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# **Guide to NEM Settlements Residue Auction Interface**

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**2.00 Final**

**November 2019**

Provides guidance for using the SRA interface  
in the markets portal

# Important Notice

## **PURPOSE**

This Guide to NEM Settlements Residue Auction Interface (Guide), prepared by the Australian Energy Market Operator (AEMO), provides guidance for the Settlements Residue Auction under the NER or Auction Rules(Rules).

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Available to the public.

## **DOCUMENT IDENTIFICATION**

Business custodian: Manager, Market Design

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Prepared by: Technology, Technical Writers

## **VERSION HISTORY**

Version 2.00 supports secondary trading in SRA with the following new functionality: Cash security, Offer submission, and improved interface.

Last update: Friday, 15 November 2019 2:32 PM

## **DOCUMENTS MADE OBSOLETE**

The release of this document changes any previous versions of Guide to NEM Settlements Residue Auction Interface and NEM Settlements Residue Auction Interface Guide.

## **FEEDBACK**

Your feedback is important and helps us improve our services and products. To suggest improvements, please contact AEMO's support hub.

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# Introduction

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## Purpose

Provides guidance for using the SRA interface in the markets portal

## Audience

The primary audience for this guide is:

- Registered SRA Auction Participants
- NEM Registered Participant
- Authorised SRA Agents

A secondary audience is Participant Administrators (PA) providing access to the SRA Auction for their Participant Users.

## What's in this guide

**Chapter 1 Need to Know on page 5** explains what you need to know before you start using the Settlements Residue Auction.

**Chapter 2 About Settlements Residue Auction on page 7** explains the Settlements Residue Auction web application, who it is for, how to access it, and provides a list of resources directly related to SRA.

**Chapter 3 View Calendar on page 11** explains how to access the SRA View Calendar interface to view Auction information for each Directional Interconnector over an SRA Quarter.

- Chapter 4 View Quarter on page 13** explains how to view Auction details by Directional Interconnector, Tranche, or Billing Week for each Quarter.
- Chapter 5 View Auction on page 18** explains how to view all available results for a single Auction.
- Chapter 6 View Transfers and Returns on page 21** explains how to view transfers and returns by flat and transfer ID.
- Chapter 7 Enter Bid on page 23** explains how to use the Enter Bid interface to submit a Bid File for an open Auction.
- Chapter 8 View Bids on page 28** explains viewing Bid information.
- Chapter 9 Enter Offer on page 33** explains how to use the Enter Offer interface to submit an Offer File for an open Auction.
- Chapter 10 View Offers on page 37** explains how to see your current open Offers and the total number of Offers cleared.
- Chapter 11 Delete or Cancel Bids or Offers on page 40** explains how to delete an unsubmitted Bid or Offer in a file, how to cancel a submitted Bid or Offer File, and how to cancel a single Bid or Offer in a submitted file.
- Chapter 12 Exporting Bids and Offers on page 42** explains how to export open, historic and public Bids and Offers to your local folder. You can manipulate exported Bids and Offers to upload as new Bid or Offer files.
- Chapter 14 View Prudential Details on page 55** explains how to view your prudential details.
- Chapter 15 Acknowledgement on page 57** explains Bid and Offer acknowledgements and their contents.
- Chapter 16 Reports on page 60** describes the SRA reports available and where to find them.
- Needing Help on page 68** provides information to assist participants with IT related issues, requesting assistance from AEMO, and using the Set Participant option.
- Glossary on page 76** explains the common terms and abbreviations, the Rules terms, and the SRA web interface terms used throughout this guide.
- References on page 82** contains a list of resources mentioned throughout this guide.

## Related Resources

### AEMO website

The **Settlements Residue Auction (SRA) web pages** contain SRA related information.

### SRA reports

For details of SRA related reports and Data Interchange tables, see **Reports on page 60**.

### SRA quarterly statement

Provides information regarding the SRA quarterly settlement of SRA units, including the return of Cash Security when it is no longer required.

### Weekly statement

The weekly statement includes information about the calculation of the Units and fees.

## How to use this guide

Throughout this guide, the terms 'sales', 'sold', and other derivations mean 'cancelled', 'cancellation', 'cancel', and so on and refer to Units held by SRA Auction Participants whose ownership AEMO has cancelled.

