

NEM Reform Electricity Wholesale Consultative Forum (EWCF)



Meeting #11
21 November 2023



1. Welcome

We acknowledge the Traditional Owners of country throughout Australia and recognise their continuing connection to land, waters and culture.

We pay respect to their Elders past, present and emerging.

Agenda

#	Time	Topic	Presenter(s)
1	1:00pm – 1:05pm	Welcome	Carla Ziser
2	1:05pm – 1:10pm	Actions & Feedback from Previous Meeting	Carla Ziser
3	1:10pm – 1:30pm	In-flight Reform Update: <ul style="list-style-type: none">• Integrated Energy Storage System (IESS)• Frequency Performance Payments (FPP)• Project Energy Connect - Market Integration (PEC-MI)	Emily Brodie Oliver Derum Nicole Nsair
4	1:30pm – 1:40pm	Other Reforms <ul style="list-style-type: none">• IDAM, IDX & PC	Ulrika Lindholm
5	1:40pm – 2:00pm	Consultation Update <ul style="list-style-type: none">• Implementation of MII changes• Regional Benefit Directions Procedures• Demand Side Participation (DSP) Forecasting Methodology and DSP Information Guidelines Consultation	Brian Nelson Nicole Nsair Nick Cimdins
6	2:00pm – 2:05pm	Procedures Consultation Roadmap	Nicole Nsair
7	2:05pm – 2:25pm	NEM Wholesale Issues & Changes <ul style="list-style-type: none">• ICF 001 – Reducing the notification period for Default Contribution Factors	Oliver Derum
8	2:25pm – 2:40pm	Upcoming Engagements <ul style="list-style-type: none">• Face to Face EWCF – 12 December 2023• NEM Reform – Program Review	Paul Johnson Monica Morona
9	2:40pm – 2:50pm	General Questions and Other Business <ul style="list-style-type: none">• NEM Reform Program – Website uplift	Carla Ziser

Appendix A: Competition law meeting protocol and AEMO forum expectations

"Please note that this meeting will be recorded by AEMO and may be accessed and used by AEMO for the purpose of compiling minutes. By attending the meeting, you consent to AEMO recording the meeting and using the record for this purpose. No other recording of the meeting is permitted"

2. Actions & Feedback from Previous Meeting

Actions & Feedback from Previous Meeting

(Item = Meeting # – Agenda # – Reference)

Item	Topic	Action	Responsible	Notes
10.7.0.1	Procedures consultation roadmap	Participants to provide feedback on the IESS procedure update approach for non-substantive changes as outlined on slide 44 of the October Implementation pack by Friday 20 October.	Participants	Closed
10.8.0.1	NEM Wholesale Change Process	AEMO to share a copy of the ICF form to participants when distributing the October meeting minutes.	AEMO	Closed

The latest meeting minutes and materials are available on the [NEM Reform Electricity Wholesale Consultative Forum](#) webpage.

3. In-flight Reform Update

Integrating Energy Storage Systems (IESS)

Emily Brodie

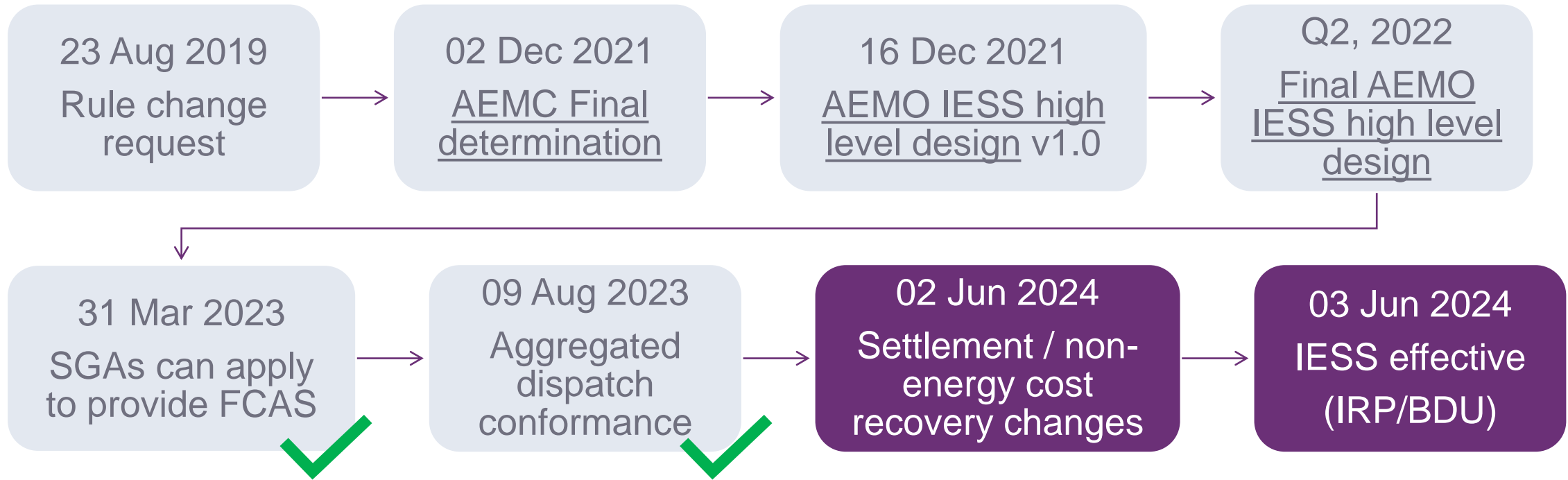
Release update

IESS is a large, complex project. To provide additional support, particularly in addressing emerging issues, AEMO’s reform ownership and business lead responsibilities are now shared:

ROLE	IESS RETAIL & SETTLEMENT 02 Jun 2024	IESS IRP & BDU 02/03 Jun 2024
Reform owner	Chris Muffett	Luke Barlow
Business lead	Emily Brodie	Carla Ziser

Please continue to route all IESS enquiries to the dedicated/monitored mailbox:
IESS@aemo.com.au

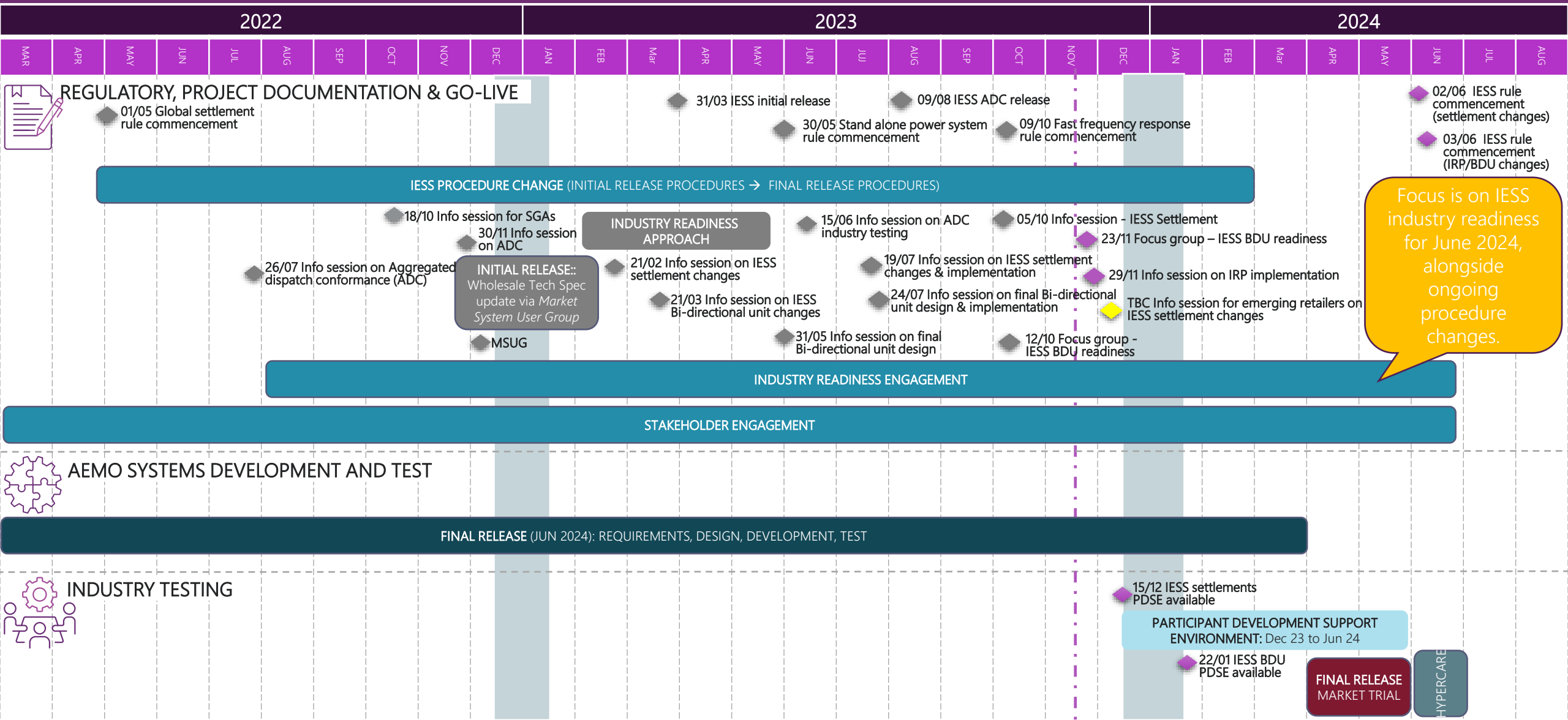
IESS: High-level Timeline



SGA	Small generation aggregator
FCAS	Frequency control ancillary service/s
IRP	Integrated resource provider
BDU	Bi-directional unit

- REFERENCES**
- [AEMC IESS rule change](#)
 - [AEMC Implementing IESS rule change](#)
 - [AEMO IESS High Level Design and Implementation Strawperson](#)
 - [AEMO IESS Participant Toolbox](#)

IESS – Indicative Industry Timeline



Focus is on IESS industry readiness for June 2024, alongside ongoing procedure changes.

