Settlement Managers Working Group

19th October 2020

Agenda

1. Welcome
   - Staff Introduction
2. Project Updates
   - Web Portal Refresh
   - 5 Minute and Global Settlements
   - Wholesale Demand Response (WDR)
   - Retailer Reliability Obligation (RRO) & Procurer of Last Resort (PoLR)
   - Declared Wholesale Gas Market (DWGM) Enhancements
3. Credit Limit Procedures – Annual Review
4. NEM Prudential Forecast
5. EMMS Settlements Direct Subscriptions
6. Early Payments
7. Prudential Dashboard – Credit Support View
8. Reallocations
9. Open Forum

Project Updates

- Web Portal Refresh
- 5 Minute (5MS) & Global Settlements (GS)
- Wholesale Demand Response (WDR)
- Retailer Reliability Obligation (RRO) & Procurer of Last Resort (PoLR)

Presented by: Stephen Harrison

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Web Portal Refresh:
Changes to the Markets Portal

The main purpose of our portal refreshes are to create a consistent and simplified way for stakeholders to connect and interact with AEMO

The changes to the Markets portal as part of the November 2020 release are:

| New colour and layout to the Log In and Landing page to be more in line with our AEMO website | Addition of Favourites functionality and menu | Addition of Notifications | Addition of Online Help capability |

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Web Portal Refresh:

New look for the Markets Portal
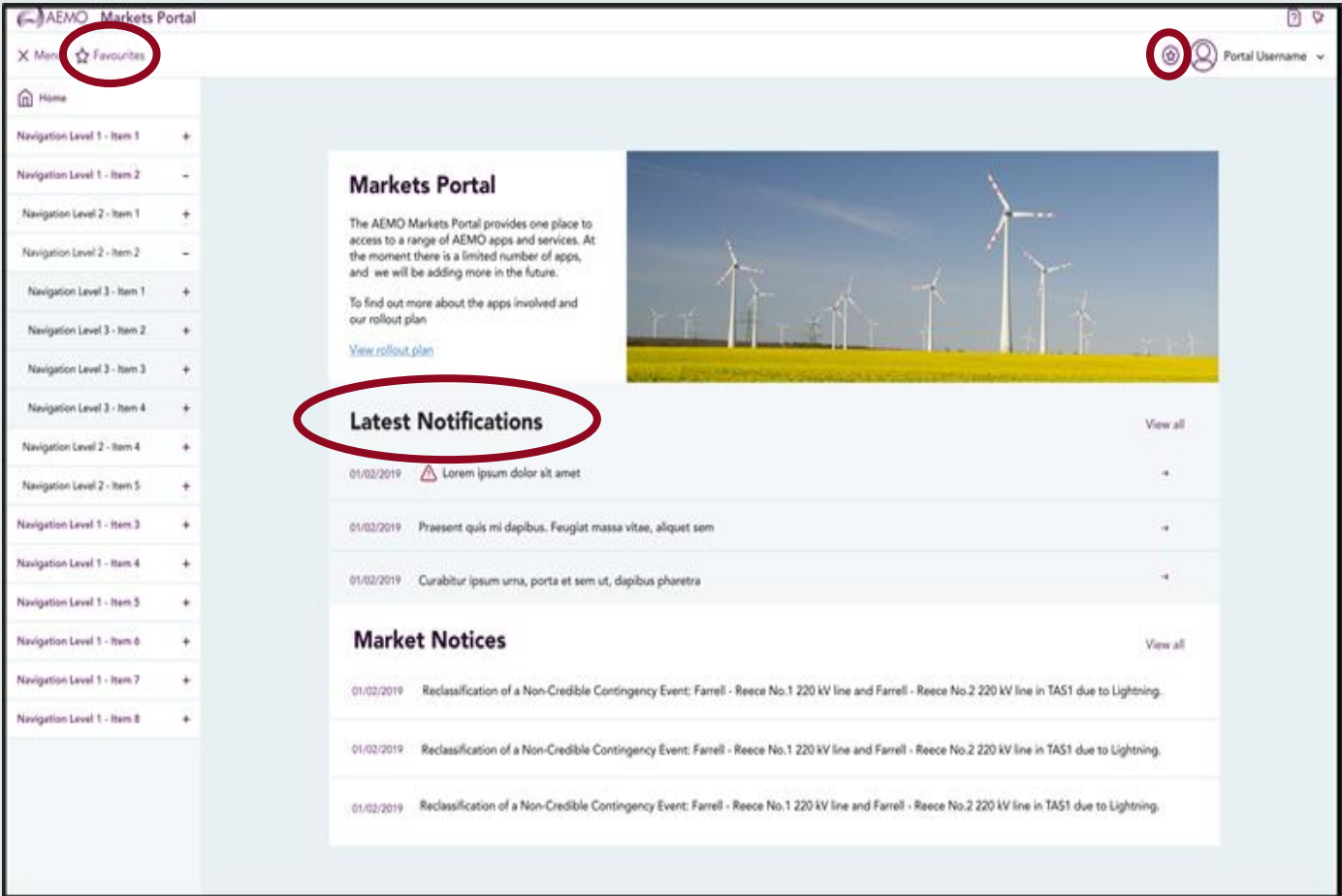
5MS & GS – Update

AEMO is working with industry to implement changes arising from an AEMC Final Determination to implement Five-Minute Settlement (5MS) and Global Settlement (GS) rules.

28 Nov 2017: AEMC made 5MS rule

5MS Program established
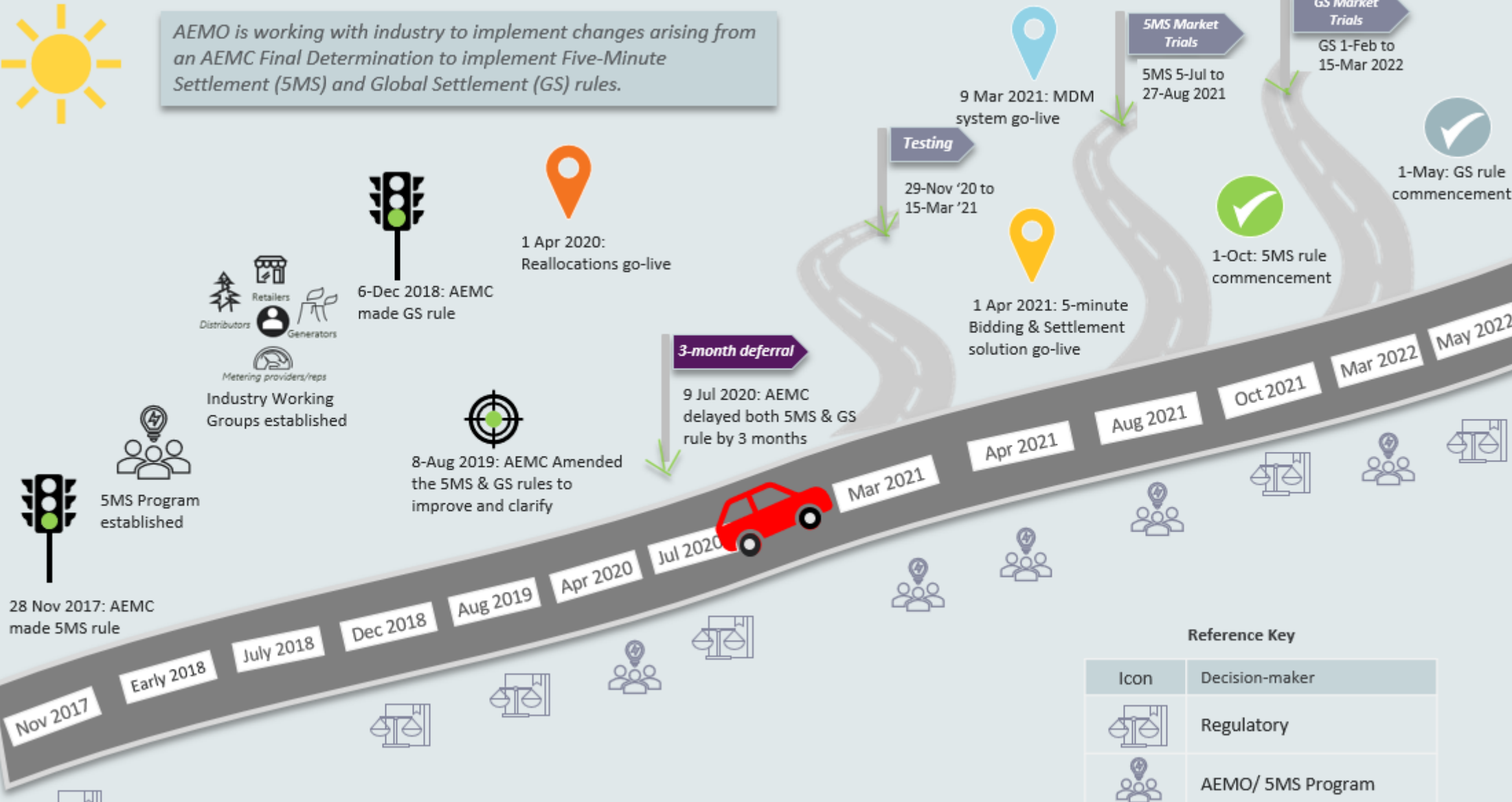
Industry Working Groups established

Retailers
Distributors
Generators
Metering providers/reps

6-Dec 2018: AEMC made GS rule

1 Apr 2020: Reallocations go-live

8-Aug 2019: AEMC Amended the 5MS & GS rules to improve and clarify

3-month deferral

9 Jul 2020: AEMC delayed both 5MS & GS rule by 3 months

Testing

29-Nov '20 to 15-Mar '21

9 Mar 2021: MDM system go-live

1 Apr 2021: 5-minute Bidding & Settlement solution go-live

5MS Market Trials

5MS 5-Jul to 27-Aug 2021

GS Market Trials

GS 1-Feb to 15-Mar 2022

1-May: GS rule commencement

1-Oct: 5MS rule commencement

Nov 2017
Early 2018
July 2018
Dec 2018
Aug 2019
Apr 2020
Jul 2020
Mar 2021
Apr 2021
Aug 2021
Oct 2021
Mar 2022
May 2022

Reference Key

Icon	Decision-maker
	Regulatory
	AEMO/ 5MS Program

https://aemo.com.au/initiatives/major-programs/nem-five-minute-settlement-program-and-global-settlement

WDR - Overview

Since we last met...