- Secondary trading means secondary dealing where a participant sold a unit and AEMO cancelled their ownership and reallocated the unit.
- This document is written in plain language for easy reading.
- Where there is a discrepancy between the Rules and information or a term in this document, the Rules take precedence.
- Where there is a discrepancy between the relevant Procedures and information or a term in this document, the Procedures take precedence.



- The references listed throughout this document are primary resources and take precedence over this document.
- **Text in this format** indicates a resource on AEMO's website.
- **Text in this format** indicates a direct link to a section in this guide.
- **Text in this format** is an action to complete in the Markets Portal interface.
- Glossary and Rules terms are capitalised and have the meanings listed against them in the **Rules terms on page 80** and **Glossary on page 76**.
- The numbers on the example screenshots throughout this guide refer to the numbered explanations in the topic.
- References to time are Australian Eastern Standard time (AEST) unless otherwise specified.

# Chapter 1 Need to Know

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## Rules, procedures, and committees

AEMO implements the Settlements Residue Auction in line with:

1. The **National Electricity Rules**, chapters: 3.18, 3.3.8A, and 3.3.13A.
2. The **Settlements Residue Auction Rules** (Auction Rules).
3. The **Auction Participation Agreement (APA)**.
4. The **Settlement Residue Distribution Agreement (SRDA)**.
5. The **Settlement Residue Committee (SRC)**.

## Prerequisites

To participate in a Settlements Residue Auction you must have the following:

1. A signed **Auction Participation Agreement (APA)**.  
SRA Auction Participants with an APA signed before the Secondary Trading Auction Rules Amendment Date, wanting to make Offers, must sign and submit a new (APA).
2. A MarketNet connection, see **System requirements on page 72**.
3. A username and password provided by your company's Participant Administrator (PA). For help, see **User rights access on the next page**.

## User rights access

For Participant User access to all SRA interfaces (web, FTP, and file upload), Participant Administrators (PAs) select the following entity in the MSATS Web Portal:

- EMMS - SRA (Settlement Residue Auction)

For more details about Participant Administration, see **Guide to User Rights Management**.

## Finding help

To access online help for the Settlements Residue Auction, click **Help** in the top-right of the Markets Portal.



# Chapter 2 About Settlements Residue Auction

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## What Settlements Residue Auction is for

Settlements residue arises in the National Electricity Market (NEM) because the amount paid by Market Participants to AEMO for spot market transactions usually differs from the amount paid by AEMO to other Market Participants for Spot Market Transactions.

When AEMO uses generation in one Region to meet demand in another Region, and the Regional Reference Prices (RRP) differ, inter-regional residue arises. AEMO runs Settlements Residue Auctions (SRA) to auction Settlement Residue Distribution (SRD) Units giving SRA Auction Participants a right to a part of the residue accumulated over a Directional Interconnector. For more details, see the [Guide to the Settlements Residue Auction](#).

The Settlements Residue Auction (SRA) system sells entitlements to Settlement Residue attributable to Inter-regional interconnectors up to three years in advance, with the Units auctioned over twelve Quarters.

The Settlements Residue Auctions intent is to improve the efficiency of the NEM by promoting Inter-regional trade. Making the Settlements Residue available to the Market better manages the risk of trading between Regions.

## Secondary trading in SRA

Secondary trading allows SRA Auction Participants owning Settlement Residue Distribution Agreement (SRDA) Units purchased in an earlier Tranche to Offer them into the Auction in a later Tranche.

If the Units Offered successfully clear in the Auction, AEMO cancels the Auction Participant's ownership, but they are still obliged to pay for their original allocation.

## Who can use Settlements Residue Auction

Users having access to the SRA system include:

- Registered SRA Auction Participants (Market Customers, Generators, and Traders), who have full access to participate in Auctions and view their own confidential Bid and Offer information.
- NEM Registered Participants who have restricted access to view public Bids and Offers or their own confidential information if they were previously an SRA Auction Participant. NEM Registered Participants cannot participate in Auctions.
- SRA Agents as authorised by the SRA Auction Participant.
- AEMO authorised users who cannot see SRA Auction Participant's confidential information.

## How to use Settlements Residue Auction

The Settlements Residue Auction is a web application in the EMMS Markets Portal. For help accessing, see [Accessing Settlements Residue Auction on page 10](#).

