



# UFE Focus Group Meeting #2

3 December, 2021

# Welcome & Housekeeping

- Welcome
- Housekeeping
  - These meetings will be recorded and shared
  - Please keep yourself on mute when you are not speaking
  - Feel free to use the chat or come off mute should you have any questions or comments
  - Questions which cannot be answered on the day will be captured and answered asap
  - We will endeavour to circulate 'Notes' within a week of the focus groups
  - Actions will be captured, shared and completed as required
  - Any questions, concerns or suggested agenda items can be sent to [GSMSDR@aemo.com.au](mailto:GSMSDR@aemo.com.au)

# Agenda

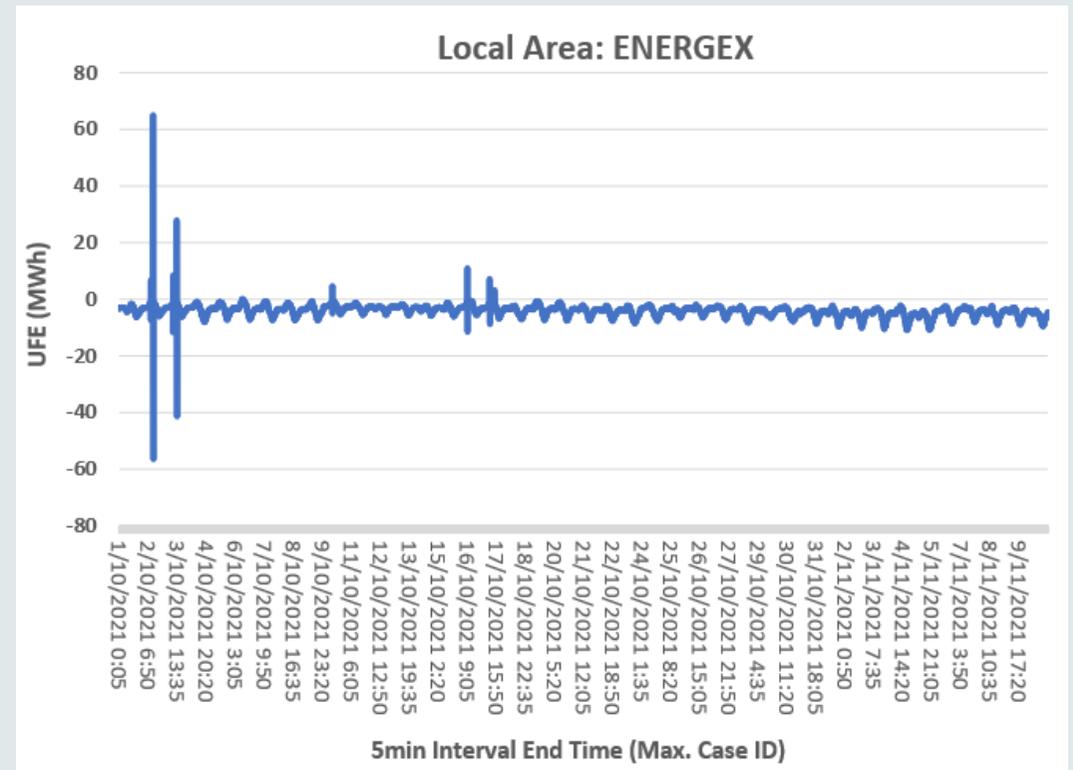
NO	AGENDA ITEM	RESPONSIBLE
1	Welcome	Blaine Miner
2	Key Issues	Darren Gatty & David Ripper
3	Progress Since Go-Live	Darren Gatty & David Ripper
4	Short-term Priorities	Darren Gatty & David Ripper
5	May Release Implementation Approach	Greg Minney
6	Next Steps and General Business	Blaine Miner