IESS Confirmed
IESS Indicative

Concurrent initiatives
Completed activities

Summer holiday periods: Avoid industry IESS activities where possible

Market trial (in pre-production): Starts 02 Apr 2024

IESS industry readiness is underway

- 4 ½ months until market trial
- 6 ½ months until go-live



INDICATIVE INDUSTRY PREPARATIONS

- Individual development and testing
- Where applicable, prepare for industry testing and market trial
- BESS participants to work with their bidding system vendor and AEMO to establish cutover timing to BDU operations

IESS workstream updates since prior meeting



IESS SETTLEMENTS



IRP & BDU

OCTOBER 2023

Tue 17 Oct	IESS Industry testing and market trial strategy published
Thu 20 Oct	Updated IESS participant impact assessment published
Mon 23 Oct	EMMS technical specification - Data model v5.3 – March 2024 *New version published, including updates to DM tables based on feedback from MSUG
Fri 27 Oct	FAQs to website
Various dates	1to1 discussions

NOVEMBER 2023

Tue 14 Nov	Fact sheet on Participant development support environment
Thu 23 Nov	BDU focus group meeting #2
Wed 29 Nov	IRP information session: <ul style="list-style-type: none"> • Approach to IRP registration processes • Market fee policy for IRPs
	1to1 discussions

DECEMBER 2023

TBC	Info session for emerging retailers on IESS settlement changes
TBC	IESS settlements additional worked examples, potential Q&A session.

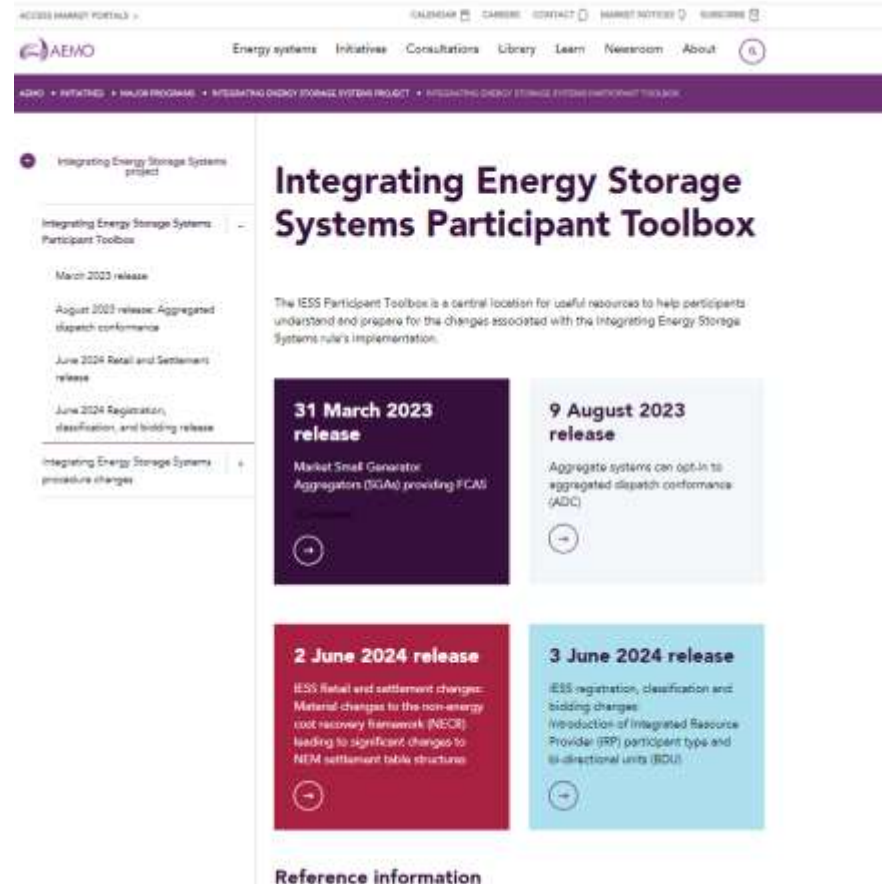


IESS material

REMINDER

Refer to the IESS participant toolbox for key project information

Refer to the IESS procedure change pages for procedure status updates



The screenshot displays the AEMO website's 'Integrating Energy Storage Systems Participant Toolbox' page. The page features a navigation menu at the top with links for 'Energy systems', 'Initiatives', 'Consultations', 'Library', 'Learn', 'Newsroom', and 'About'. Below the navigation, there is a breadcrumb trail: 'AEMO > INITIATIVES > MAJOR PROGRAMS > INTEGRATING ENERGY STORAGE SYSTEMS PROJECT > INTEGRATING ENERGY STORAGE SYSTEMS PARTICIPANT TOOLBOX'. The main content area is titled 'Integrating Energy Storage Systems Participant Toolbox' and includes a sub-header: 'The IESS Participant Toolbox is a central location for useful resources to help participants understand and prepare for the changes associated with the Integrating Energy Storage Systems rule's implementation.' Below this, there are four release cards, each with a date and a brief description of the update:

- 31 March 2023 release**: Market Smeat Generator Aggregators (SGAs) providing FCAI
- 9 August 2023 release**: Aggregate systems can opt-in to aggregated dispatch performance (ADC)
- 2 June 2024 release**: IESS Retail and settlement changes: Material changes to the non-energy cost recovery framework (NECR) leading to significant changes to NEM settlement table structures
- 3 June 2024 release**: IESS registration, classification and bidding changes: Introduction of Integrated Resource Provider (IRP) participant type and bi-directional units (BDU)

At the bottom of the page, there is a section for 'Reference information'.

I ESS project contact



I ESS@aemo.com.au



[AEMO | Integrating Energy Storage Systems project](#)

Frequency Performance Payments (FPP)

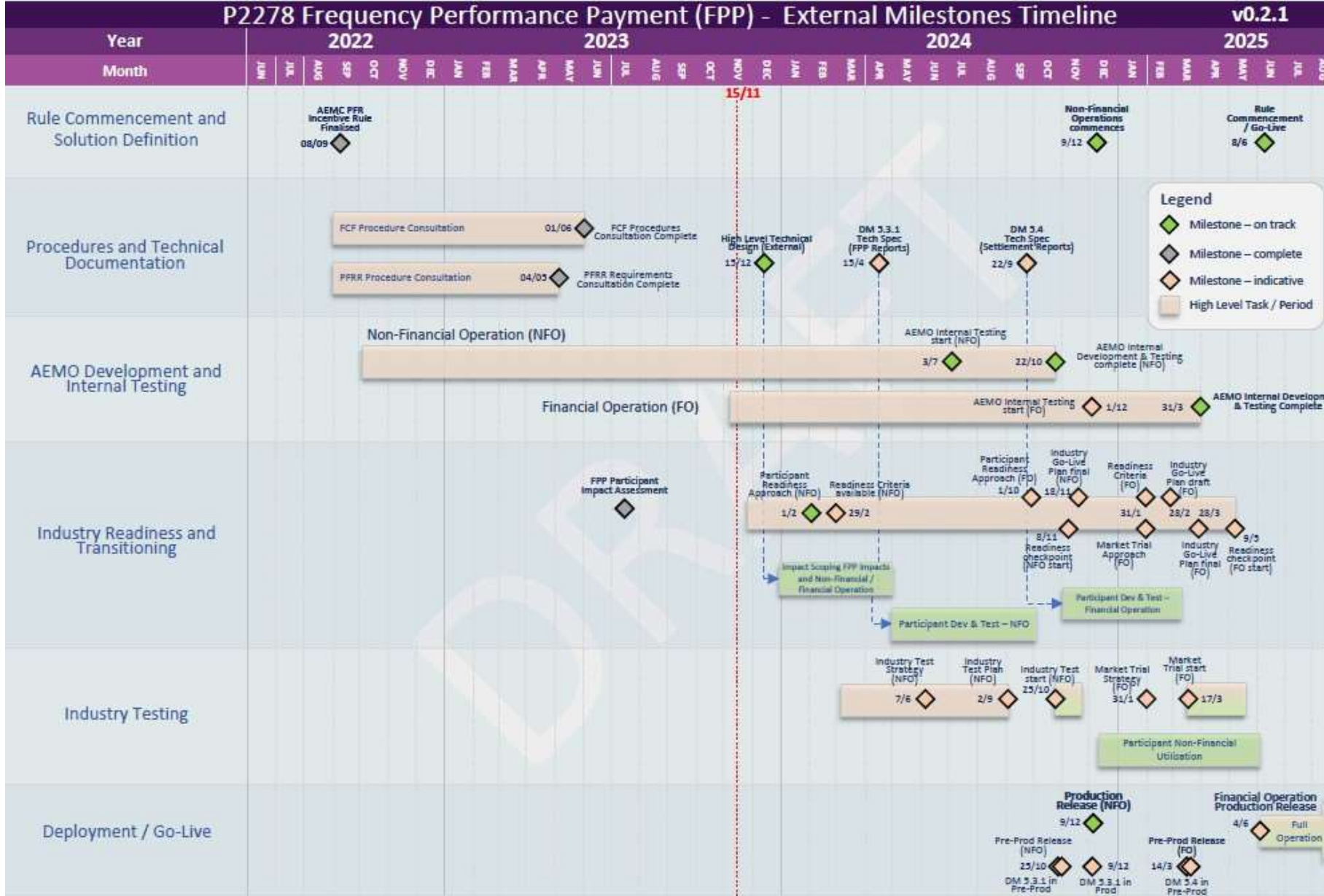
Oliver Derum

FPP November update

External reporting data model to be published in December

- AEMO will publish the FPP High-level Technical Design document on 8 December 2023.
- The High-level Technical Design will detail how AEMO will provide data to participants on the four-second measurements and calculations that have been used to produce FPP and Reg FCAS allocation outcomes in each five-minute interval.
 - This data will be provided confidentially to unit operators as soon as the calculation process is complete.
 - All data is then published to the market at the end the trading day.
- More details on this data can also currently be found in [this presentation](#) and the [Frequency Contribution Factors Procedure](#).