### Submitting a bid or offer file

There are several ways you can submit a Bid or Offer File:

1. Manually enter the Bid or Offer File on the EMMS Markets Portal **SRA Enter Bid** or **Enter Offer** interface. For help, see [Enter Bid on page 23](#) and [Enter Offer on page 33](#).
2. Copy a previously created Bid or Offer from the EMMS Markets Portal SRA interface. For help, see [Copy a bid file on page 30](#) and [Copy an offer file on page 38](#).
3. Import a prepared Bid or Offer File from your local folder to the EMMS Markets Portal SRA interface. For help, see [Importing Bids and Offers on page 43](#).
4. Manually upload or FTP your prepared Bid or Offer File directly to the **Participant File Server/<Participant ID>/Export/IRSR** folder. For help, see [Preparing a bid or offer file on page 43](#).

5. Use Data Interchange to automate submission of your prepared Bid or Offer File. For help, see **Concise Guide to Data Interchange**.

**When the SRA Auction is open, The SRA Auction accepts Offer and Bid Files in the same time frame, but you must submit them separately.**

## Providing cash security

The SRA Auction Participant's Trading Margin must remain greater than or equal to zero. At any time, SRA Auction Participants can provide Cash Security to AEMO, of any amount, to increase their Trading Limit, therefore increasing their Trading Margin.

A non-zero Trading Margin is only possible when a participant is offering or has Cancelled Units.

You can find details of the Trading Margin calculation in the **Guide to Settlements Residue Auction**.

To provide Cash Security:

1. SRA Auction Participants complete the **Cash Security Email Template** and email to **clearing@aemo.com.au**.
2. AEMO enters a matching transaction in the Clearing Account according to the SRA Auction Participant's email instructions.
3. Once the trade settles in the Clearing Account, the Cash Security reflects in the SRA Auction Participant's prudential details. For details, **View Prudential Details on page 55**.

## Accessing Settlements Residue Auction

To access the SRA Auction:

1. Using your web browser, access the EMMS Markets Portal, either:
  - Pre-production:  
<https://mms.preprod.nemnet.net.au>
  - Production:  
<https://mms.prod.nemnet.net.au>
2. Sign in using the user ID and password provided by your company's PA.
3. In the navigation pane, click **MMS** and then **SRA** to see the SRA menus.

MMS	—
Market Info	+
Settlements	+
Offers & Submissions	+
SRA	—
View Calendar	
View Quarter	
View Auction	
View Transfers, Returns	
View Bids	
Enter Bid	
View Public Bids	
View Offers	
Enter Offer	
View Public Offers	
View Prudential Details	

Only Registered SRA Auction Participants have access to the Enter Bid and Offer menus. NEM Registered Participants have restricted access to view public Bids and Offers or their own confidential information if they were previously an SRA Auction Participant. NEM Registered Participants cannot participate in Auctions.

# Chapter 3 View Calendar

The SRA calendar displays the Auction information for each Directional Interconnector over an SRA Quarter.

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

To view the SRA Calendar:

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Calendar**.
2. The **SRA View Calendar** displays:
  - a. The **Auction Date** range: Four years in the past and three years in the future.  
To view Auction details, click an Auction Date.
  - b. Completed, current and pending **Quarters**The **Quarter** range: One year in the past and three years in the future.  
Click a Quarter to view the Quarter details.
  - c. The minimum number of Units available in the Auction for the Relevant Quarter and Directional Interconnector.  
To see the Units available for each Directional Interconnector, select it from the drop-down list.
  - d. A key describing the Auction status:  
**Pending**: not open for Bidding.  
**Open**: open for Bidding.  
**Closed**: closed for Bidding.  
**Completed**: Auction completed and results posted.
  - e. The Directional Interconnector default view with the **NSW1-QLD1/NSW1**.  
Use the drop-down to change the view and see Units available for other Directional Interconnectors.

The SRA Calendar does not include information about Offered Units, Cancelled Units, Rollover Units, or Reallocated Units.



Figure 1 View Calendar example



# Chapter 4 View Quarter

Auction details for each Quarter are viewable by Directional Interconnector, Tranche, or Billing Week.