On 11th June 2020 AEMC published the Final Determination on the WDR mechanism that would allow consumers to sell demand response capacity in the wholesale market through specialist aggregators.

Key elements of the Rule include:

- A new market participant category, a demand response service provider (DRSP).
- Obligations on DRSP that as much as possible replicate those applied to other scheduled participants.
- A process for having baseline methodologies determined and applied to wholesale demand response units.
- DRSP to be settled in the wholesale market at the prevailing spot price.
- Reduced scope - Can't aggregate residential (small) customers, limited baseline methodology.
- Implementation timeframes for the mechanism with commencement on 24 October 2021 (earlier than initially proposed i.e. 1 July 2022).

https://aemo.com.au/initiatives/trials-and-initiatives/wholesale-demand-response-mechanism

WDR – Implications for Participants

- In addition to DRSPs, retailers with customers participating in WDR will be involved.
- Customers engaging in WDR will be tagged to DRSP and settled by AEMO for DR periods.
- DRSP's bid DR load and are issued dispatch instructions like generators.
- Retailers pay *pool price x baseline* (proxy for counterfactual) for participating customers.
- DRSP receives *pool price x baseline less actual demand* and pays Retailer via AEMO *wholesale contract rebate x baseline less actual demand.*
- Prudential estimates for retailers will use baseline.

Next steps …

- AEMO have engaged a consultant to assist in development of baseline methodology & will consult with participants via the WDR Technical Working Group.
- AEMO to develop guidelines as per final rule with 1st draft expected early 2021.

WDR – More information

WDR MECHANISM

https://aemo.com.au/initiatives/trials-and-initiatives/wholesale-demand-response-mechanism

- Background
- AEMO's program and industry engagement
- How to get involved
- Reference information

WDR CONSULTATIVE GROUP (Including TWG)

https://aemo.com.au/consultations/industry-forums-and-working-groups/list-of-industry-forums-and-working-groups/wdr

- Context
- Terms of reference
- Meeting calendar
- Meeting information (packs, notes etc)

WDR PROCEDURE CONSULTATIONS

https://aemo.com.au/initiatives/trials-and-initiatives/wholesale-demand-response-mechanism/wdr-procedure-and-guideline-consultations

- WDR guidelines
- Affected procedures/guidelines
- High-level impact assessments (HLIA)
- Consultation status

RRO – Overview

The Retailer Reliability Obligation (RRO) implemented under the National Electricity Amendment (Retailer Reliability Obligation) Rule 2019, supports a reliable energy system by requiring energy retailers and some large energy users to hold contracts or invest directly in generation or demand response to support reliability in the NEM.

RRO Trigger

AEMO releases the ESOO annually which identifies any *forecast reliability gaps* (i.e. potential shortfall of supply) over a 5 year outlook.

I.   T-3 instrument triggered if there is an identified regional shortfall in 3 years.

II.   T-1 instrument triggered a year out if shortfall unresolved which obligations for participants.

Liable Entities

Retailers and opt in customers

Compliance

A *compliance TI* is where the actual peak demand in a gap trading interval exceeds the one-in-two year peak demand forecast for that region.

The AER will assess a *liable entity's net contract position for compliance and determine whether they are designated as a PoLR (Procurer of Last Resort) liable entity.*

PoLR Recovery Mechanism – Overview

- The PoLR recovery mechanism seeks to allocate the costs of the Reliability and Emergency Reserve Trader (RERT) scheme on the basis of causer pays.

- PoLR allows AEMO, to recover the costs of contracting reserves that are related to a reliability gap period where there are one or more PoLR liable entities.

- Costs recovered from liable entities via the PoLR mechanism are used to offset the cost of RERT and therefore minimise costs to customers.

Since we last met...

- COAG Energy Council has agreed to adopt a New Interim Reliability Standard 0f 0.0006% USE level.
- AEMO ESOO issued August 2020 indicates possible T-3 Trigger 2023/24 in NSW (see next slide).
- Second round of POLR Procedure consultation almost complete.
- Can also reference CH4 of the NER.

RRO/PoLR Trigger Status

Figure 2 Expected unserved energy, Central scenario, 2020-21 to 2029-30

Legend:
- New South Wales
- Victoria
- Interim Reliability Measure
- South Australia
- Reliability Standard
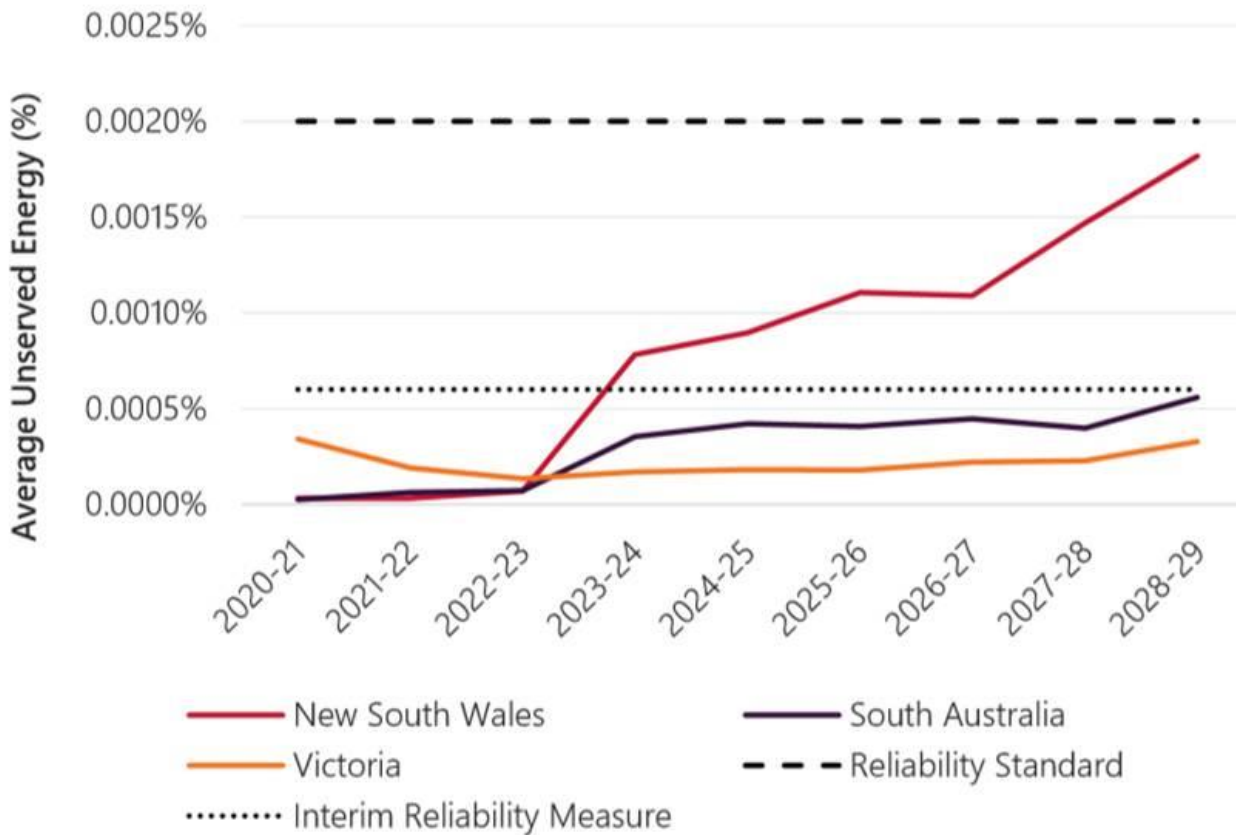
Forecast reliability gap in the reliability forecast (based on 0.0006% IRM*)

- From the 2020 ESOO forecast reliability gaps appear in NSW in 23/24 and 24/25 if based on the Interim Reliability Measure (IRM)*.

- Size of the gap in 23/24 is around 154MW in Jan/Feb work days 15:00 – 20:00.

- Reflects planned closure of Liddell.

- New generation or change in demand forecast may prevent T-1 instrument.

* IRM is subject to finalisation of rule change.

AEMC Final Rules – Effective 1st January 2023

1. DWGM improvement to AMDQ regime

https://www.aemc.gov.au/rule-changes/dwgm-improvement-amdq-regime

- Retire authorised AMDQ and AMDQ CC at the end of gas day 31 Dec 2022.
- Creates new Entry and Exit capacity certificates.

2. DWGM simpler wholesale price

https://www.aemc.gov.au/rule-changes/dwgm-simpler-wholesale-price

- Removes components of Ancillary Payments and Uplift Payments associated with authorised MDQ and AMDQ CC.
- Uplift payments will be determined as per Uplift Procedures.

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Timeline – Design and Regulatory

Market design Q2 – Q4 2020

Market Procedures – Q4 2020

Procedure Consultation – Q1 2021

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Design and Regulatory Phase

- This phase is expected to run from Q2 2020 until Q2 2021, with focus on:

    1. **Auction & capacity certificate processes**
        - Auction parameters
        - Auction clearing design
        - Payments & reporting
        - Listing & transfers of CC
        - Tie breaking and reporting

    2. **Capacity processes**
        - Modelling
        - Determining capacity available for each auction
        - Determining CC zones

    3. **Ancillary and Uplift payments**
        - Changes to AP
        - UP categories and algorithms to determine payments

- Once market design has been finalised, relevant DWGM Procedures will be developed and updated.
    - Expectation is that all consultations will run concurrently during Q1 2021.

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Market Systems and Processes

- AEMO market system & process changes will be needed to implement the rules and market procedures.