FPP development and testing timeline



FPP – Further Information

Frequency Contribution Factors page (contains Procedure and Tuning Parameters)

- [AEMO | Frequency contribution factors](#)

AEMO FCFP consultation page

- [AEMO | Frequency Contribution Factors Procedure](#)

FPP project page

- [AEMO | Frequency Performance Payments project](#)

AEMC rule

- [AEMC | Primary frequency response incentive arrangements](#)

Email inbox

- FPPconsultation@aemo.com.au



Project Energy Connect - Market Integration (PEC-MI)

Nicole Nsair

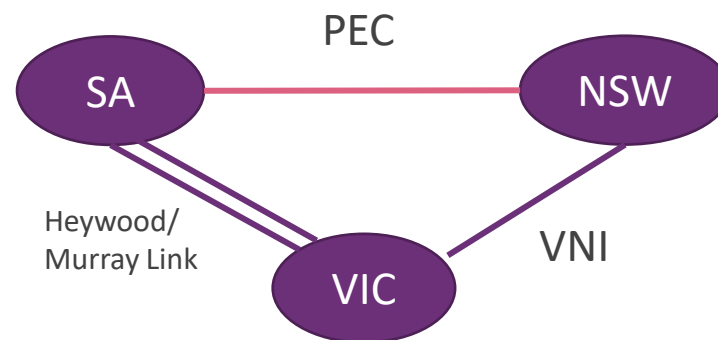
Project Energy Connect – Market Integration

Directions Paper Consultation underway

- Without changes to existing arrangements, the loop flows would result in significant disruption to market in outcomes, in particular settlement outcomes.
- Asset that isn't fully utilised

PEC – MI looks at challenges for managing:

- inter-regional settlements residues (IRSR) and
- Ongoing operation of the Settlements Residue Auction (SRA)
- Providing certainty to the market



Stakeholder Information Session

Tuesday 14 November

- Modelling results and Current Processes
- Future Approach Options
- Implications for Settlement Residue Auction to Consider
- Q&A

For a copy of slides, please email NEMReform@aemo.com.au

Feedback from Stakeholders

- SRC meeting on 3 November
 - Very engaged discussion
 - Supportive of AEMO's proposal to continue Settlement Residue Auction, with provisions in the Auction Participation Agreement (APA) for cancelling units
- Stakeholder Information Session on 14 November
 - Very informative discussion from participants
 - AEMO will use the comments from the session and the formal submissions in our Final Report
 - Please consider sending in a formal submission and include any data or modelling that will assist AEMO in final decision making

PEC Market Integration Directions Paper Consultation

Consultation Activity	Indicative Date	Status
Directions Paper published	1 November 2023	Completed
Settlement Residue Committee Meeting	Friday 3 November 2023	Completed
PEC-MI Information Session	Tuesday 14 November 2023	Completed
EWCF	Tuesday 21 November 2023	
Submissions and Feedback	Friday 1 December 2023	
Final Recommendations published	Thursday 21 December 2023	

Link to website <https://www.aemo.com.au/consultations/current-and-closed-consultations/project-energy-connect-market-integration-paper>

For more information, please contact NEMReform@aemo.com.au

4. Other Reforms

IDAM, IDX and PC

Ulrika Lindholm

Industry Consultation Update

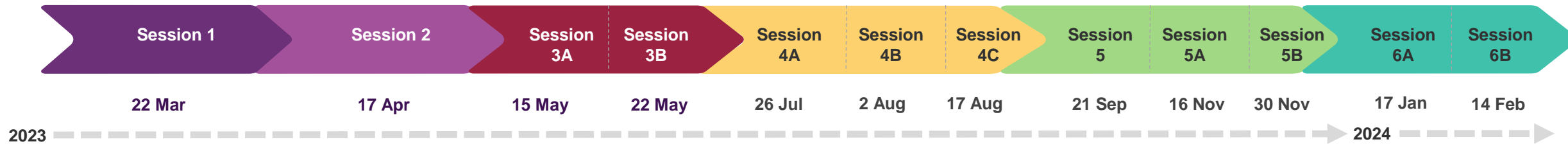
Preparation of business case continues.

- AEMO has received ten stakeholder contributions to the costing exercise. Six detailed industry cost estimates and four high level estimates received (as of 16 October).
- Additional industry workshops scheduled, allowing additional time and focus on cost and approach for AEMO and industry, reflecting the high level of interest in the topic.
- AEMO aims to publish draft business case on 8 December.

Published information and materials:

- Focus Group webpage: <https://aemo.com.au/en/consultations/industry-forums-and-working-groups/list-of-industry-forums-and-working-groups/nem-reform-foundational-and-strategic-initiatives-focus-group>
- Any queries can be directed to NEMReform@aemo.com.au

Timing is indicative. Additional engagement with Executive forum may be required depending on extent of consensus.



Session	Introduction	Discovery	Target State	Transition Strategy	Cost & Method	Business Case
Agenda	<ul style="list-style-type: none"> • Introduce initiatives • Outline workshop plan 	<ul style="list-style-type: none"> • Pain points and benefits • Survey 	<ul style="list-style-type: none"> • Concept walkthrough • Survey 	<ul style="list-style-type: none"> • Transition Strategy • Impacts & Benefits • Survey 	<ul style="list-style-type: none"> • Industry and AEMO costs • Assumptions, options and methodology 	<ul style="list-style-type: none"> • Walkthrough of draft business case • Assessment and completion

5. Consultation Update

Implementation of MII changes

Brian Nelson

Implementation update



- Final report and determination [published](#) on 5 July 2023.
- Uniform, 500 MW/FCAS service/region trigger thresholds.
- Internal testing, process documentation update and training underway.
- AEMO will communicate reminders on go live via AEMO Communications e-mail and market notices.

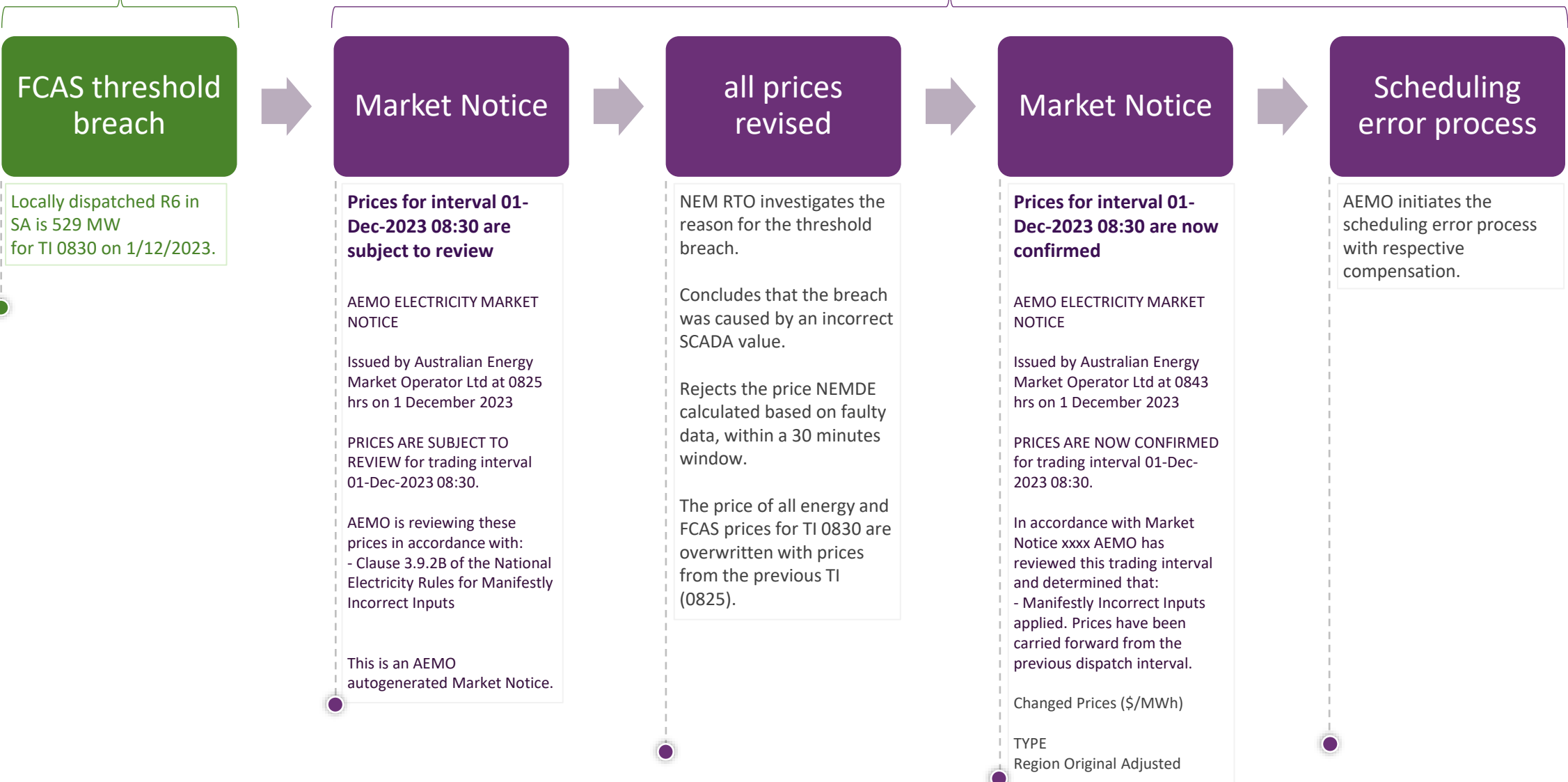
Important to note

- AEMO's previous investigation showed that in **2022 the dispatched FCAS threshold would have triggered 2 times**. Both instances would have been genuine.
- Implementation doesn't require participants to do anything differently from current practices.