# Key Issues

Darren Gatty & David Ripper

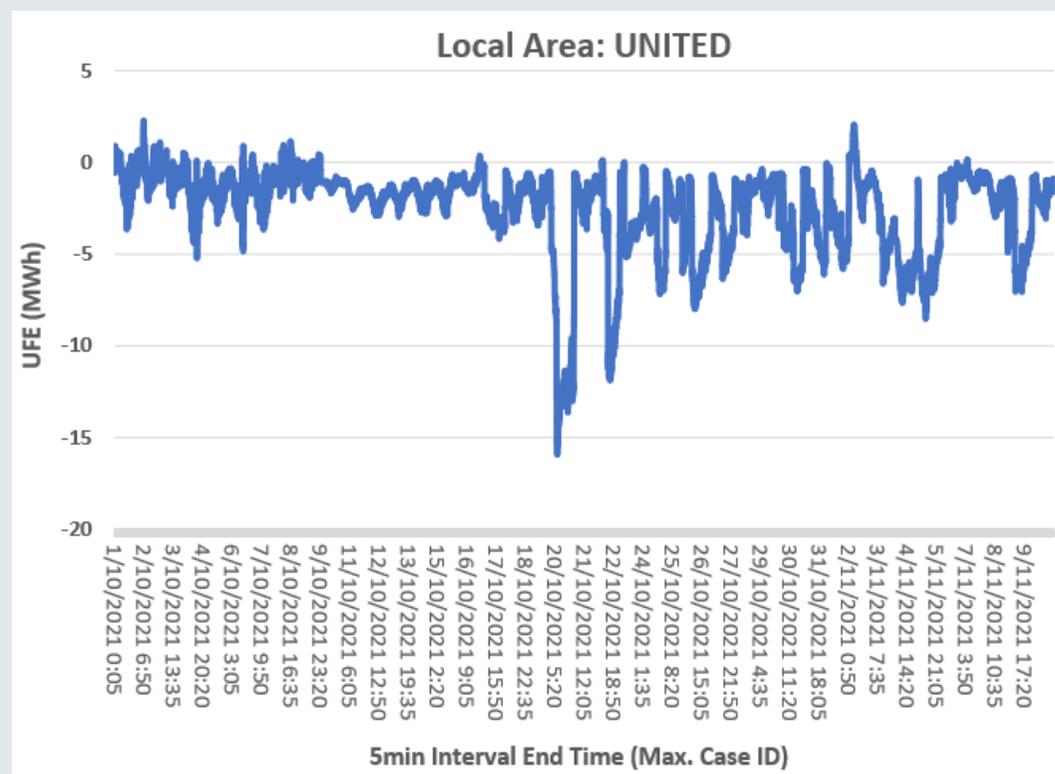
# Key Issues – 5MLP Spikes

- 5 Minute Load Profiles (5MLP) are currently creating unexpected and unusual energy spikes (both positive and negative)
- These spikes are impacting the calculation of both trading interval energy and UFE values
- Local Areas, such as ENERGEX and UMPLP, are being impacted, noting that this issue has not been confirmed as being the root cause of all spikes observed
- AEMO is currently in discussions with the AER regarding a potential solution to this issue



# Key Issues – Metering Data Quality

- Metering data quality issues are still being observed relating to some MDPs.
- These issues e.g. inappropriate zero substitute reads are impacting all Settlement calculations
- The investigation into these issues are requiring significant time commitments from both the AEMO Metering and Settlements teams, prior to statements to be published
- Metering data quality issues also impacts UFE calculations and are likely contributing to some of the observed anomalies
  - For example, the UNITED LA (shown to the right) shows periods of large negative UFE values that may be caused by this issue



