

MEETING: ST PASA Replacement Project Workshop #1 – Generator Recall Process
DATE: Thursday, 7 April 2022
TIME: 10:00am-12:00pm AEDST
LOCATION: Microsoft Teams Meeting only
TELECONFERENCE DETAILS: **Join on your computer or mobile app:**
[Click here to join the meeting](#)
Join with a video conferencing device
aemo-au@m.webex.com
 Video Conference ID: 138 584 464 3
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Or call in (audio only):
[+61 2 8318 0090](tel:+61283180090), [391028435#](tel:+61283180090) Australia, Sydney
 Phone Conference ID: 391 028 435#

EXTERNAL ATTENDEES:

ORGANISATION REPRESENTED
Amber Electric
AEMC
AER
AGL
AusNet Services
CS Energy
DELWP
Energy Australia
Hydro Tas
Iberdrola
Intergen
Origin
Pacific Energy Trading
Powercor
Shell Energy
Stanwell

Agenda:

No.	Time	Agenda item	Responsible
1.	10:00 am – 10:05 am	Welcome and Introductions	Paul Johnson Chair
2.	10:05 am – 10:15 am	Background of ST PASA Replacement Project	Shivani Mathur AEMO - OPERATIONS
3.	10:15 am – 10:50 am	Generator Recall <ul style="list-style-type: none"> • Current Process • Issues with the current process 	Sujeewa Rajapakse AEMO - OPERATIONS

		<ul style="list-style-type: none"> Way forward 	
4.	10:50 am – 11:20 am	New ST PASA Process <ul style="list-style-type: none"> Rule change Proposals for new process 	Shivani Mathur AEMO - OPERATIONS
5.	11:20 am – 11:50 am	Q & A (any further feedback)	Shivani Mathur AEMO - OPERATIONS
6.	11:50 am – 12:00 pm	Next Steps & Close	Shivani Mathur AEMO - OPERATIONS

Item #1: Welcome and Introduction – Chair – Paul Johnson (AEMO)

The chair welcomed and informed the attendees that:

- Notes will be taken, and a summary circulated after the session.
- Participants are not permitted to record the meeting. Unauthorised recording is likely to break a number of state and federal laws.

Item #2: Background of ST PASA Replacement Project – Shivani Mathur (AEMO)

Slides 3 to 6 from the slide pack were discussed.

Key discussion points were:

- Objective of the ST PASA Replacement Project
- Progress to date
- These stakeholder workshops are being held to work through technical concepts in detail. These workshops are being held for information purposes and also for seeking feedback from stakeholders, which will feed into the formal procedure consultation and detailed business requirements of the new ST PASA process.
- CS Energy commented that the RLDG should add a requirement for ST PASA to include any forecast of FCAS, PFR or system strength issues. AEMO advised that they are considering these and there are also other initiatives that are looking at the best processes to forecast and manage these issues.

Item #3: Generator Recall – Current Process – Sujeewa Rajapakse (AEMO)

Slides 7 to 15 from the slide pack were discussed.

Key discussion points were:

- Generator recall process used by AEMO when an intervention event is envisaged, to establish the latest time to intervene and ensure we have a full picture of all the MWs available
- CS Energy commented that there are two parallel processes that are not symmetrical/synchronised – generator recall and bid PASA Availability. They are both

used by AEMO for making decisions regarding directions. It would be better to remove this duplication. AEMO agrees that there is some duplication and will explain the reason for the two process and discuss the best way forward later in this presentation.

- Shell commented that given the lack of information that AEMO has, Shell has no issues with the current generator recall process, however when AEMO issues the Generator Recall notice if a LOR2 or higher occurs, why does it wait for no LOR1s before withdrawing or cancelling?
 - AEMO responded that it is trying to avoid asking for information and then withdrawing the market notice, as it creates too much confusion amongst participants. AEMO only withdraws the market notice when it has reasonable confidence that the LOR2 or higher condition is unlikely to reappear based on the available information.
- AER asked if AEMO would expect the recall information to be covered by 'false and misleading' rules
 - AEMO responded that we were going to cover this later in the presentation but reiterated that it is not trying to create some onerous process for participants. The aim of the new process is to get more information for AEMO and the market.
- Regarding the table on slide 14 – QLD event on 1st or 2nd Feb – AEMO issued/withdrew the Generator Recall notice 2 or 3 times as we moved in and out of LOR1 and LOR2. AEMO believes that this number of requests for information is undesirable. Hence AEMO has introduced process improvements explained in slides 10, 11 and 13.
 - The table on slide 14 shows the low levels of participant responses to requests for Generator Recall information – happy to take feedback from participants on what's not working on their side with existing process
 - AGL – if there is no recall then from memory we aren't expected to submit anything
 - AEMO – AEMO saw quite a few generators in QLD rebid Max Availability but didn't actually respond with Generator Recall information
 - Some participants reported that they advise AEMO of Generator Recall information via email
 - Origin questioned whether it should respond through generator recall process or making generation capacity available by updating Max Availability in bids?
- CS Energy raised the issue of duplication of processes. AEMO explained that the current PASA Availability is associated with a 24-hour recall. This does not provide AEMO with enough information to understand the true capacity available and the latest time to intervene. AEMO is trying fix this issue in the new ST PASA process, but until it is in place, AEMO requires the two processes to get the required information.
- Shell raised the issue that if the response that occurs is via a resubmission to increase Max Availability as opposed to through generator recall information, how does that impact AEMO's decision making process in this area? AEMO explained that in many cases there are no changes to Max Availability submissions until a lot closer to the day even though the LOR2s are flagged several days ahead. Shell raised the point that in many cases participants believe that the LOR2 is caused by the FUM and when it rolls off the LOR2 condition will go away. AEMO believes that in some cases the LOR2s were flagged outside of the 72-hour FUM window, but AEMO did not see a response.
- Intergen sought clarification if the recall time limitation was due to manning of power stations. It was discussed that there could also be other limitations including Availability