Worked example of the new trigger

newly introduced trigger

no change to existing high level processes



FCAS threshold breach

Locally dispatched R6 in SA is 529 MW for TI 0830 on 1/12/2023.

Market Notice

Prices for interval 01-Dec-2023 08:30 are subject to review

AEMO ELECTRICITY MARKET NOTICE

Issued by Australian Energy Market Operator Ltd at 0825 hrs on 1 December 2023

PRICES ARE SUBJECT TO REVIEW for trading interval 01-Dec-2023 08:30.

AEMO is reviewing these prices in accordance with:

- Clause 3.9.2B of the National Electricity Rules for Manifestly Incorrect Inputs

This is an AEMO autogenerated Market Notice.

all prices revised

NEM RTO investigates the reason for the threshold breach.

Concludes that the breach was caused by an incorrect SCADA value.

Rejects the price NEMDE calculated based on faulty data, within a 30 minutes window.

The price of all energy and FCAS prices for TI 0830 are overwritten with prices from the previous TI (0825).

Market Notice

Prices for interval 01-Dec-2023 08:30 are now confirmed

AEMO ELECTRICITY MARKET NOTICE

Issued by Australian Energy Market Operator Ltd at 0843 hrs on 1 December 2023

PRICES ARE NOW CONFIRMED for trading interval 01-Dec-2023 08:30.

In accordance with Market Notice xxxx AEMO has reviewed this trading interval and determined that:

- Manifestly Incorrect Inputs applied. Prices have been carried forward from the previous dispatch interval.

Changed Prices (\$/MWh)

TYPE
Region Original Adjusted

Scheduling error process

AEMO initiates the scheduling error process with respective compensation.

Regional Benefit Directions Procedures



Nicole Nsair

Overview of the Procedures

- The proposed [Regional Benefit Directions Procedures](#) made under NER 3.15.8(b2) describe the process AEMO uses to determine the benefit each region receives from a direction, known as the regional benefit factor (RBF).
- Regional benefit factors affect direction compensation recovery amounts from participants.
- Submissions closed on 7 November 2023.

Consultation update

- Received 2 submissions
 - Considers operational demand as a proxy for the calculation of regional benefit factors for cost recovery when a direction is issued to address a problem that affects multiple regions
 - Considers how additional variable renewable energy generation arising from essential system services (ESS) can be part of regional benefit cost recovery
- AEMO is reviewing these submissions and will formally respond in the Final Report, due 19 December 2023

For more information, please email NEMIntervention@aemo.com.au

Demand Side Participation (DSP) Forecast Methodology and DSP Information Guidelines consultations



Nick Cimdins

Overview of the consultations

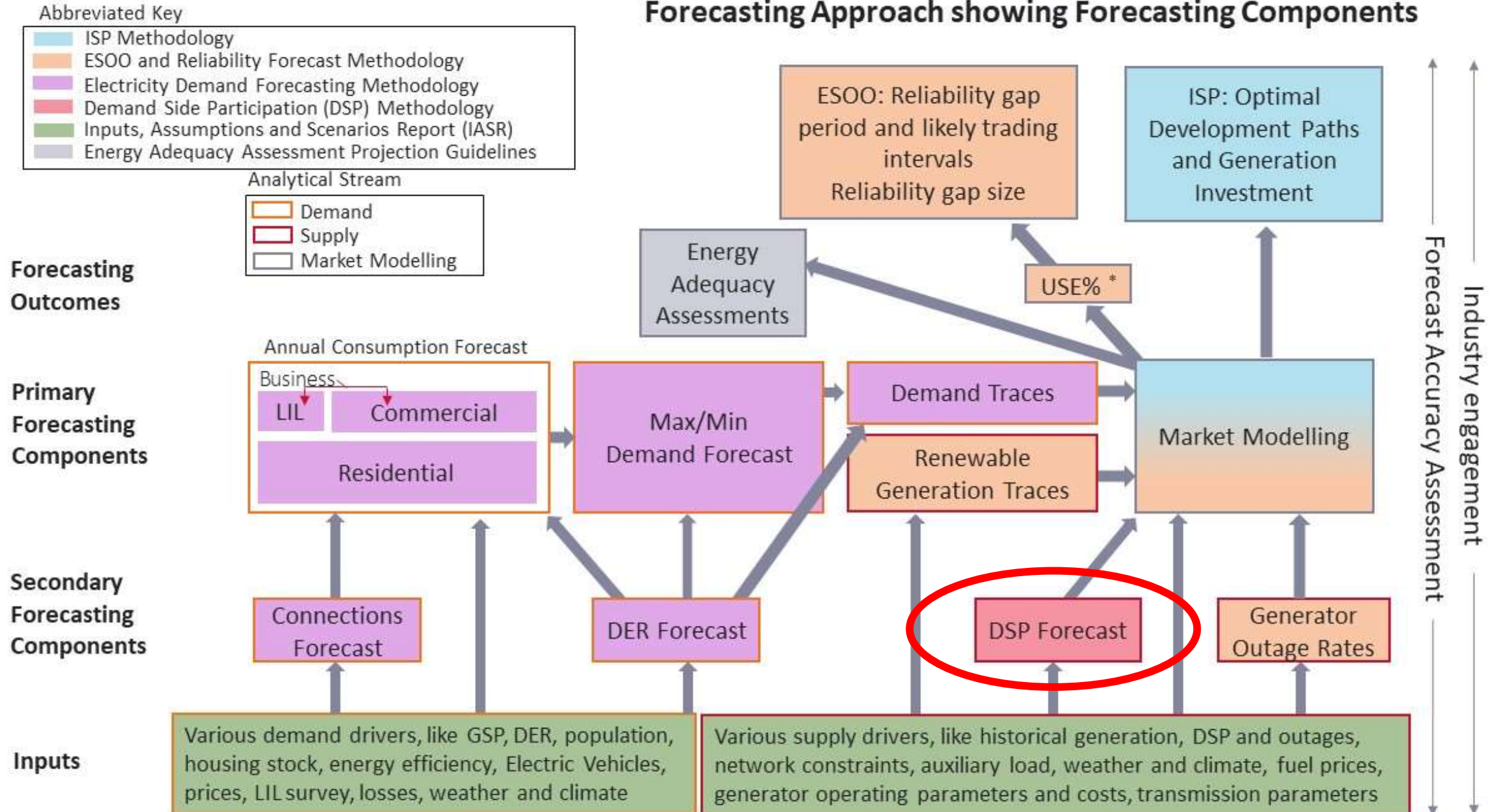
AEMO is currently consulting on:

- Demand Side Participation (DSP) Forecasting Methodology in accordance with the Australian Energy Regulator's (AER) Forecasting Best Practice Guidelines consultation procedure.
- Demand Side Participation Information (DSPI) Guidelines in accordance with the National Electricity Rules (NER) consultation process in NER clause 8.9.

Consultation documents can be found here:

- [AEMO | Demand Side Participation \(DSP\) Forecasting Methodology and DSP Information Guidelines Consultation](#)