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## View the SRA Quarter

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Quarter**.
2. The current SRAQuarter displays.
  - a. The **Start Date**, **End Date**, **Payment Date**, and **Reconciliation Date**.
  - b. To see details for other Auctions, click the **Quarter** drop-down and select from the list.
  - c. Your company's Confidential Information displays in red, visible only to the Participant ID's Participant Users.
  - d. The **Unit Holding Summary**. For details, see [Unit holdings summary on the next page](#).
  - e. The **Unit Holdings** viewed by Directional Interconnector (default view). For details, see [Unit holdings by Directional Interconnector on the next page](#).
  - f. The **Billing** viewed by Billing Week (default view). For details, see [Billing by billing week on page 15](#).

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

**SRA View Quarter** a Start Date: 01/07/2019 | End Date: 30/09/2019 | Payment Date: 18/07/2019 | Reconciliation Date: 08/11/2019 | Quarter: 2019Q3 b

**Unit Holdings Summary** c

Directional Interconnector	Max Units	Proportion	Volume Weighted Unit Price	Total Gross RSR	Current Holding	Purchase Payment	Cancelled Units	Cancellation Payment	Gross RSR Received	Fees Payment	Net RSR Received	Originally Purchased	Returned Units	Transferred From	Transferred To
NSW1-QLD1 / NSW1	550	0.18181%	\$1,331.82	\$5,683.67	0	\$23,015.00	0	\$0.00	\$0.00	\$0.00	\$0.00	57	0	0	0
NSW1-QLD1 / QLD1	1200	0.08333%	\$12,011.66	\$1,090,140.89	0	\$2,906,423.10	0	\$0.00	\$0.00	\$0.00	\$0.00	257	0	0	0
V-SA / SA1	770	0.12987%	\$5,057.09	\$834,231.89	0	\$100,112.45	0	\$0.00	\$0.00	\$0.00	\$0.00	45	0	0	0
V-SA / VIC1	880	0.11363%	\$12,691.11	\$77,463.79	0	\$47,949.40	0	\$0.00	\$0.00	\$0.00	\$0.00	17	0	0	0
VIC1-NSW1 / NSW1	1300	0.07692%	\$2,984.23	\$726,247.52	0	\$242,176.64	0	\$0.00	\$0.00	\$0.00	\$0.00	100	0	0	0
VIC1-NSW1 / VIC1	1500	0.06666%	\$4,531.69	\$499,581.35	0	\$322,067.20	0	\$0.00	\$0.00	\$0.00	\$0.00	76	0	0	0
				\$3,233,349.11		\$3,641,743.79		\$0.00	\$0.00	\$0.00	\$0.00				

**Unit Holdings** d e View By: Directional Interconnector

Tranche	Min Avail Units	Units Allocated	Unit Price	Current Holding	Purchase Payment	Cancelled Units	Cancellation Payment	Originally Purchased	Returned Units	Transferred From	Transferred To
Directional Interconnector: NSW1-QLD1 / NSW1											
550	550			57	\$23,015.00	0	\$0.00	57	0	0	0
Directional Interconnector: NSW1-QLD1 / QLD1											
1200	1200			257	\$2,906,423.10	0	\$0.00	257	0	0	0
Directional Interconnector: V-SA / SA1											
770	770			45	\$100,112.45	0	\$0.00	45	0	0	0
Directional Interconnector: V-SA / VIC1											
880	880			17	\$47,949.40	0	\$0.00	17	0	0	0
Directional Interconnector: VIC1-NSW1 / NSW1											
1300	1300			100	\$242,176.64	0	\$0.00	100	0	0	0
Directional Interconnector: VIC1-NSW1 / VIC1											
1500	1500			76	\$322,067.20	0	\$0.00	76	0	0	0

**Billing** f View By: Billing Wheel

Directional Interconnector	Gross RSR Received	Fees Payment	Net RSR Received
Directional Interconnector			

## Unit holdings summary

To view the Units Holding summary, follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Quarter**.