- Implementation dates will vary depending on rules requirements.
  - System capability modelling and capacity certificate zones by 31 Mar 2022.
  - Auction notices by 1 October 2022, with auction 20 business days after notices.

- AEMO will seek input from market participants on most appropriate implementation dates within NGR constraints.

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Credit Limit Procedures – Annual Review

Presented by: Katalin Foran and Cheryl Huang

NEM Prudentials – Overview (1)

- Credit Limit Procedures (CLP) – the methodology by which AEMO determines the Maximum Credit Limit (MCL) for each market participant, each season (summer, shoulder and winter).

  Maximum Credit Limit = Outstandings Limit + Prudential Margin

- MCL represents the amount of credit support, in the form of guarantees, that has to be supplied to AEMO.

- Outstandings Limit - credit support to cover liabilities for all trading periods that have occurred but not yet been paid for.

- Prudential Margin - credit support buffer intended to cover accruing liabilities while a failing retailer is removed from the market.

- In simplified terms:

  Outstandings Limit = Load x Price x Volatility Factor $_{\text{Outstandings Limit}}$ x PRAF x 35 x GST

  Prudential Margin = Load x Price x Volatility Factor $_{\text{Prudential Margin}}$ x PRAF x 7 x GST

- Please check the full version of the CLP on AEMO's website for detailed description of MCL calculations.

NEM Prudentials – Overview (2)

- Under this methodology, a statistical approach, using data from the start of the NEM is used to determine, for each season:

  - Forecast average regional price

  - Forecast outstandings limit volatility factor

  - Forecast prudential margin volatility factor

- A participants forecast load and PRAF is determined by participant data.

- The key feature of the CLP is the prudential standard, set at <u>2%.</u>

- In practical terms this means that the forecast price and volatility factors (and hence MCL requirements) are set so that there is no payment shortfall in the market in 98 out of 100 instances of a retailer defaulting on their payments and being removed from the market.

- Each year we review the CLP's effectiveness, calculating the prudential exceedance for each region (and publishing the CLP effectiveness report).

- If the 2% prudential standard isn't met, we may implement modelling changes/other changes to the CLP (consulting with participants as required).

Prudential Settings - Summer 2021

Region	P_R	$VFOSL_R$	$VFPM_R$
NSW	$63.07	1.59	3.23
QLD	$64.81	1.56	2.90
SA	$78.55	1.80	4.78
TAS	$66.84	1.58	1.77
VIC	$62.72	1.74	4.76

MCL effective date - 1 December 2020

For summer MCL calculator please see: https://www.aemo.com.au/-/media/files/electricity/nem/settlements_and_payments/prudentials/mcl-calculator-summer.xlsx

CLP News

- Shoulder 1 season as removed this year – all going smoothly. Any comments on the removal of shoulder 1?

- CLP is out for consultation currently to include the prudential treatment of Demand Response Service Providers (DRSPs) under the Wholesale Demand Response Mechanism. For consultation documents please see: https://aemo.com.au/consultations/current-and-closed-consultations/credit-limit-procedures-wdrm

- We will be publishing our annual CLP effectiveness review by the end of October 2020.

- For previous reports please see: https://www.aemo.com.au/energy-systems/electricity/national-electricity-market-nem/market-operations/settlements-and-payments/prudentials-and-payments/maximum-credit-limit

- We don't anticipate any other changes to be made to the regional model or the CLP in the next year.

Key prudential indicators – over the past year
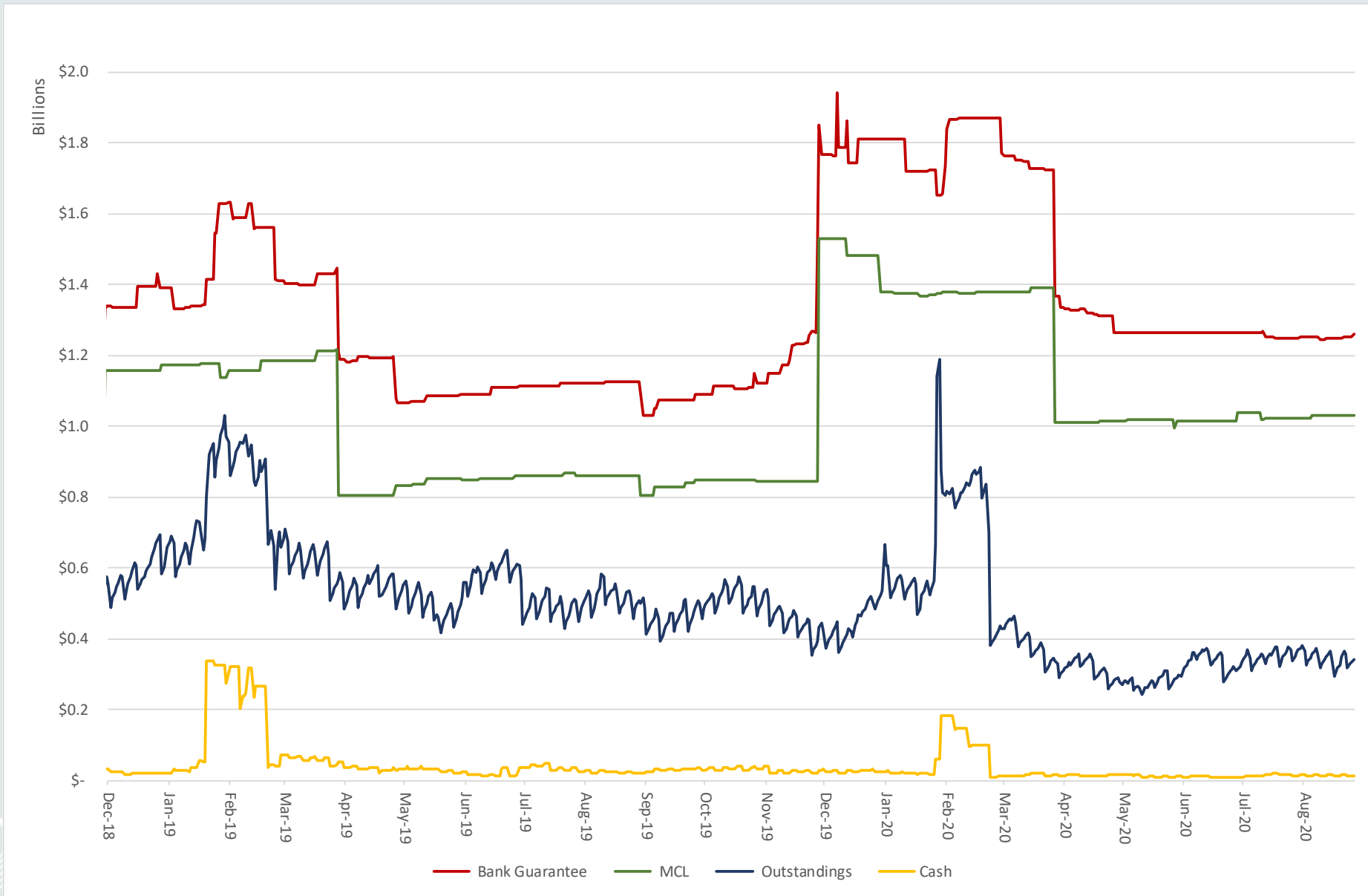
Prudential Indicators – Key Takeaways

- There were no time periods where total outstandings were above total MCL levels. Indicates MCL levels set appropriately.

- Guarantees levels well above the MCL requirements.

- Outstandings flat for a significant portion of 2019 with significant volatility in the summer season.

- Outstanding levels been flat since March 2020 reflecting lower prices/demand.

- 2020 summer had higher peak of outstandings than 2019, due to early February high price event.

- On average summer 2020 outstandings were lower ($0.8-$0.9 billion) than summer 2019 ($0.9-$1.0 billion).

- MCL levels were higher for summer 2020 than for summer 2019.

- Participants provided a significant amount of additional guarantees above MCL requirements for summer 2020, indicating anticipated need for additional prudential support.

- Likely due to the higher amount of guarantees provided for summer 2020, there was a lower need for ad-hoc management for outstandings, i.e. less security deposits supplied compared to the 2019 summer.