Forecasting Approach showing Forecasting Components



* See also Reliability Standard Implementation Guidelines

AEMO's proposals

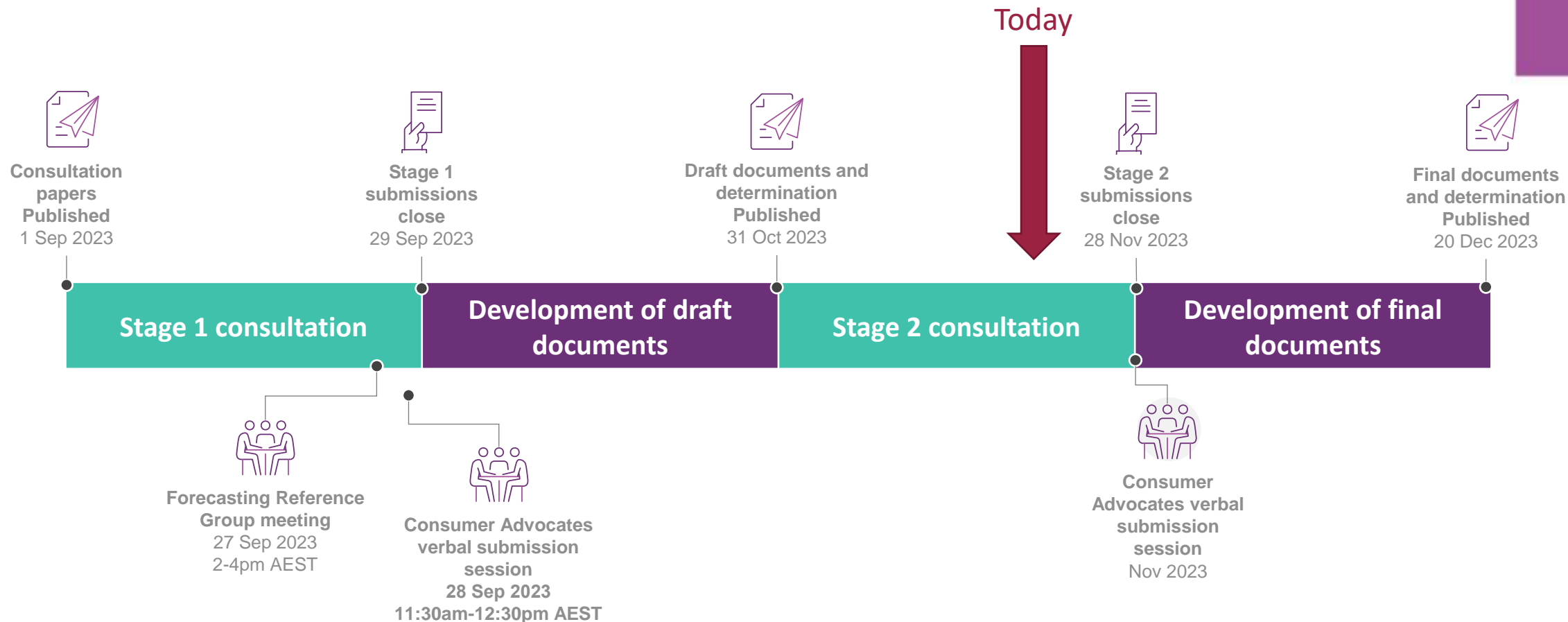
DSP Forecast Methodology

- Price triggers now for a range rather than estimates for prices above a certain point.
- Reduce number of price triggers analysed to have more data points per trigger to base estimates on.
- Clarification that use of “3 years of historical data” is a minimum, and more will be used if needed.

DSP Information Guidelines

- Add duration of DSP responses as a non-mandatory data field.
- Enhanced information to be collected about “load-on” type DSP.
- Keep portal open all year.
- Look for improvement opportunities in portal interface and use of webinars to guide DSP classification.

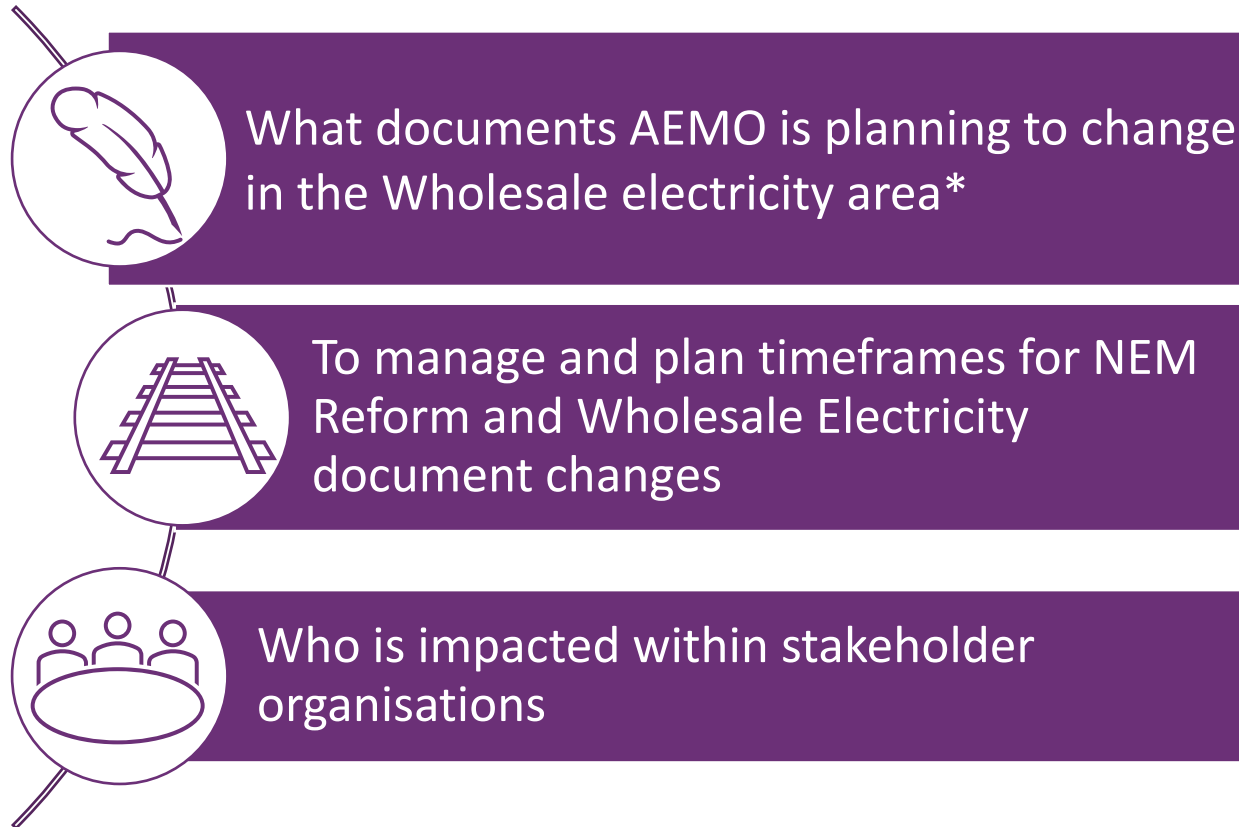
Consultation information



AEMO invites written submissions from interested persons on the draft proposal and issues identified in this draft report to energy.forecasting@aemo.com.au by 5:00 pm (Melbourne time) on 28 Nov 2023.

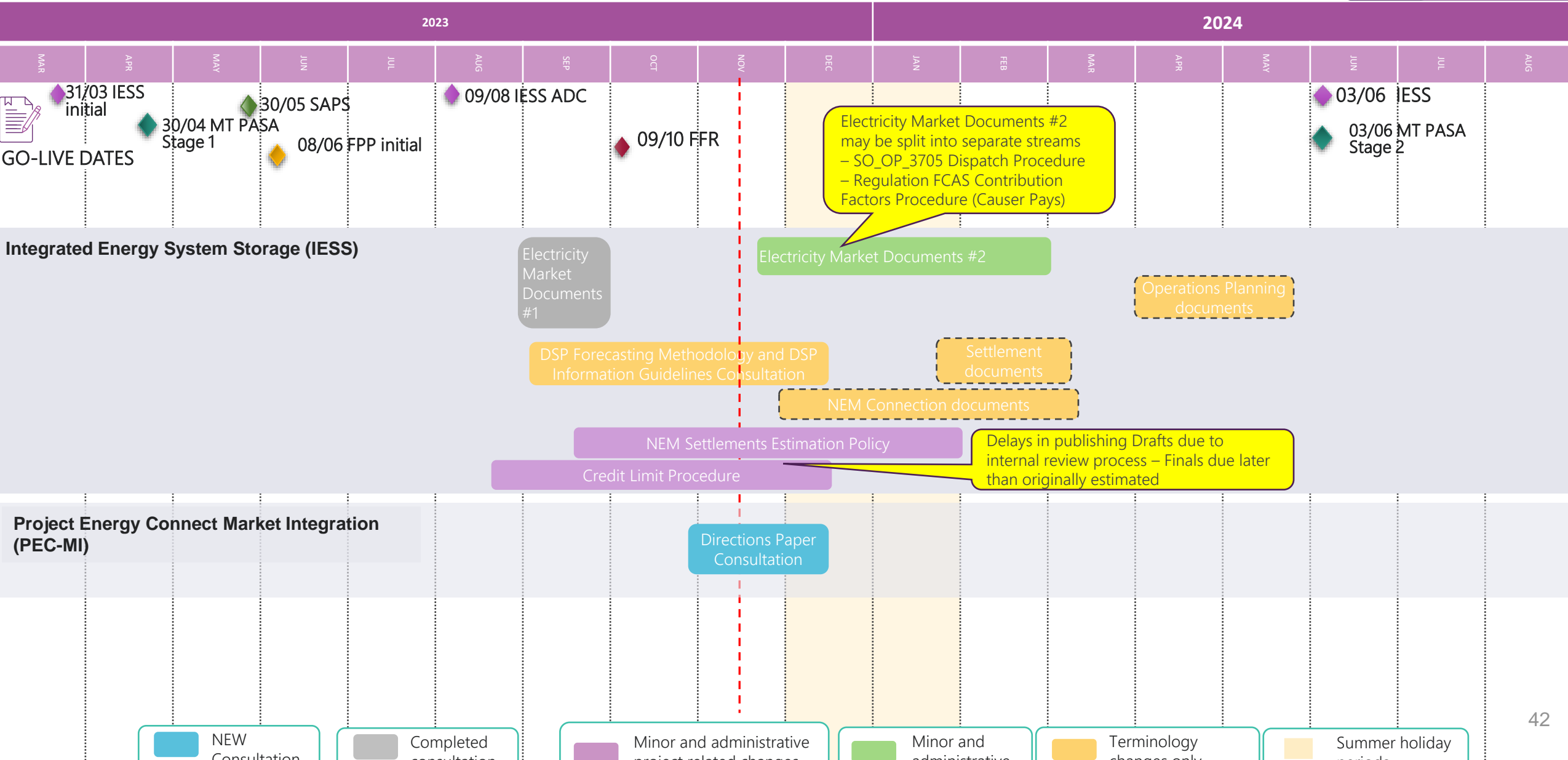
6. Procedures Consultation Roadmap

Procedures Consultation Roadmap



*Retail procedure changes are discussed through the Electricity Retail Consultative Forum (ERCF)