of fuel or other technical challenges resulting in longer lead time on CCGT units. It was also discussed that sometimes it is not clear on what value to put in the recall portal for example a peak firing plant may be available for a 2-hour period. It does not neatly fit into either the Max Availability or PASA Availability category. AEMO advised that this kind of information can be provided in the comments section of the portal. The information provided is not fed into an automatic system but is read by operators who can interpret the information based on comments provided.

Item #4 – New ST PASA Process – Shivani Mathur (AEMO)

Slides 16 to 23 from the slide pack were discussed.

Key discussion points were:

- In response to the range of generator recall times, Shell suggested that a longer timeframe would provide more information to the market. This was supported by other stakeholders and there was support for the maximum allowable recall time to be 7 days (168 hours) for the operational timeframe that ST PASA operates in.
- Shell also suggested the use of PASA Availability in the ST PASA runs. AEMO will be discussing this further in a subsequent workshop.
- Intergen commented that as an outage progresses, the recall time can be dynamic and they prefer not to profile over the duration of the outage. AEMO agrees that it is not trying to make this an onerous process for participants. AEMO showed an example (Slide 20) of how it would expect the recall time to be bid during an outage.
- AER also commented that their expectations are for participants to provide their current intentions and best estimates. When they have new information and the current submission is no longer accurate, it should be updated in accordance with cl. 3.13.2(h)
- AER advised that they will be updating the re-bidding guidelines to explain AER's expectations from participants rebidding PASA Availability.
- AEMO explained that if PASA Availability is the same as Max Availability then there is no requirement to submit a recall time.
- CS Energy explained that PASA Availability can be what participants may offer into the market or is available under direction and asked if that would complicate matters. AEMO explained that it is the participants choice to either offer this extra capacity in the market or wait until AEMO directs them. This is the main reason of not using PASA Availability in the base ST PASA run.
- EA explained the complexity of bidding PASA Availability and recall times for intermediate plants. The participant will always have to bid their non-zero PASA Availability but only bid a non-zero Max Availability when they commit to run. There is usually a 2 to 3 hours start up time. AEMO explained that if the unit can come up to full PASA Availability if directed with at least 2 hours' notice then that is the value to submit for the recall time. PASA Availability is the recallable amount over and above what the participant is willing to offer as their Max Availability. The participant can profile their bid Max Availability over the period they want the unit to be dispatched up to, but there might be some additional physical capacity available (PASA Availability) which they submit in the bid along with its recall time. AEMO will use that PASA Availability and recall time in its intervention decision making process. EA has concerns with the modelling of PASA Availability and recall time for single aggregated DUIDs for some of their intermediate plants. EA is concerned that, if they have one steam turbine with a longer recall time than

the other, then what recall time would be required. It was agreed that there needs to be further discussion on this. AEMO will provide some further scenarios and work with stakeholders to develop a practical approach.

- A scenario was provided where there are lock out periods overnight. AEMO suggested that a PASA Availability of 0 MW should be entered for the duration of lock out. The recall time would be null as there is no extra capacity available
- EA asked if there will be a field for whether outages are for maintenance or commercial or forced. AEMO agreed that it would be useful information as it would also help AEMO in determining uncertainty margins for scheduled units. The rules do not require participants to provide this information. There will be further discussion on how uncertainty margins will be determined in a later workshop.

Item #5: Q & A / other feedback – Shivani Mathur (AEMO)

- Concluding remarks from stakeholders was that they were very appreciative of the break-up of topics as it is very important to consider idiosyncrasies in each.