Key Prudential Indicators - A View Over Time
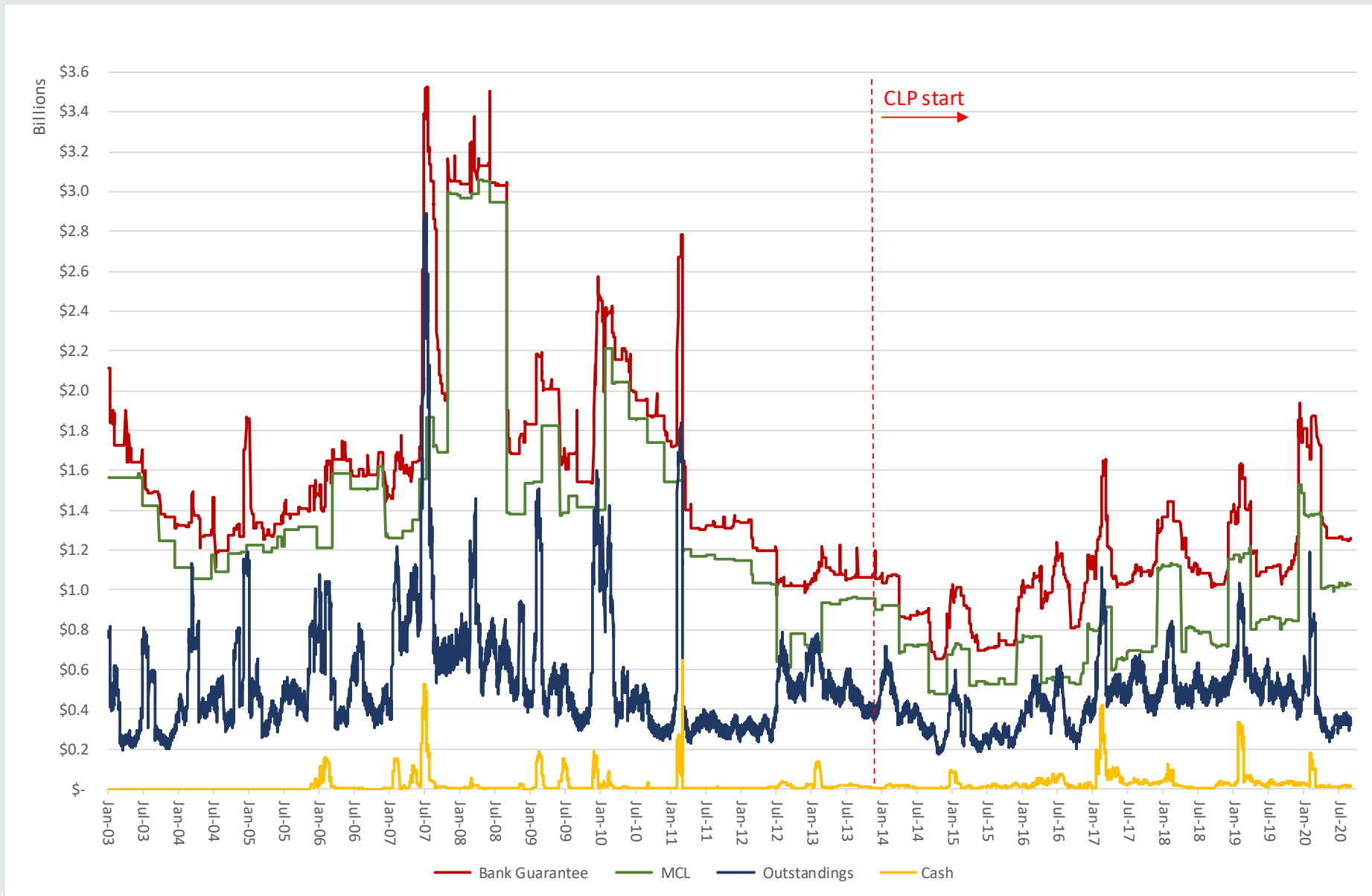
Prudential Indicators – Key Takeaways

- General behaviour of participants has been consistent since the introduction of the CLP in 2014:
  - Providing guarantees significantly above MCL levels for all seasons.
  - Using cash to manage periods of high outstandings.

- Outstandings have been generally increasing since 2014 but have not been historically high compared to 2007/2008.

- MCL levels have been significantly lower under the CLP than the previous MCL methodology.

- The total amount of bank guarantees is consistently above MCL with participants providing voluntary bank guarantees to mitigate the risk of a trading limit breach and to better manage anticipated trading activities.

- Security deposits are mostly used periods of high outstandings (usually due to transient high prices, i.e. summer 2017/2019/2020).

- If there is a significant long-term downward trend in prices or volatility this will be reflected in the regional model (and hence MCL levels) over time.

Meeting The Prudential Standard

Region	Prudential data to 31 March 2019	Prudential data to 31 August 2020
NSW	2.0%	2.0%
QLD	2.3%	1.5%
SA	2.0%	1.3%
TAS	5.3%	4.7%
VIC	3.0%	2.6%

- 2% prudential standard is met in the NSW, QLD and SA.

- Prudential exceedance is marginally above 2% in VIC (2.6%) but has been reduced (from 3% last year and 4% the year prior).

- As TAS has a reduced data-set (only joining the NEM in 2006) the prudential standard cannot be met currently.

- AEMOs regional model was last recalibrated and updated in 2019 to ensure the prudential standard was met (or was close to being met).

NEM Prudential Forecast

Presented by: Paul Capes

What Is The NEM Prudential Forecast and Who Can Use It?

- The NEM Prudential Forecast is an application where participants are provided with a forecast of their expected prudential position for the next NEM business day.

- By knowing what to expect, participants to better manage their Prudential Requirements.

- The NEM Prudential Forecast is part of AEMO's Electricity Market Management System (EMMS) web portal.

- Registered Market Participants, and AEMO have access to the information in the system in accordance with the National Electricity Rules (NER).

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How to Access NEM Prudential Forecast

- Users must have the appropriate user rights access, provided by your participant administrator.

  https://portal.prod.nemnet.net.au/

- Click **Energy Market Systems** and sign in using the user ID and password

- Once in the Markets Portal go to

MMS >**Settlements**>**View Prudentials** > **View NEM Prudential Forecast**
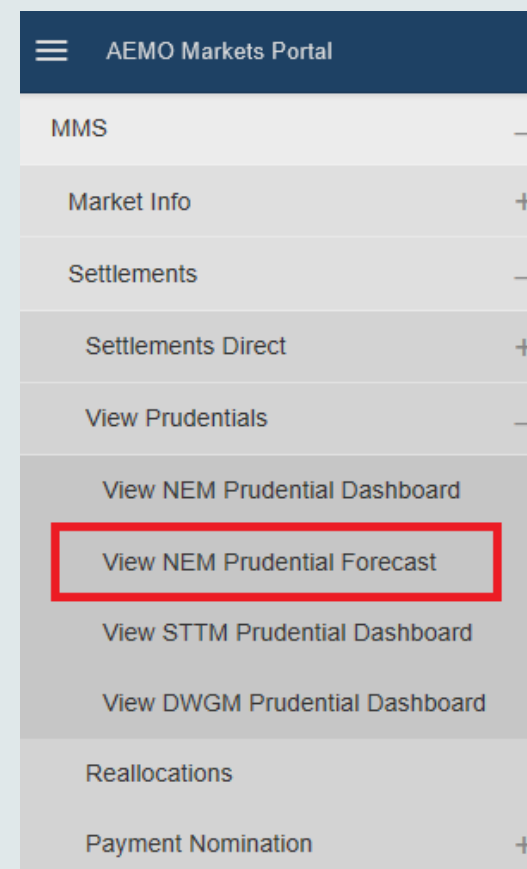
Forecast Content

Last Updated (Market Time): 08/10/2020 14:55:10
Next Prudential Day: 9/10/2020
Next Payment Day: 9/10/2020

The title of the page displays the date and times for the **Last Updated (Market Time)**, **Next Prudential Day** and the **Next Payment Day.**

Current and Forecast Outstandings and Trading Margin

	Current	Forecast 90% POE	Forecast 50% POE	Forecast 10% POE
Outstandings	$2,275,982	$1,777,995	$1,788,384	$1,841,871
Trading Margin	$3,953,018	$4,451,005	$4,440,616	$4,387,129

The **Current and Forecast Outstandings and Trading Margin** matrix displays the three forecast outstandings and trading margins for the requested participant with 10%, 50%,and 90% POE.

<u>Note</u>: The POE is the probability of the actual price exceeding the forecast price.

Forecast Content cont...

CURRENT AND FORECAST TOTAL ENERGY PER REGION (MWH)

Region	Current	Forecast		
		90% POE	50% POE	10% POE
NSW1	189,462.02	353,737.02	357,751.02	361,761.02
QLD1	171,318.59	321,454.59	324,968.59	328,483.59
SA1	33,621.53	65,150.53	67,530.53	69,908.53
TAS1	30,302.55	51,824.55	53,032.55	54,239.55
VIC1	121,790.32	234,962.32	241,315.32	247,664.32

The **Current and Forecast Total Energy per Region (MWh)** matrix displays the total energy demand for the current day for each region, in MWh. The 10%, 50%, and 90% POE are to the beginning of the next business day.

<u>Note:</u> The POE is the probability of the actual energy exceeding the forecast energy

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Forecast Content cont...
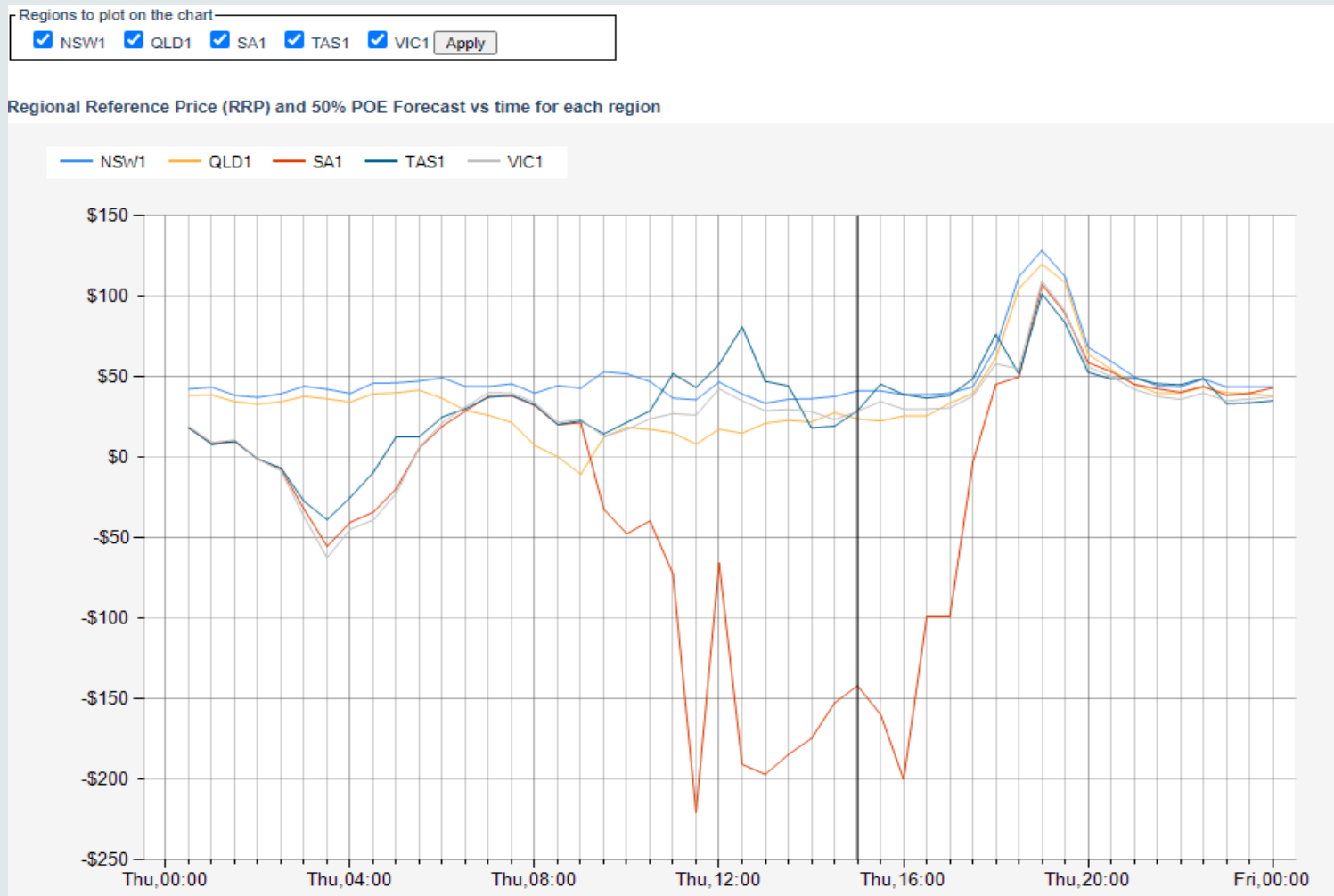
The **Regional Reference Price (RRP) and 50% POE Forecast vs time for each region** chart displays the actual and forecast price of 50% POE for each region.