# Progress Since Go-Live

Darren Gatty & David Ripper

# Progress Since Go-Live

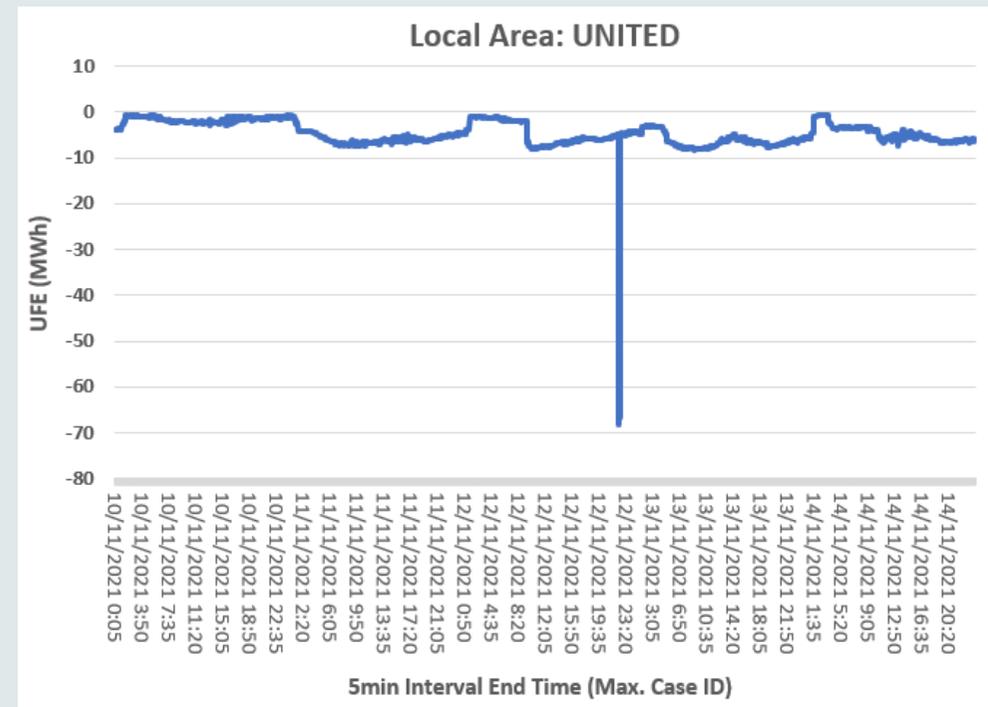
- Responses have been provided to a number of participant queries, hopefully improving participant understanding of how the data is being delivered and what it represents
- One clarification recently provided, related to how the UFE data flows into the SETCPDATA table in the MMS Data Model, particular care needs to be taken with interpreting the signs of this data
  - The signs in the settlements system are the opposite of the retail system, as a negative energy is required for participants to be charged for energy consumption
- The below table displays how the data will appear in the SETCPDATA table. In this example the retailer is exporting 10MWh from the grid (consumption) for this TNI/Period and also importing 2MWh to the grid (generation), so are charged for 8MWh without any UFE

Scenario	SETCpdata UFEA	INENERGY	XNENERGY	Energy Charged (TA)	RRP	TLF	Charge (EP)
No UFE	0	2	10	-8	\$40.00	1.1	-\$352.00
"normal" UFE	-1	2	11	-9	\$40.00	1.1	-\$396.00
"negative" UFE	1	3	10	-7	\$40.00	1.1	-\$308.00

- In the “normal” UFE scenario the negative UFEA value must be multiplied by -1 before being added to the ENENERGY field, in order to increase the amount of energy being charged for
- In the “negative” UFE scenario the positive UFEA value is added to the INENERGY field to decrease the amount being charged (Energy Charged = INENERGY – XNENERGY)