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

Unit Holdings Summary

Directional Interconnector	Max Units	Proportion	Volume Weighted Unit Price	Total Gross RSR	Current Holding	Purchase Payment	Cancelled Units	Cancellation Payment	Gross RSR Received	Fees Payment	Net RSR Received	Originally Purchased	Returned Units	Transferred From	Transferred To
NSW1-QLD1 / NSW1	550	0.18181%	\$1,331.82	\$5,683.67	0	\$23,015.00	0	\$0.00	\$0.00	\$0.00	\$0.00	57	0	0	0
NSW1-QLD1 / QLD1	1200	0.08333%	\$12,011.66	\$1,090,140.89	0	\$2,906,423.10	0	\$0.00	\$0.00	\$0.00	\$0.00	257	0	0	0
V-SA / SA1	770	0.12987%	\$5,057.09	\$834,231.89	0	\$100,112.45	0	\$0.00	\$0.00	\$0.00	\$0.00	45	0	0	0
V-SA / VIC1	880	0.11363%	\$12,691.11	\$77,463.79	0	\$47,949.40	0	\$0.00	\$0.00	\$0.00	\$0.00	17	0	0	0
VIC1-NSW1 / NSW1	1300	0.07692%	\$2,984.23	\$726,247.52	0	\$242,176.64	0	\$0.00	\$0.00	\$0.00	\$0.00	100	0	0	0
VIC1-NSW1 / VIC1	1500	0.06666%	\$4,531.69	\$499,581.35	0	\$322,067.20	0	\$0.00	\$0.00	\$0.00	\$0.00	76	0	0	0
				\$3,233,349.11		\$3,641,743.79		\$0.00	\$0.00	\$0.00	\$0.00				

## Unit holdings by Directional Interconnector

1. To view the Unit Holdings by Directional Interconnector, click the **View By** drop-down and select **Directional Interconnector**.
2. To view the details, click the expand buttons.

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

Unit Holdings

1

View By  
Directional Interconnector

2	Tranche	Min Avail Units	Units Allocated	Unit Price	Current Holding	Purchase Payment	Cancelled Units	Cancellation Payment	Originally Purchased	Returned Units	Transferred From	Transferred To
<div></div>	Directional Interconnector: NSW1-QLD1 / NSW1											
	C2019Q3T01	45	45	\$2,982.23	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T02	45	45	\$3,281.00	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T03	45	45	\$2,493.00	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T04	45	45	\$1,595.52	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T05	45	45	\$1,149.00	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T06	45	45	\$1,121.00	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T07	45	45	\$1,121.00	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T08	45	45	\$773.00	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T09	45	45	\$397.00	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T10	45	45	\$420.00	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T11	45	45	\$395.00	0	\$0.00	0	\$0.00	0	0	0	0
	C2019Q3T12	55	55	\$450.00	0	\$0.00	0	\$0.00	0	0	0	0
		550	550		0	\$0.00	0	\$0.00	0	0	0	0
<div></div>	Directional Interconnector: NSW1-QLD1 / QLD1											
		1200	1200		0	\$0.00	0	\$0.00	0	0	0	0
<div></div>	Directional Interconnector: V-SA / SA1											
		770	770		0	\$0.00	0	\$0.00	0	0	0	0

## Unit holdings by tranche

1. To view the Unit Holdings by Tranche, click the **View By** drop-down and select **Tranche**.
2. To view the details, click the expand buttons.

For an explanation of the column headings, see [SRA interface terms on page 77](#).

Unit Holdings									1 <div>View By Tranche</div>			
2	Directional Interconnector	Min Avail Units	Units Allocated	Unit Price	Current Holding	Purchase Payment	Cancelled Units	Cancellation Payment	Originally Purchased	Returned Units	Transferred From	Transferred To
<div></div>	Tranche: C2019Q3T01											
	NSW1-QLD1 / NSW1	45	45	\$2,982.23	0	\$0.00	0	\$0.00	0	0	0	0
	NSW1-QLD1 / QLD1	100	100	\$4,217.00	0	\$0.00	0	\$0.00	0	0	0	0
	V-SA / SA1	64	64	\$940.07	0	\$0.00	0	\$0.00	0	0	0	0
	V-SA / VIC1	73	73	\$41,045.62	0	\$0.00	0	\$0.00	0	0	0	0
	VIC1-NSW1 / NSW1	108	108	\$608.24	0	\$0.00	0	\$0.00	0	0	0	0
	VIC1-NSW1 / VIC1	125	125	\$5,426.00	0	\$0.00	0	\$0.00	0	0	0	0
		515	515		0	\$0.00	0	\$0.00	0	0	0	0
<div></div>	Tranche: C2019Q3T02											
		515	515		0	\$0.00	0	\$0.00	0	0	0	0
<div></div>	Tranche: C2019Q3T03											
		515	515		0	\$0.00	0	\$0.00	0	0	0	0
<div></div>	Tranche: C2019Q3T04											

## Billing by billing week

1. To view Billing reconciliation by billing week, click the **View By** drop-down and select **Billing Week**.
2. To view the details, click the expand buttons.