Weekend

Like any forecast, the further out it tries to predict, the less accurate it can become. This can happen to the Prudential Forecast Calculation over a weekend.

Forecast Pricing:

- No pre-dispatch data ➡️ like-periods used

Forecast Energy (Consumption):

- No pre-dispatch data ➡️ like-periods used

Forecast Energy (Generation):

- No pre-dispatch data ➡️ 0 assumed

Refer to your subscribed reports if in doubt.

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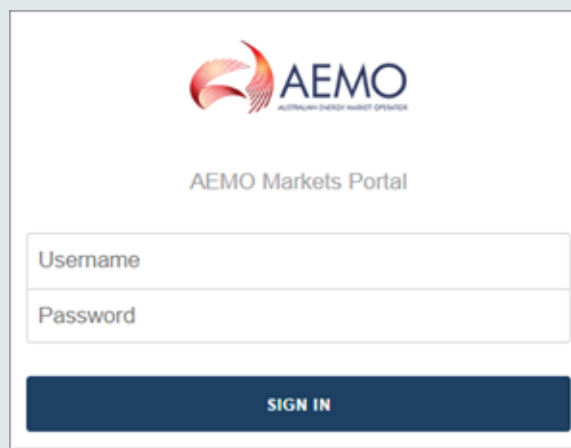
What Is Settlements Direct

In terms of a Participants point of view, Settlements Direct is:

- A web interface for accessing files including Settlement statements.

- A system which delivers files to Participants with the ability to have them encrypted for privacy purposes (if need to be).

- A place to access settlement calendars and timetables on AEMO's website.

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Accessing Files

- Accessed from EMMS web portal via: https://portal.prod.nemnet.net.au/

Some of the screens available:

- Settlements/Settlements Direct/**Data Access**.
  View and/or download files currently available.

- Settlements/Settlements Direct/**Subscriptions**.
  Subscribe to receive files by Email, or to receive a notification by Email or SMS.

Subscriptions
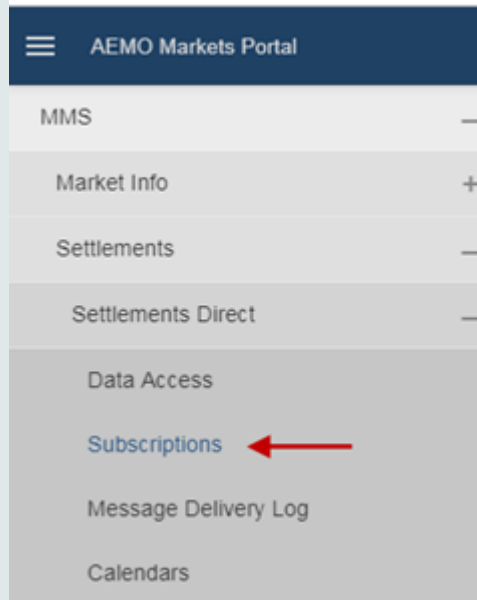
- To automatically receive settlement related information when it is available, use the Settlements Direct **Subscriptions** interface to maintain your notification selections.
- This is the section you can select who in your organisation is to receive specific data and in what format.

Subscriptions Groups

- Information in Settlements Direct is grouped into categories and types. You can filter the information using the category and type drop-down lists and grids.

- You can filter down using these expandable and collapsible categories to find the section you wish to subscribe to.

Subscriptions Groups - Latest

Category: NEM Alerts, Reminders and Notifications

- Type: NEM RERT DeActivation Alert
- Type: NEM RERT ITT Alert
- Type: NEM RERT Activation Alert
- Type: NEM RERT Cancellation Alert
- Type: NEM RERT PREActivation Alert
- Type: Alert: Unsuccessful Early Payment
- Type: Reminder: Early Payment Due Today
- Type: Alert: Bank Guarantee Due 1 Day (Expiry in 11 days)
- Type: Reminder: Bank Guarantee Due 10 Business Days (Expiry in 20 days)
- Type: Alert: Insufficient Credit Support in 5 Business Days
- Type: Reminder: Regular Settlement Receiver, Pays Next Settlement Day
- Type: Notification: Daily Forecasted Prudential Position (Afternoon)
- Type: Notification: Daily Prudential Position Actual (Morning)
- Type: Alert: Trading Limit Breach

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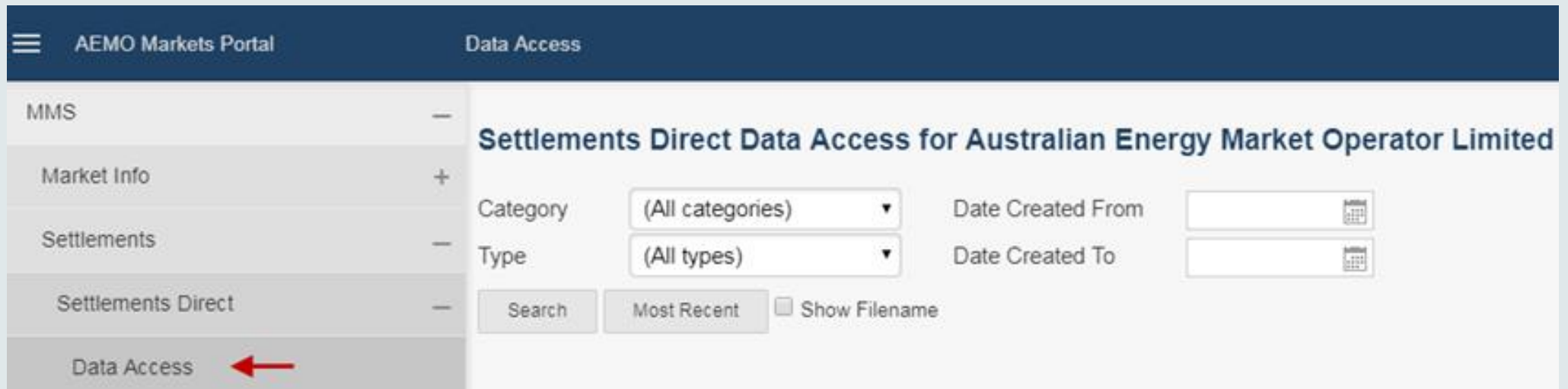AUSTRALIAN ENERGY MARKET OPERATOR

Organising Contacts

- Subscriptions is where Participants with access can set-up contacts to receive Settlements Direct information
- The type of information to be received by the contact depends on what tick boxes have been checked

	Name	Contact Details	E-mail	Notify by E-mail	Notify by SMS	Contact Identifier
⌄	Category: Miscellaneous					
⌄	Type Energy; secured					
	Contact name	Contact details	☑	☑	☑	885/REGISTRATION
	Contact name	Contact details	☑	☐	☐	RM/MSATSUSER

•*Please note*: if no boxes are ticked then no data will be sent

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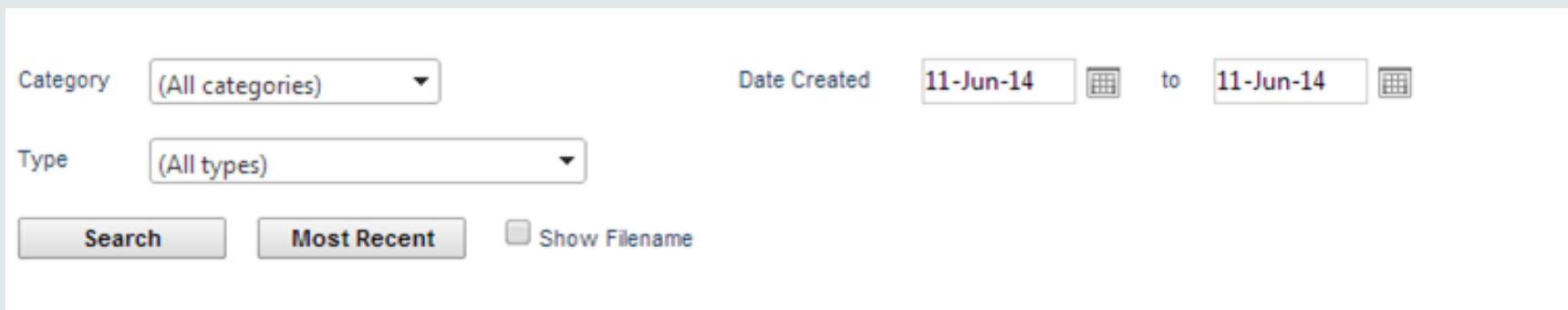AUSTRALIAN ENERGY MARKET OPERATOR