Reform Indicative Consultation Timelines



Consultation Timelines – Reform Inflight projects

In-flight projects	Consultation packages*	Consultation Type	Key dates
Integrated Energy System Storage (IESS)	Credit Limit Procedure	Standard (terminology update for IESS)	Draft Procedure published – 10 Nov 2023 Second round submissions due – 27 Nov 2023
	NEM Settlements Estimation Policy	Standard (terminology update for IESS)	Draft Procedure published – 17 Nov 2023 Second round submissions due – 15 Dec 2023
	DSP Forecasting Methodology and DSP Information Guidelines Consultation	Standard (terminology update for IESS)	Draft determination and reports published- 31 Oct 2023 Stage 2 submissions due - 28 Nov 2023
	Electricity Market Documents #2	Minor and administrative (BDU Design update for IESS)	Commencement – Dec 2023 Note: these documents might be split depending on teams' availabilities to finalise changes
	Operations Planning documents	Terminology update for IESS	Commencement – April 2024
	NEM Connections documents	Terminology update for IESS	Commencement – Q1 2024
	Settlement documents	Terminology update for IESS	Commencement – Q1 2024
Project Energy Connect – Market Integration (PEC-MI)	Directions Paper	Consultation on methodology	Submissions close – 1 Dec 2023 Final Report publish – 21 Dec 2023

Indicative Change Program Webpage

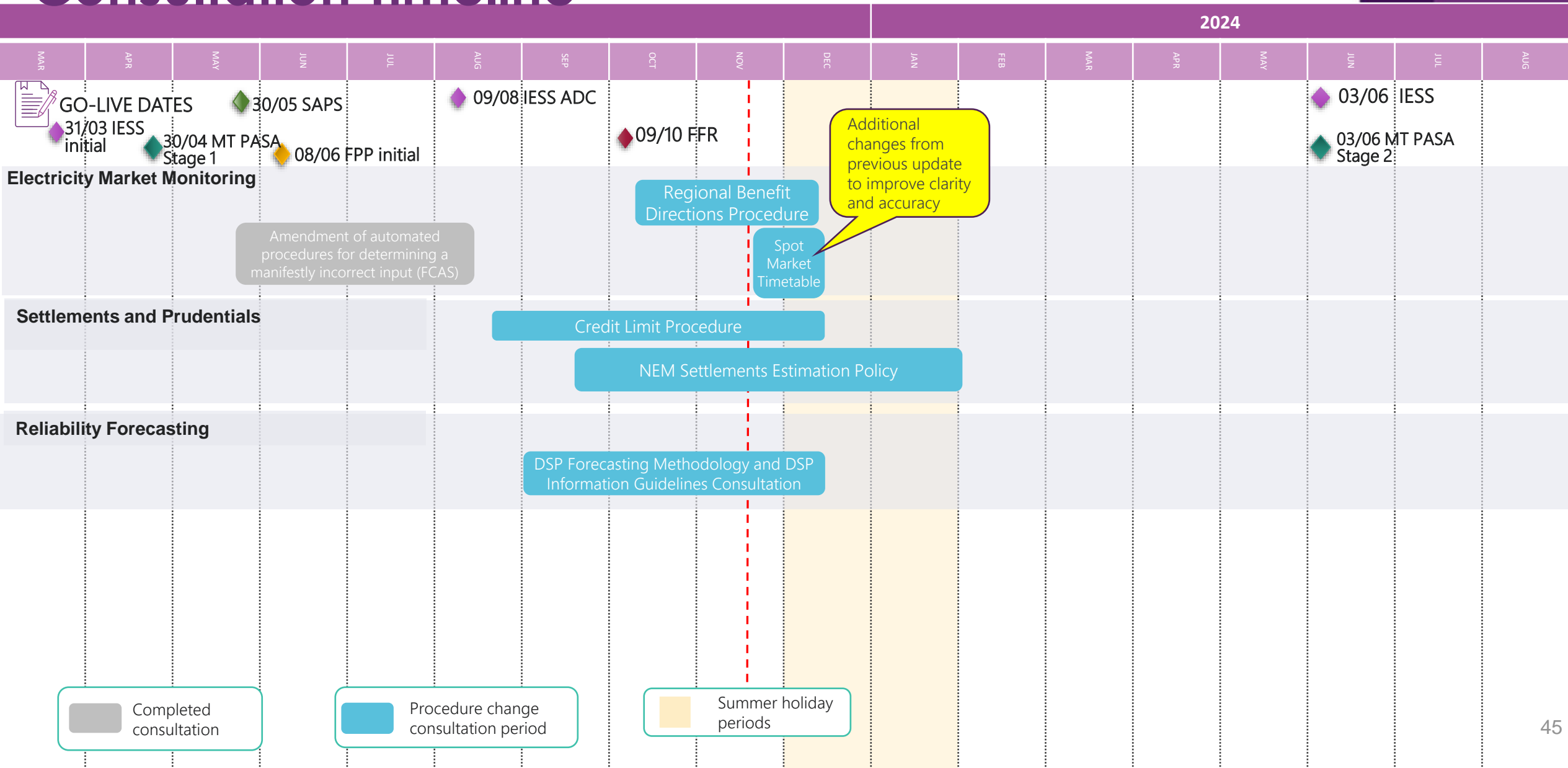
<https://www.aemo.com.au/initiatives/major-programs/integrating-energy-storage-systems-project/integrating-energy-storage-systems-procedure-changes/indicative-change-program>

IESS procedure update approach for non-substantive changes

- In the October meeting we asked participants what extent do participants see value in maintaining the feedback exercise and why
- Thank you for the feedback

- All necessary IESS *standard* consultations are complete or underway
 - 2 currently under consultation
- One lighter touch consultation coming up – changes to implement BDU Design
- Remaining documents need IESS terminology updates only (non-substantive changes)
- AEMO will continue with tiered approach to making IESS updates to market procedures with:
 - Lighter touch consultation for minor and administrative or terminology changes supported by notification to participants once these are published.

AEMO Wholesale Electricity INDICATIVE Consultation Timeline



7. NEM Wholesale Issues & Changes

ICF Register

ICF #	Description	Status
1	Reducing the notice period for Default Contribution Factors (DCFs)	Submitted – for initial discussion

ICF-1: Reducing the notice period for Default Contribution Factors (DCFs)

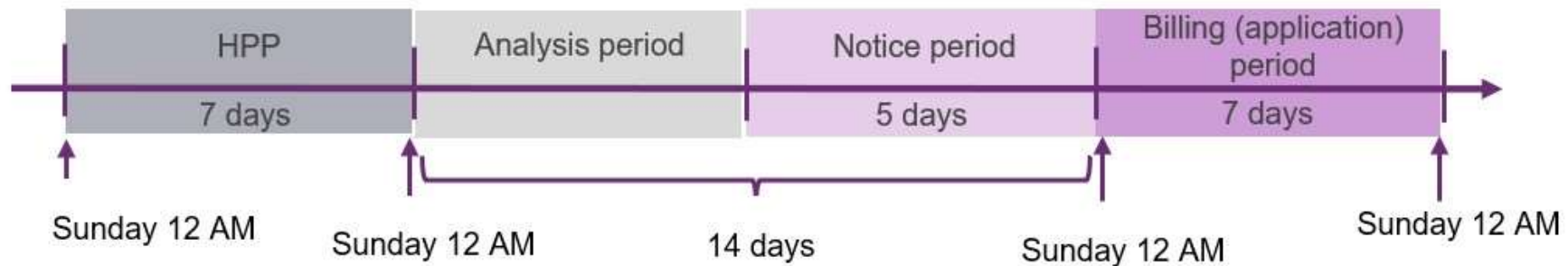
Under reforms to take effect from 8 June 2025, DCFs will be applied in:

1. Unused Reg FCAS cost allocation.
2. Used Reg FCAS cost allocation and Frequency Performance Payments (FPP) *only when* the performance of a unit cannot be calculated in a trading interval (because SCADA data has not been received or is deemed to be of poor quality).

Separate raise and lower DCFs are calculated for each unit by averaging performance (impact on system frequency) over a Historical Performance Period.

Historical Performance Period (HPP) and notice period

- AEMO’s final Frequency Contribution Factors Procedure provides for a seven-day HPP, followed by an analysis period and the mandatory notice period. (AEMO had proposed a 28-day HPP; this was reduced in response to feedback.)
- Under NER 3.15.6AA(i), AEMO must publish any data that will be used to determine default contribution factors at least five days before the billing period in which the contribution factor will apply.



The proposed change is to reduce the notice period to one day.

AEMO is seeking input from participants to more fully consider and agree on the intended effect of a rule change proposal.

New ICFs

- New ICFs are welcomed and can be sent to NEMReform@aemo.com.au
- The change process will be tailored and refined as wholesale issues/changes are submitted – this will be captured in a change process document similar to that used for the ERCF:
https://aemo.com.au/-/media/files/stakeholder_consultation/working_groups/retail_meetings/ercf/2020/ercf-change-process.pdf?la=en

8. Upcoming Engagements

Upcoming Engagements

NOVEMBER 2023 DECEMBER 2023 JANUARY 2024

- IESS BDU Transition Focus Group (**monthly**)
- RDC Collaborative Workshop; (**1 November**)
- PCF: (**8 November**)
- Foundational & Strategic business case workshops (**16 November**)
- EWCF: (**21 November**)
- ERCF: (**27 November**)
- MSUG: (**28 November**)
- RDC Meeting: (**28 November**)
- Implementation Forum (**28 November**)
- Foundational & Strategic business case workshops (**30 November**)
- ITWG: (**30 November**)

- IESS BDU Transition Focus Group (**monthly**)
- Executive Forum (**6 December**)
- PCF (**13 December**)
- EWCF (**19 December**)

AEMO have not scheduled any Forums for January 2024

Stakeholder enquiries and forum nominations may be sent to:
NEMReform@aemo.com.au.