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

Directional Interconnector: VIC1-NSW1 / VIC1

1,125

1,125

19

\$104,067.72

\$5,216,508.75

19

Billing

1

View By

Billing Week

2

Directional Interconnector

Gross IRSR Received

Fees Payment

Net IRSR Received

Billing Week: 201914

NSW1-QLD1 / NSW1

\$0.00

\$0.00

\$0.00

NSW1-QLD1 / QLD1

\$421,697.88

-\$7,368.90

\$414,328.98

V-SA / SA1

\$1,947.40

-\$153.90

\$1,793.50

V-SA / VIC1

\$982.39

-\$982.39

\$0.00

VIC1-NSW1 / NSW1

\$64,338.48

-\$389.55

\$63,948.93

VIC1-NSW1 / VIC1

\$149.30

-\$149.30

\$0.00

\$489,115.45

-\$9,044.04

\$480,071.41

Billing Week: 201915

## Billing by directional interconnector

1. Click the **View By** drop-down and select **Directional Interconnector**.
2. To view the details, click the expand buttons.

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

Directional Interconnector: VIC1-NSW / VIC1

1,125

1,125

19

\$104,067.72

\$5,216,508.75

19

Billing

1

View By

Directional Interconnector

2

Billing Week

Gross IRSR Received

Fees Payment

Net IRSR Received

Directional Interconnector: NSW1-QLD1 / NSW1

201914

\$0.00

\$0.00

\$0.00

201915

\$0.00

\$0.00

\$0.00

201916

\$0.00

\$0.00

\$0.00

201917

\$4.98

-\$4.98

\$0.00

201918

\$109.54

-\$109.54

\$0.00

201919

\$31.81

-\$31.81

\$0.00

201920

\$10.12

-\$10.12

\$0.00

201921

\$0.00

\$0.00

\$0.00

201922

\$69.49

-\$69.49

\$0.00

\$225.94

-\$225.94

\$0.00

Directional Interconnector: NSW1-QLD1 / QLD1

# Chapter 5 View Auction

The **View Auction** menu displays all available results for a single Auction.

<b>View Auctions</b> .....	<b>18</b>
<b>Viewing auctions by directional interconnector</b> .....	<b>19</b>
<b>Viewing auctions by tranche</b> .....	<b>19</b>

## View Auctions

Selecting an Auction ID displays the Start, End and Notify Dates and the Auction Status. Public and private information displays, with your organisation's confidential information visible only to you.

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Auction**.
2. If there is an Auction open it displays, otherwise the Status and details about the latest Auction display: **Start Date**, **End Date**, **Notify Date**, and **Status**.
3. To see details for other Auctions, click the **Auction ID** drop-down and select from the list.
4. Your company's Confidential Information displays in red, visible only to the Participant ID's Participant Users.
5. For details about viewing the Auction by Directional Interconnector (default view), see [Viewing auctions by directional interconnector on the next page](#).
6. For details about viewing the Auction by Tranche, see [Viewing auctions by tranche on the next page](#).

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

**SRA View Auction** 1 2 Start Date: 02/09/2019 | End Date: 16/09/2019 | Notify Date: 02/09/2019 | Status: Completed | Auction ID: A201909 3

Unit Holdings 4 View By: Directional Interconnector

Tranche	Auction Fee	Min Avail Units	Units Allocated	Unit Price	Total Purchases	Current Holding	Purchase Payment	Cancelled Units	Cancellation Payment	Originally Purchased	Returned Units	Transferred From	Transferred To
<b>Directional Interconnector: NSW1-QLD1 / NSW1</b>													
		550	565		\$214,467.20	0	\$0.00	0	\$0.00	0	0	0	0
<b>Directional Interconnector: NSW1-QLD1 / QLD1</b>													
		1200	1200		\$4,630,900.00	0	\$0.00	0	\$0.00	0	0	0	0
<b>Directional Interconnector: V-SA / SA1</b>													
		770	770		\$1,540,700.00	0	\$0.00	0	\$0.00	0	0	0	0
<b>Directional Interconnector: V-SA / VIC1</b>													
		880	908		\$879,160.00	0	\$0.00	0	\$0.00	0	0	0	0
<b>Directional Interconnector: VIC1-NSW1 / NSW1</b>													
		1300	1300		\$1,071,308.00	0	\$0.00	0	\$0.00	0	0	0	0
<b>Directional Interconnector: VIC1-NSW1 / VIC1</b>													
		1500	1500		\$3,417,000.00	0	\$0.00	0	\$0.00	0	0	0	0