Data Access

- The **Data Access** interface displays current and previous AEMO information. The information is grouped into categories and types, with each column heading sortable, allowing for easy searching

Searching For Data

- To search for data in this section you use the Category (e.g. Statements or Correspondence), the Type (e.g. Prelim, Final or Revision) and the Date Created drop downs boxes
- You can also search by the period if you have selected a category and type. Eg select NEM statements for Final and you can choose a billing week range
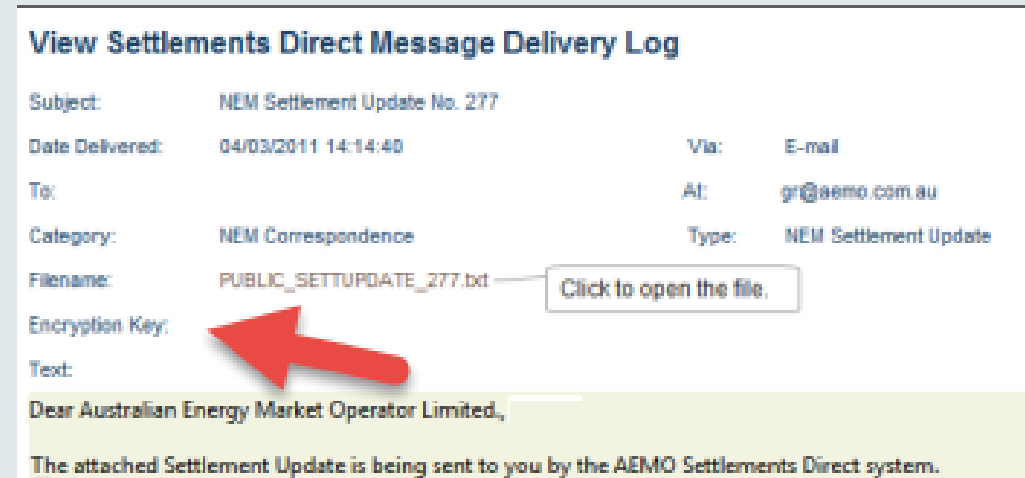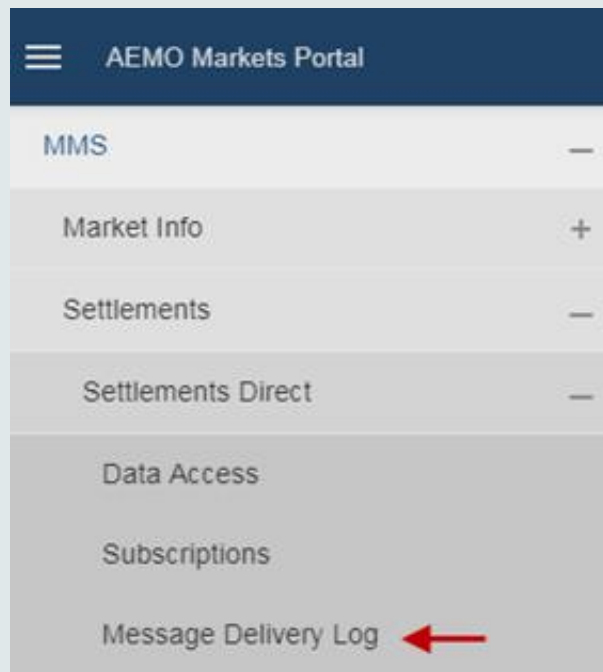

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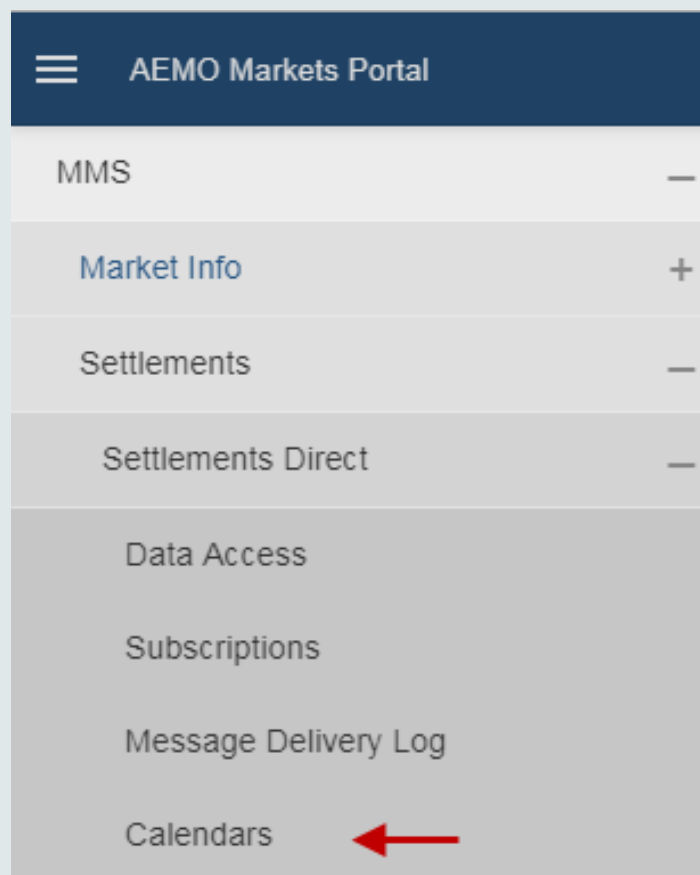
Encryption

- Data types flagged as confidential will be encrypted by default.
- If unable to remember your encryption code, you can find it by navigating to **Message Delivery Log** and viewing a previous Message. This view will show your encryption code

Calendars

- The **Calendars** menu provides links to the current settlement calendars and timetables on AEMO's website

Calendars

- The **Calendars** can be downloaded in various formats such as PDF, CSV, and iCalendar

Market Calendars (List, CSV, and iCalendars)

Vic Gas	Qld Gas	STTM	NEM	SRA	GSH
Vic Gas Calendars	Qld Gas Calendars	STTM Calendars	NEM Calendars	SRA Calendars	GSH Calendars