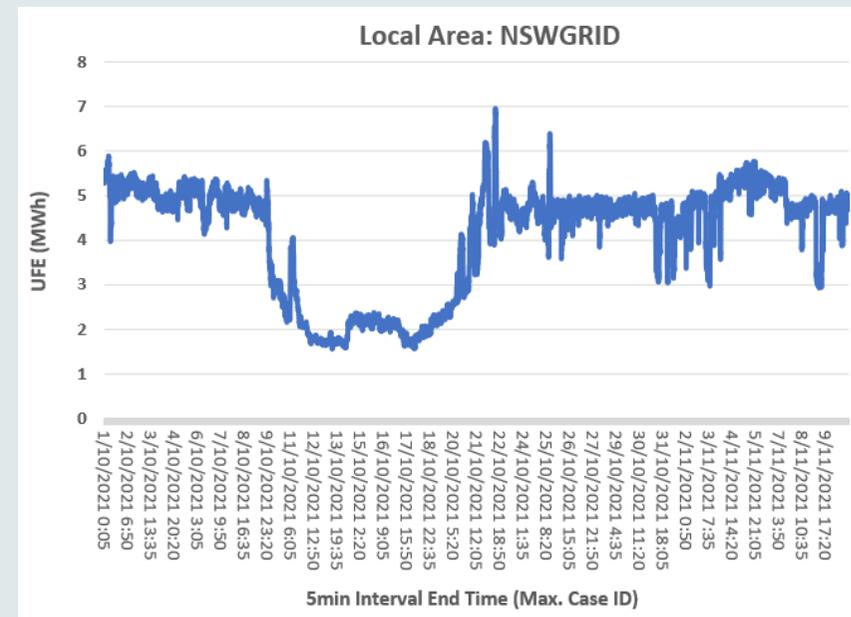
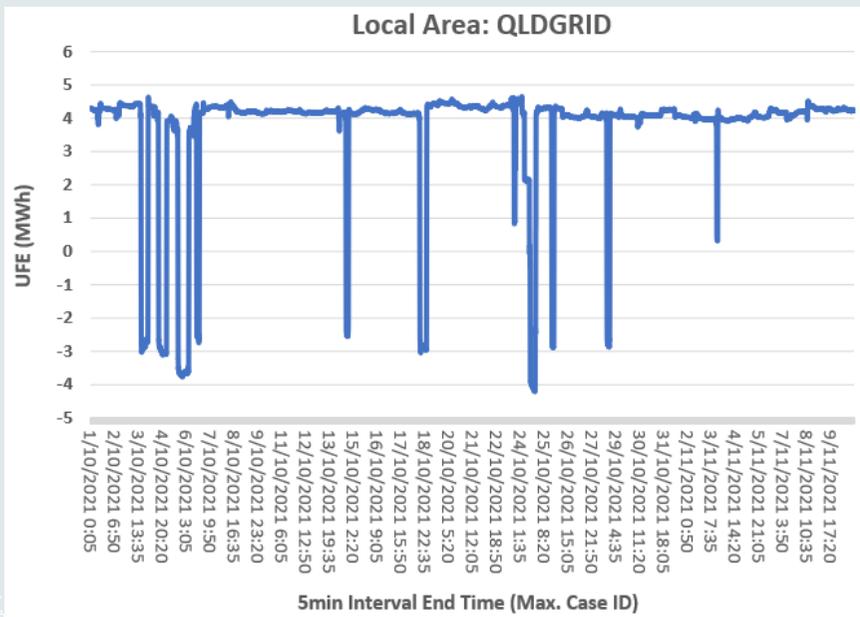
# Progress Since Go-Live

- Detailed reviews of each Local Area have begun, identifying any strange patterns in the UFE trend that appear outside of the known major issues or unexpected data for investigation
- As an example, the ENERGEX Local Area has a TNI (QMGL) where there appears to only ever be TME calculated with no ADME values associated with this TNI
- The TNI only has 2 BULK classification NMIs associated with it, the TNSP has been requested to confirm if they are emergency supplies
- There have also been some spikes in recent data where the cause does not appear to be the 5MLP issue, as there is no offsetting spike of the opposite sign



# Progress Since Go-Live

- Investigations have begun into the current calculations resulting in UFE values in the NSWGRID and QLDGRID Local Areas (LAs), these should have no UFE calculated
- Around 14 NMIs have been identified where the current MSATS configuration results in TME being recorded against these LAs and since there is no ADME being calculated, this TME is currently considered entirely UFE
- As part of the soft start calculations, this UFE is being allocated to the transmission connected loads within these LAs, which is not appropriate
- These NMIs may have been reassigned from a LNSP area due to changes in connection characteristics, with the current configuration not impacting settlements by difference processes