Glossary

- ERCF:** Electricity Retail Consultative Forum
- EWCF:** NEM Reform Electricity Wholesale Consultative Forum
- IESS:** Integrating Energy Storage Systems
- ITWG:** Industry Testing Working Group
- MSUG:** Market Systems Users Group
- PCF:** NEM Reform Program Consultative Forum
- RDC:** NEM Reform Delivery Committee

- To learn more about these events, please visit AEMO's [Industry meeting calendar](#) or contact the program at NEMReform@aemo.com.au.
- To learn more about AEMC calendar activities, please visit the [AEMC calendar](#).

Upcoming engagements

November						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

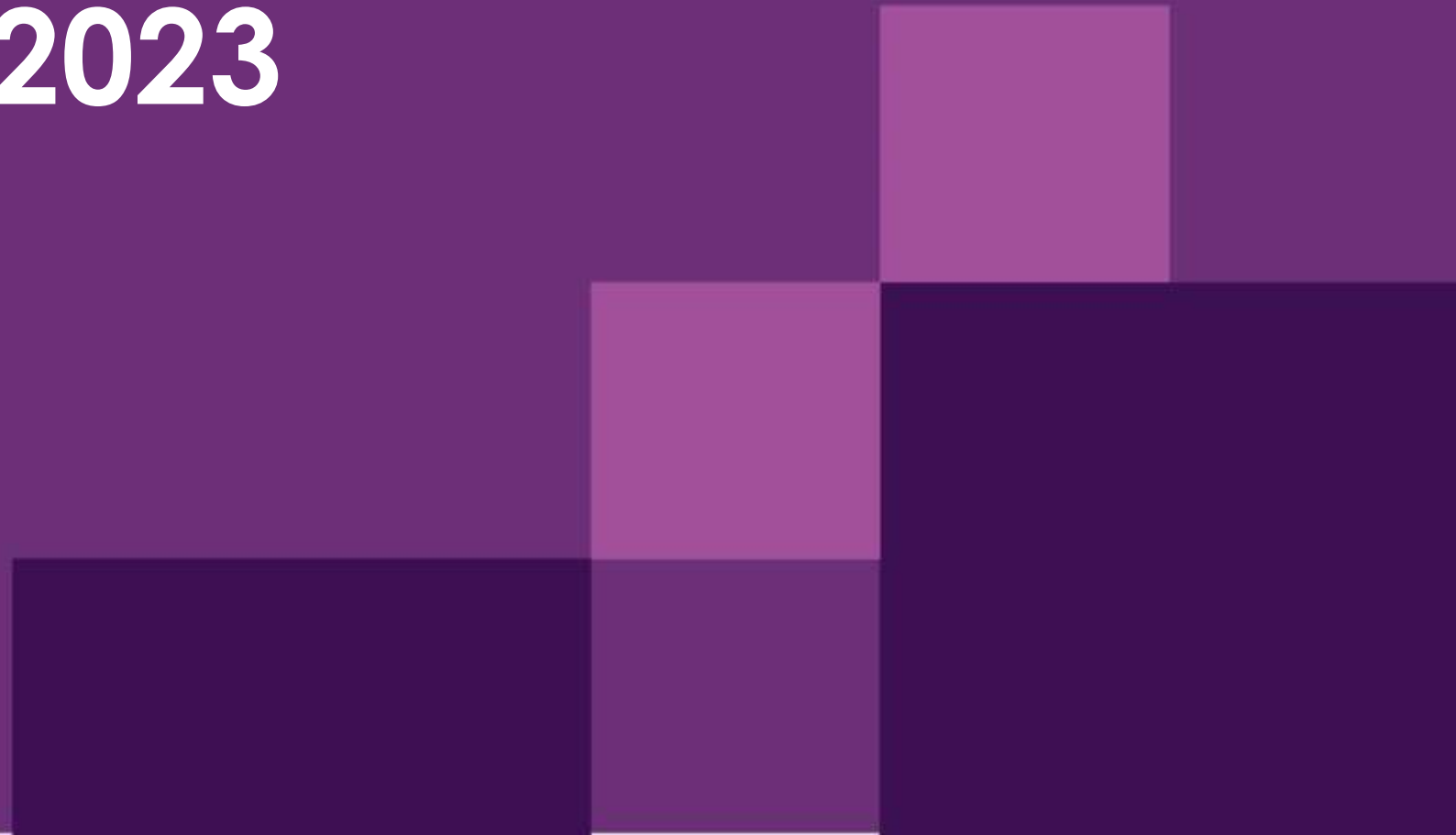
December						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

NEM Reform Program Committees/Forums/Working Groups	
NEM Reform Program Consultative Forum	
NEM Reform Delivery Committee	
NEM Reform Delivery Committee - Collaborative Workshop	
NEM Reform Implementation Forum	
NEM Reform Electricity Wholesale Consultative Forum	
NEM Reform Executive Forum	
NEM Reform Industry Testing Working Group	
Foundational and Strategic Initiatives Focus Group	
Other Forums	
Electricity Retail Consultative Forum	
Other	
State/Territory Public Holiday	
AEMO Office Closed	

Note: All NEM Reform related committees, forums and working group invitations for CY2024 have been issued and are referenced on [AEMO's industry calendar](#).



Face to Face EWCF - December 2023



EWCF - December 2023

1.00pm to 3.00pm (AEDT) Tuesday 12 December 2023

AEMO Sydney Office – Level 19, 20 Bond Street, Sydney.

AEMO Melbourne Office – Level 12, 171 Collins Street, Melbourne

AEMO Brisbane Office – Level 10, 10 Eagle Street, Brisbane

#	Time	Topic	Presenter(s)
1	1.00pm – 1.05pm	Welcome	Chris Muffett
2	1,05pm – 1.15pm	Actions & Feedback from Previous Meeting	Chris Muffett
3	1.15pm – 1.45pm	A look at the year gone by - 2023 <ul style="list-style-type: none">• SAPS• Fast Frequency Response (FFR)• Enhancing information in MT PASA• Integrated Energy Storage System (IESS)• Frequency Performance Payments (FPP)	Chris Muffett Carla Ziser Chris Muffett Emily Brodie Oliver Derum
4	1.45pm – 2.15pm	Stakeholder perspective of EWCF and NEM Reform Program	3 Stakeholder Volunteers
5	2.15m – 2.45pm	A look at the year ahead - 2024 <ul style="list-style-type: none">• Integrated Energy Storage System (IESS)• Frequency Performance Payments (FPP)• PEC - MII• IDAM, IDX & PC	Emily Brodie / Carla Ziser Oliver Derum Nicole Nsair Ulrika Lindholm
6	2.45pm – 3.00pm	Questions and Afternoon Tea	All



NEM Reform Program Review

NEM Reform Program – 2023 Review

NEM Reform program 2023 – Program Review

- 2023 has been an intensive, but successful, year for Reform Delivery, deploying a large volume of reforms.
- November 2023 release was the final delivery release for this calendar year.
- Reform team taking the opportunity to:
 - reflect on our delivery process; and
 - Look for opportunities to improve the process for our 2024 delivery schedule.
- We are proposing the following:
 - Undertaking a review of our 2023 program processes to help inform 2024 delivery;
 - The review will be crafted to leverage industry insights;
 - Engagement will be tailored to each forum, noting the differing objectives of each platform;
 - The review should include, but not be limited to a review of our engagement, planning, delivery and readiness process; and
 - The data collected as part of this review will be used to inform improving our process and the shift to **Participant Delivery Facilitation in 2024**.