AEMO
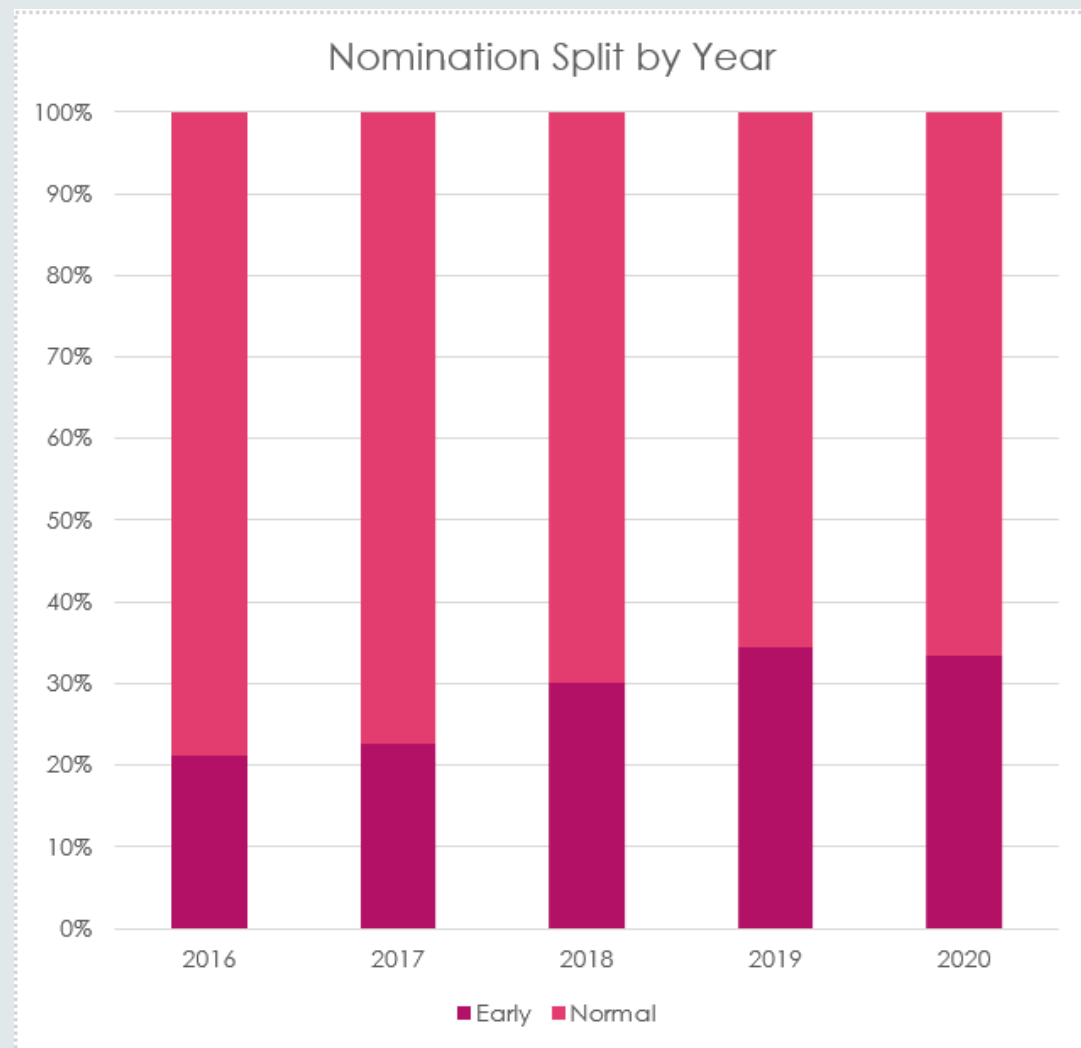AUSTRALIAN ENERGY MARKET OPERATOR

Early Payments

Presented by: Callum Carpenter

Early Payment Advantages

- Additional day to solve any issues

- Deadline of C.O.B instead of 10.30am

- Resolve trading margin breaches

- Interest is paid for the day

- Mitigates Risk

Nomination Split by Year

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Nomination by Category
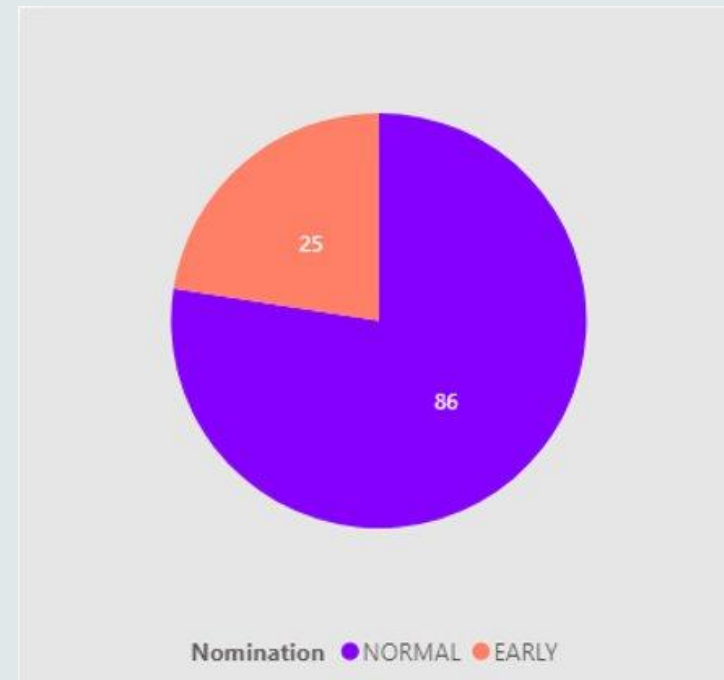
Generation Only

- Generally don't pay AEMO
- Not as familiar with payment process
- Higher risk of missing payment deadline
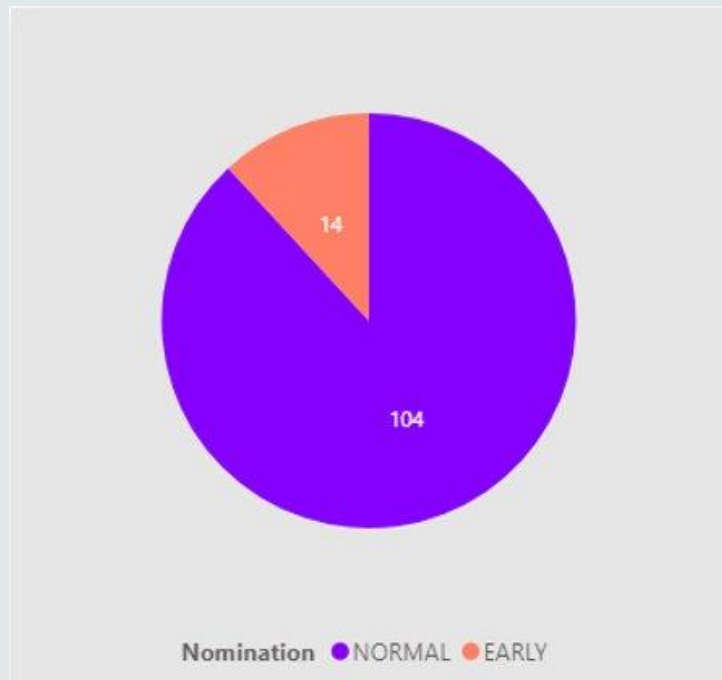
Everyone Else

- Highest portion of early payers
- Pay more frequently
- Understand risk mitigation

Generation Only pie chart: NORMAL 104, EARLY 14. Nomination ● NORMAL ● EARLY

Everyone Else pie chart: NORMAL 86, EARLY 25. Nomination ● NORMAL ● EARLY

How to Identify

- View current payment nomination

- Orange bar on top of prudential dashboard

- Final Statement

- Subscription alert to notify of payment

Total	-16,232.32

Payment Information:
Nominated Payment Date: **08 Oct 2020**
Nominated Payment Method: **Austraclear**

Enquiries
1300 361 011

Statement Date
07 Oct 2020

Due Date
09 Oct 2020

Category	Type	Contact
NEM Alerts, Remind ˅	(All types) ˅	(All contacts) ˅

Name	Contact Details
⊕ Type: NEM RERT Cancellation Alert	
⊕ Type: NEM RERT PREActivation Alert	
⊕ Type: Alert: Unsuccessful Early Payment	
⊕ Type: Reminder: Early Payment Due Today	
⊕ Type: Alert: Bank Guarantee Due 1 Day (Expiry in 11 days)	
⊕ Type: Reminder: Bank Guarantee Due 10 Business Days (Expiry in 20 days)	
⊕ Type: Alert: Insufficient Credit Support in 5 Business Days	
⊕ Type: Reminder: Regular Settlement Receiver, Pays Next Settlement Day	
⊕ Type: Notification: Daily Forecasted Prudential Position (Afternoon)	

Past Payment Nominations for _____   Download file   Print

Effective Billing Year	Effective Billing Week	Effective Settlement Date	Direction	Payment Type	Method
2014	31	27/08/2014	___ to AEMO	Early payment	Austraclear
2014	27	30/07/2014	AEMO to ___	-	Austraclear
2014	27	30/07/2014	___ to AEMO	Normal payment date	Austraclear

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Changing Nomination

- Initially contact Prudentials via email

- Flexibility to change nomination via Settlements Direct

- Nominations to be made 2 Business Days before the final statement
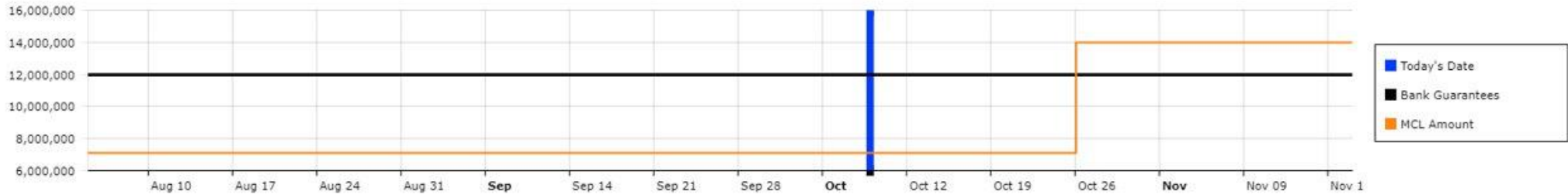
Gas Market Early Payment

- It is setup manually via email

- Can be one-off or permanent

- Treated as prepayment

- No interest paid (Except GSH)

- No way to identify

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Credit Support Page

NEM Credit Support vs Participant MCL
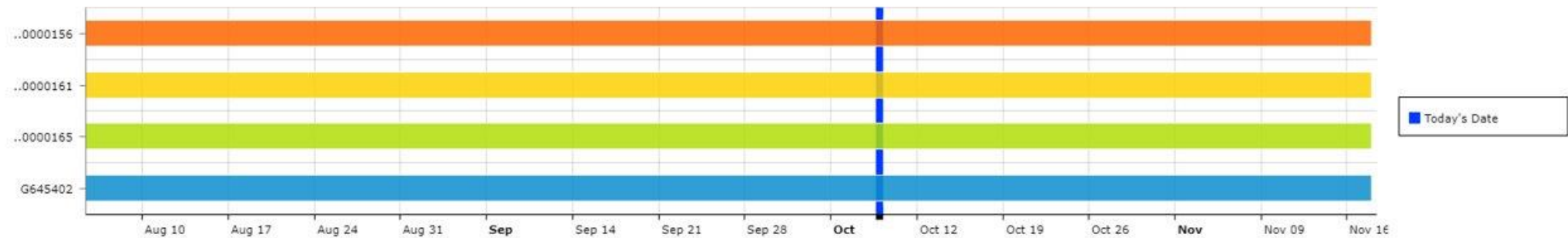
Legend: Today's Date, Bank Guarantees, MCL Amount

Guarantee Lifespan

Legend: Today's Date

Current Active Credit Support

Add Guarantee | Clear Simulation | Export As CSV

Guarantee ID	Bank Name	Commencement Date	Expiry Date	Amount
571001100000156	Westpac Banking Corporation	25/06/2018	30/11/2020	$2,500,000.00
571001100000161	Westpac Banking Corporation	09/05/2019	30/11/2020	$1,400,000.00
571001100000165	Westpac Banking Corporation	29/11/2019	30/11/2020	$4,050,000.00
G645402	Commonwealth Bank of Australia	29/11/2019	30/11/2020	$4,050,000.00

MCL

MCL Schedules | Export As CSV

Effective Date	Calculated MCL
26/10/2020	$14,000,000.00
09/04/2020	$7,100,000.00

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Changing Expiry Dates

NEM Credit Support vs Participant MCL
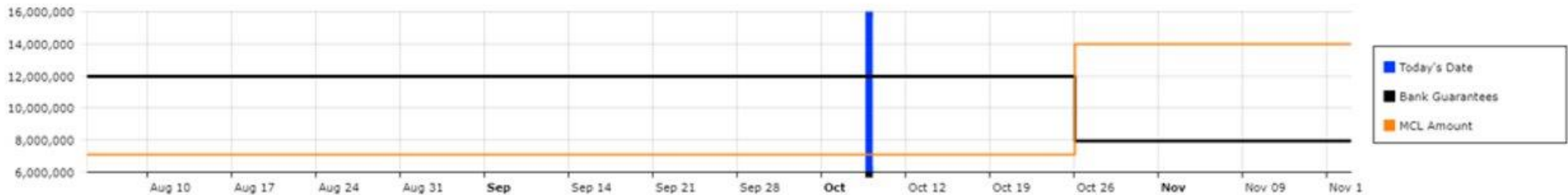
Legend: Today's Date, Bank Guarantees, MCL Amount