# Short-term Priorities

Darren Gatty & David Ripper

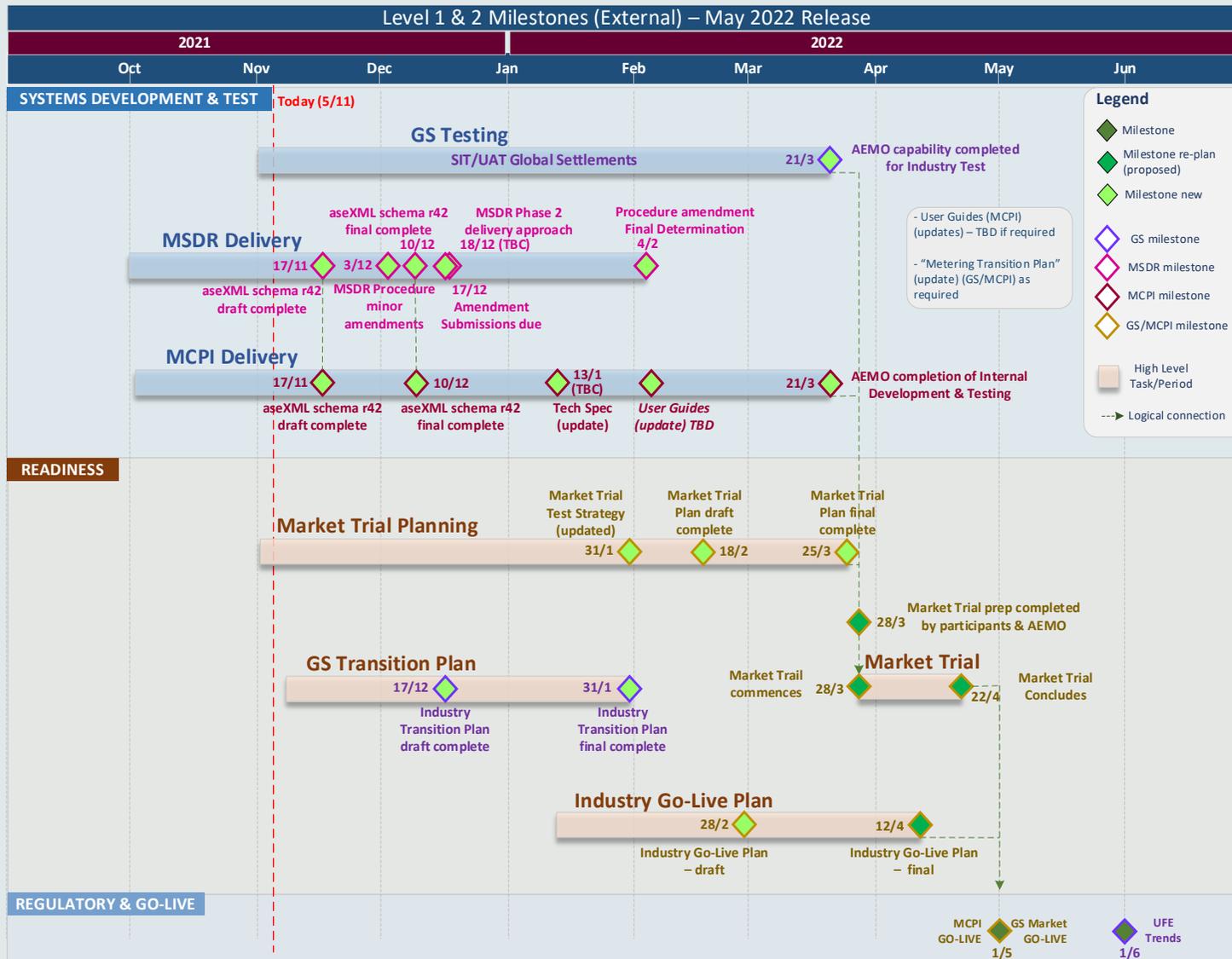
# Short-term Priorities

- Resolution of major issues, prior to the revision of associated trading weeks, to ensure optimal accuracy, including UFE
- Complete the analysis of all Local Areas to identify any material issues
- Support the completion of all residual Participant led transitional activities e.g. creation and maintenance of XBOUNDARY, NCONUML and DWHOLESALE NMIs
- Work with MDPs to achieve improved metering data quality and completeness
- Prepare for, and complete, internal development and testing of the full Global Settlement capability

# May Release Implementation Approach

Greg Minney

# May 2022 Release Timeline and implementation approach



- May Release incorporates MCPI, GS and release of r42 aseXML Schema in support of MSDR
- May Release will incorporate consolidated market trial period to exercise both MCPI and GS capability
- MSDR implementation, timings, deliverables and engagement approach to be developed for 7 November 2022 go-live
- MCPI MSDR focus group to be established to address data transition, compliance holidays, blind / scripted data updates
- Transitional activities for GS and MCPI to be incorporated into GS transition Plans and Industry Go-Live plans for May release as needed
- Given the scope of transitional requirements for May 2022, and planned tranche 2 5-minute metering rollout plans, the TFG will cease operation with transition and go-live plans addressed via the May 2022 RWG

# Next Steps and General Business

Blaine Miner

# Next Steps

- Next UFE FG meeting is expected to occur in late Jan/Feb 2022, exact date is still to be determined
- Please send through any questions or proposed agenda items to [gsmsdr@aemo.com.au](mailto:gsmsdr@aemo.com.au)
- Have a great festive season!