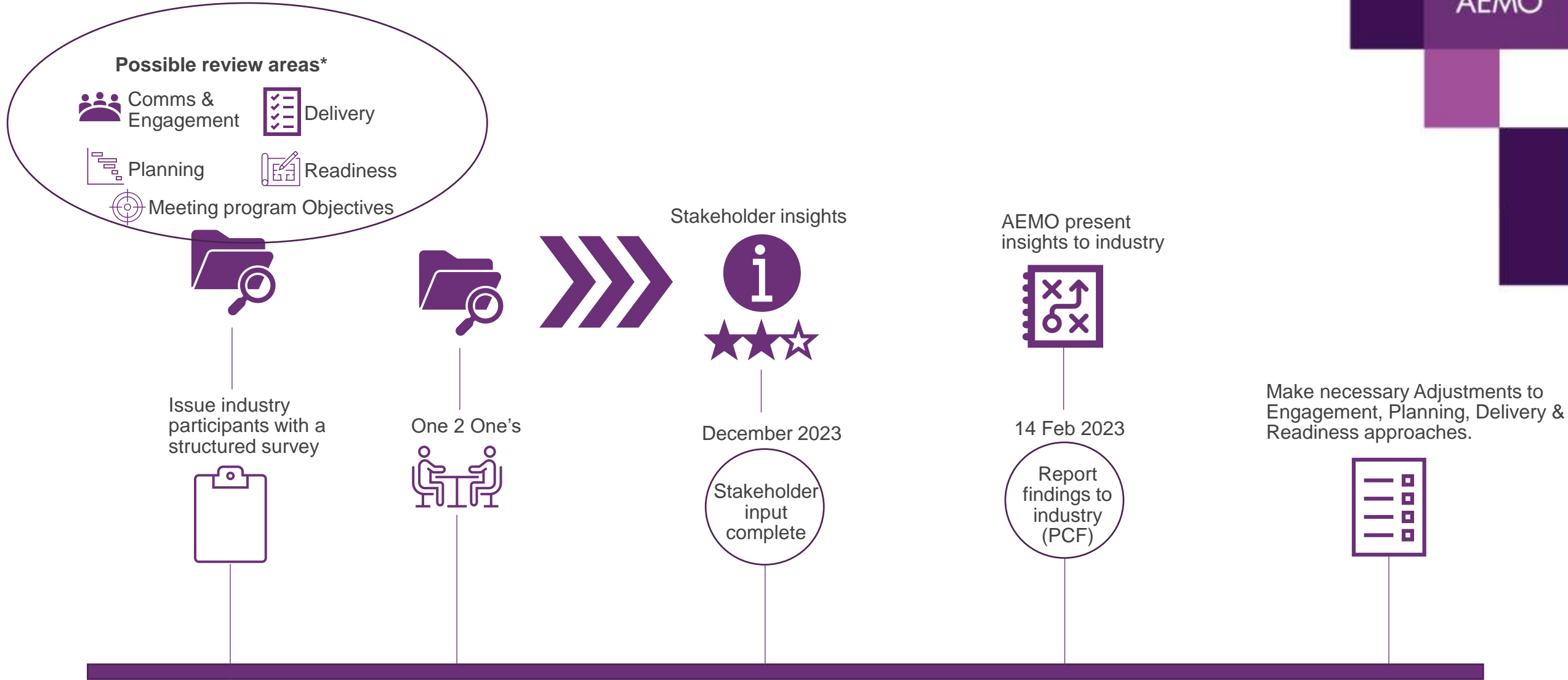
Release	Initiatives	Status
Mar-23	Integrating Energy Storage Systems (Initial release)	Delivered
	Stand Alone Power Systems (SAPS) Market Stand-Alone Power System Resource Provider (MSRP) Registration	Delivered
MAY-23	CDR (excluding LCCD)	Delivered
	B2B v3.8 and other ICFs	Delivered
JUN-23	SAPS	Delivered
AUG-23	Integrating Energy Storage Systems (ADC)	Delivered
	Fast Frequency Response - Dispatch & Reg	Delivered
OCT-23	Fast Frequency Response	Delivered
	5 Minute load profile	Delivered
	Increased MT PASA Information	Delivered
NOV-23	CDR (LCCD), CDR Ph3, MS DR compliance Holiday	Delivered



Release	Initiatives	Status
MAR-24	Metering Exemptions (MSDR)	New date On Track
JUN-24	Integrating Energy Storage Systems [Final]	Amber
SEP-24	Retail Market Improvements	TBC
DEC- 24	Frequency Performance Payments (Non-Financial)	On track
JUN-25	Frequency Performance Payments (Financial Commencement)	On track



Proposed Review Process



*See Appendix B below for a more detailed description of some of the proposed review areas.

NEM Reform Program – 2023 Review

Key considerations

- Industry views on key areas of focus for a retrospective analysis?
- Is a survey format the best approach?
- Any additional suggestions for us?



As always, please reach out to the team should you wish to provide 1 to 1 feedback.

NEMReform@aemo.com.au

9. General Questions & Other Business



NEMReform@aemo.com.au



[NEM Reform Electricity Wholesale Consultative Forum](#)



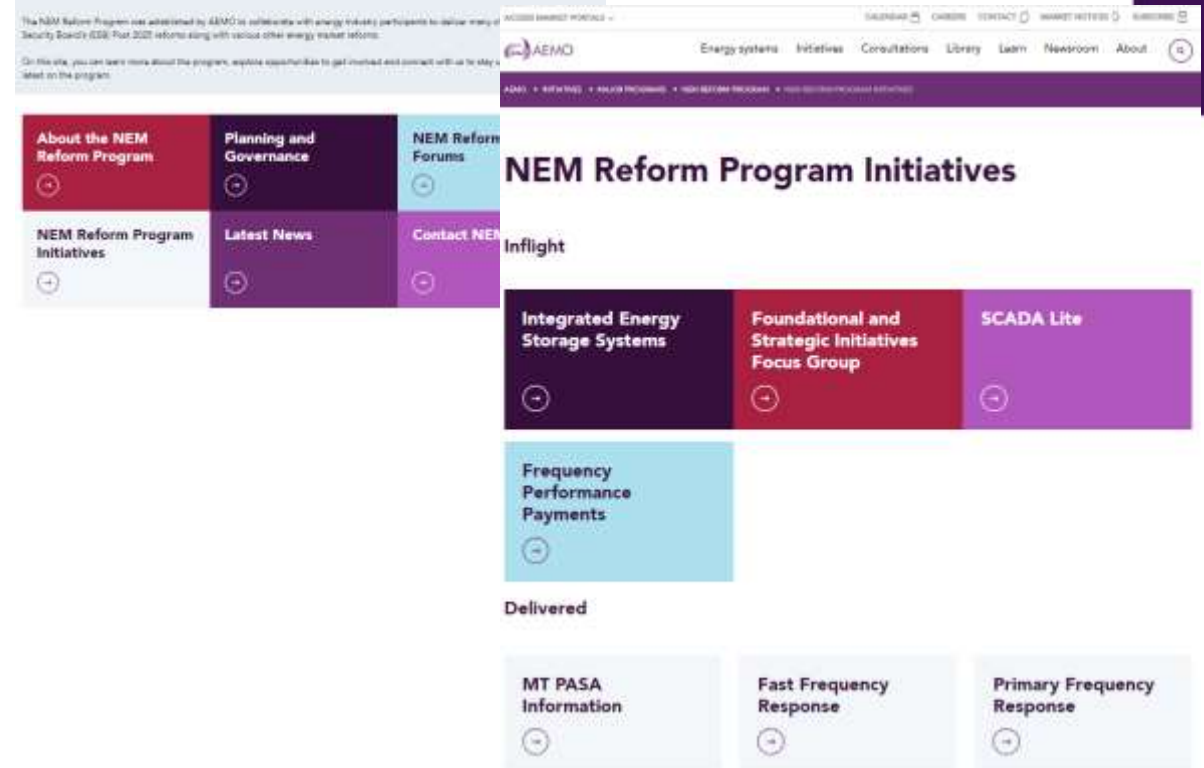
NEM Reform Program – Website uplift

Paul Johnson

NEM Reform Program – A new look

The NEM Reform program website has been updated to provide:

- improved visibility and access to information relating to Program initiatives and Forums
- Initiative and Forum webpage standardisation
- Improved visibility and access to participant support artefacts



Appendix A: Competition law meeting protocol and AEMO forum expectations

AEMO Competition Law - Meeting Protocol

AEMO is committed to complying with all applicable laws, including the Competition and Consumer Act 2010 (CCA). In any dealings with AEMO regarding proposed reforms or other initiatives, all participants agree to adhere to the CCA at all times and to comply with this Protocol. Participants must arrange for their representatives to be briefed on competition law risks and obligations.

Participants in AEMO discussions **must**:

- Ensure that discussions are limited to the matters contemplated by the agenda for the discussion
- Make independent and unilateral decisions about their commercial positions and approach in relation to the matters under discussion with AEMO
- Immediately and clearly raise an objection with AEMO or the Chair of the meeting if a matter is discussed that the participant is concerned may give rise to competition law risks or a breach of this Protocol

Participants in AEMO meetings **must not** discuss or agree on the following topics:

- Which customers they will supply or market to
- The price or other terms at which Participants will supply
- Bids or tenders, including the nature of a bid that a Participant intends to make or whether the Participant will participate in the bid
- Which suppliers Participants will acquire from (or the price or other terms on which they acquire goods or services)
- Refusing to supply a person or company access to any products, services or inputs they require

Under no circumstances must Participants share Competitively Sensitive Information. Competitively Sensitive Information means confidential information relating to a Participant which if disclosed to a competitor could affect its current or future commercial strategies, such as pricing information, customer terms and conditions, supply terms and conditions, sales, marketing or procurement strategies, product development, margins, costs, capacity or production planning.

AEMO Forum and Meeting Expectations

This charter explains expectations regarding participation and behavior in the Australian Energy Market Operator (AEMO)'s stakeholder forums.

Meeting Expectations

All participants will:

- Respect the diversity of the group.
- Speak one at a time – refrain from interrupting others.
- Share the oxygen – ensure that all attendees who wish to have an opportunity to speak are afforded a chance to do so.
- Maintain a respectful stance towards all participants.
- Listen to others' points of view and try to understand others' interests.
- Share information openly, promptly, and respectfully.
- If requested to do so, hold questions to the end of each presentation.
- Remain flexible and open-minded, and actively listen and participate in meetings.
- Abide by COVID-Safe workplace guidelines, if attending a meeting on AEMO's premises.

Roles and Responsibilities

Forum stakeholders agree to:

- Be specific and fact-based in their feedback on a specific workstream or emerging issue;
- Review and provide feedback on papers and reports;
- Relay information to their colleagues or constituents after each meeting and gather information/feedback from their colleagues or constituents, as practicable, before each meeting;
- Maintain a focus on solutions or outcomes that benefit all energy consumers.

AEMO agrees to:

- Provide technical expertise in a manner that is considerate of the audience and their level of expertise;
- Assist participants in understanding issues enough to represent their views;
- Provide all participants the opportunity to voice their views.



For more information visit

aemo.com.au