Guarantee Lifespan

Legend: Today's Date

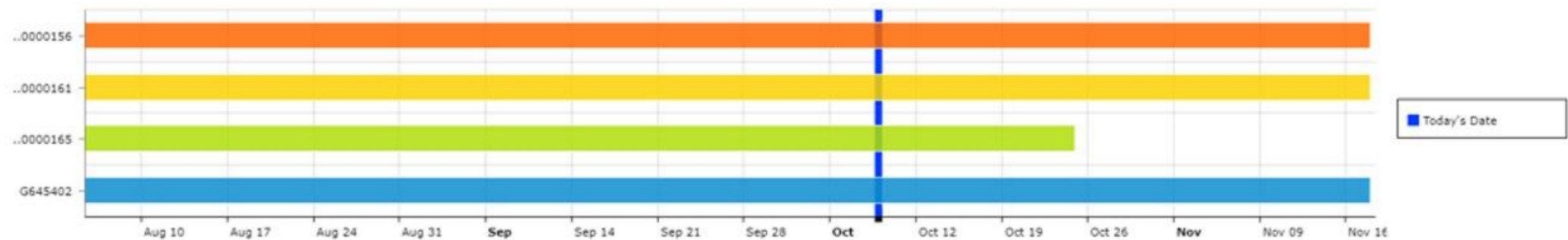| Current Active Credit Support					
Guarantee ID	**Bank Name**	**Commencement Date**	**Expiry Date**	**Amount**	
571001100000156	Westpac Banking Corporation	25/06/2018	30/11/2020	$2,500,000.00	
571001100000161	Westpac Banking Corporation	09/05/2019	30/11/2020	$1,400,000.00	
571001100000165	Westpac Banking Corporation	29/11/2019	25/10/2020	$4,050,000.00	
G645402	Commonwealth Bank of Australia	29/11/2019	30/11/2020	$4,050,000.00	

Add Guarantee | Clear Simulation | Export As CSV

MCL	MCL Schedules	Export As CSV
Effective Date	**Calculated MCL**	
26/10/2020	$14,000,000.00	
09/04/2020	$7,100,000.00	

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Adding a New Guarantee

Simulating an Exchange

NEM Credit Support vs Participant MCL

Legend: Today's Date, Bank Guarantees, MCL Amount

Guarantee Lifespan

Legend: Today's Date

Current Active Credit Support					Add Guarantee	Clear Simulation	Export As CSV

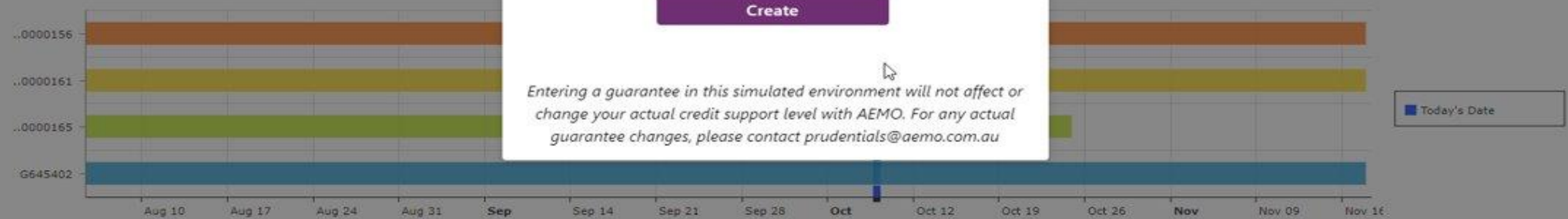| Guarantee ID	Bank Name	Commencement Date	Expiry Date	Amount
571001100000156	Westpac Banking Corporation	25/06/2018	30/11/2020	$2,500,000.00
571001100000161	Westpac Banking Corporation	09/05/2019	30/11/2020	$1,400,000.00
571001100000165	Westpac Banking Corporation	29/11/2019	25/10/2020	$4,050,000.00
G645402	Commonwealth Bank of Australia	29/11/2019	30/11/2020	$4,050,000.00
SAMPLEBG1	Entry for simulation only	25/10/2020	31/01/2021	$7,000,000.00

MCL — MCL Schedules — Export As CSV

Effective Date	Calculated MCL
26/10/2020	$14,000,000.00
09/04/2020	$7,100,000.00

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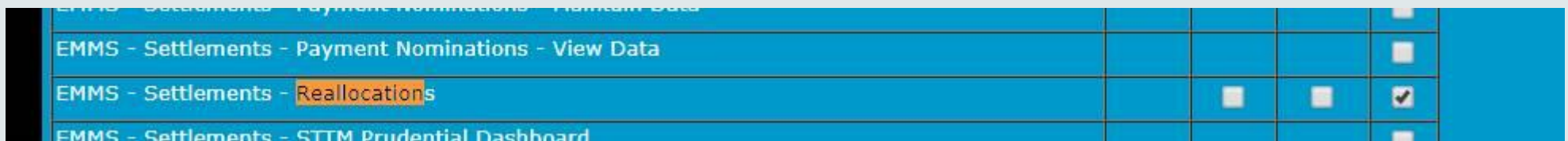
Reallocation Procedures

- New reallocation procedures New date for 5MS – 1 Oct 2021

Term	Definition
Participant ID	A unique *Registered Participant* identifier used by *AEMO*'s Electricity Market Management System (EMMS) for the calculation and processing of all settlement activities. Where a *Registered Participant* has multiple *Participant IDs*, the *Registered Participant* must designate the *Participant ID* that will be used for *reallocations*.
Period ID	A numeric identifier used by EMMS to represent a *trading interval* in any given day, so that 1 is the *trading interval* commencing at midnight and: • up to and including 30 June 2021, 48 is the 30 minute *trading interval* ending at midnight (commencing at 23:30); • from and including 1 July 2021, 288 is the 5 minute *trading interval* ending at midnight (commencing at 23:55).

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News

- Likely date for Regional Public holidays feature to be available – 19 Apr 2021.

- Permissions brief. MSATS/URM permissions: Read, Create, Update/delete (role)

- Validation issue is fixed and will be in prod by the end of November.

- New file download available, to see details of each reallocation.

PRE-PRODUCTION

AEMO **Markets Portal**   👁 Set as: ▒▒▒▒   ⍰ ⌄

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Market Info   +

Settlements   ‒

  Settlements Direct   +

  View Prudentials   +

  Payment Nomination   +

  Reallocations

  View/Create PM Offset

SRA   +

Gas Supply Hub

Reallocation List

Create reallocation   Public holidays

Search	Active from	Active to
	27/08/2020 📅	06/10/2022 📅

5 Reallocations	1 Awaiting your Authorisation	0 About to expire	0 Awaiting counterparty	1 Authorised	0 Expired	3 Cancelled / Rejected

5 results

Counterparty	Creator	Region			
Select Counterparty ⌄	Select Creator ⌄	Select Region ⌄	More filter	Export with details	Export CSV

I/D	REALLOCATIONSUMMARY	REALLOCATION ID	STATUS	AUTHORISING PARTICIP	AUTHORISING PA	YOUR ROLE	CREATOR PARTICIPANT NAME	CREATOR PARTICIPANT ID	START DATE	END DATE	REGION	AGREEMENT TYPE	DAY TYPE	PUBLIC HOLIDAY	Actions
I	REALLOCATIONSUMMARY	REALLOCATION ID	STATUS	AUTHORISING PARTICIP	AUTHORISING PA	YOUR ROLE	CREATOR PARTICIPANT NAME	CREATOR PARTICIPANT ID	START DATE	END DATE	REGION	AGREEMENT TYPE	DAY TYPE	PUBLIC HOLIDAY	
D	REALLOCATIONSUMMARY	20200915.RS0(	SUBMIT			Credit			14/09/2020	14/09/2020	QLD1	Swap	Flat		Authorise
I	REALLOCATIONINTERVAL	PERIOD ID		TIME INTERVAL	REALLOCATION VALUE	STRIKE PRICE									
D	REALLOCATIONINTERVAL	1		0:30	100	20									Duplicate
D	REALLOCATIONINTERVAL	2		1:00	100	20									
D	REALLOCATIONINTERVAL	3		1:30	100	20									Reverse
D	REALLOCATIONINTERVAL	4		2:00	100	20									
D	REALLOCATIONINTERVAL	5		2:30	100	20									Duplicate
D	REALLOCATIONINTERVAL	6		3:00	100	20									
D	REALLOCATIONINTERVAL	7		3:30	100	20									Duplicate
D	REALLOCATIONINTERVAL	8		4:00	100	20									
D	REALLOCATIONINTERVAL	9		4:30	100	20									
D	REALLOCATIONINTERVAL	10		5:00	100	20									
D	REALLOCATIONINTERVAL	11		5:30	100	20									
D	REALLOCATIONINTERVAL	12		6:00	100	20									
D	REALLOCATIONINTERVAL	13		6:30	100	20									
D	REALLOCATIONINTERVAL	42		21:00	100	20									
D	REALLOCATIONINTERVAL	43		21:30	100	20									
D	REALLOCATIONINTERVAL	44		22:00	100	20									
D	REALLOCATIONINTERVAL	45		22:30	100	20									
D	REALLOCATIONINTERVAL	46		23:00	100	20									
D	REALLOCATIONINTERVAL	47		23:30	100	20									
D	REALLOCATIONINTERVAL	48		24:00:00	100	20									
I	REALLOCATIONSUMMARY	REALLOCATION ID	STATUS	AUTHORISING PARTICIP	AUTHORISING PA	YOUR ROLE	CREATOR PARTICIPANT NAME	CREATOR PARTICIPANT ID	START DATE	END DATE	REGION	AGREEMENT TYPE	DAY TYPE	PUBLIC HOLIDAY	
D	REALLOCATIONSUMMARY	20200915.RS0(	CANCEL			Credit			14/09/2020	14/09/2020	QLD1	Swap	Flat		
I	REALLOCATIONINTERVAL	PERIOD ID		TIME INTERVAL	REALLOCATION VALUE	STRIKE PRICE									
D	REALLOCATIONINTERVAL	1		0:30	250	60									
D	REALLOCATIONINTERVAL	2		1:00	250	60									
D	REALLOCATIONINTERVAL	3		1:30	250	60									