## Viewing auctions by directional interconnector

1. Click the **View By** drop-down and select **Directional Interconnector**.
2. To view the details, click the expand buttons.

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

**SRA View Auction** Start Date: 02/09/2019 | End Date: 16/09/2019 | Notify Date: 02/09/2019 | Status: Completed | Auction ID: A201909

Unit Holdings View By: Directional Interconnector 1

Tranche	Auction Fee	Min Avail Units	Units Allocated	Unit Price	Total Purchases	Current Holding	Purchase Payment	Cancelled Units	Cancellation Payment	Originally Purchased	Returned Units	Transferred From	Transferred To
<b>Directional Interconnector: NSW1-QLD1 / NSW1</b>													
C2019Q4T12	\$33.89	55	55	\$184.00	\$10,120.00	0	\$0.00	0	\$0.00	0	0	0	0
C2020Q1T11	\$56.69	45	45	\$150.00	\$6,750.00	0	\$0.00	0	\$0.00	0	0	0	0
C2020Q2T10	\$14.63	45	49	\$88.00	\$4,312.00	0	\$0.00	0	\$0.00	0	0	0	0
C2020Q3T09	\$10.79	45	49	\$89.10	\$4,365.90	0	\$0.00	0	\$0.00	0	0	0	0
C2020Q4T08	\$27.74	45	45	\$150.00	\$6,750.00	0	\$0.00	0	\$0.00	0	0	0	0
C2021Q1T07	\$42.77	45	45	\$150.00	\$6,750.00	0	\$0.00	0	\$0.00	0	0	0	0
C2021Q2T06	\$7.91	45	49	\$95.70	\$4,689.30	0	\$0.00	0	\$0.00	0	0	0	0
C2021Q3T05	\$6.83	45	48	\$360.00	\$17,280.00	0	\$0.00	0	\$0.00	0	0	0	0
C2021Q4T04	\$21.95	45	45	\$150.00	\$6,750.00	0	\$0.00	0	\$0.00	0	0	0	0
C2022Q1T03	\$35.47	45	45	\$800.00	\$36,000.00	0	\$0.00	0	\$0.00	0	0	0	0
C2022Q2T02	\$7.94	45	45	\$800.00	\$36,000.00	0	\$0.00	0	\$0.00	0	0	0	0
C2022Q3T01	\$0.00	45	45	\$1,660.00	\$74,700.00	0	\$0.00	0	\$0.00	0	0	0	0
		550	565		\$214,467.20	0	\$0.00	0	\$0.00	0	0	0	0
<b>Directional Interconnector: NSW1-QLD1 / QLD1</b>													
		1200	1200		\$4,630,900.00	0	\$0.00	0	\$0.00	0	0	0	0
<b>Directional Interconnector: V-SA / SA1</b>													

## Viewing auctions by tranche

1. Click the **View By** drop-down and select **Directional Interconnector**.
2. To view the details, click the expand buttons.

For an explanation of the interface fields, see [SRA interface terms on page 77](#).



## SRA View Auction

Start Date: 02/09/2019 | End Date: 16/09/2019 | Notify Date: 02/09/2019 | Status: Completed | Auction ID: A201909

## Unit Holdings

View By: 1  
Tranche

2	Directional Interconnector	Auction Fee	Min Avail Units	Units Allocated	Unit Price	Total Purchases	Current Holding	Purchase Payment	Cancelled Units	Cancellation Payment	Originally Purchased	Returned Units	Transferred From	Transferred To
<input type="checkbox"/>	Tranche: C2019Q4T12													
	NSW1-QLD1 / NSW1	\$33.89	55	55	\$184.00	\$10,120.00	0	\$0.00	0	\$0.00	0	0	0	0
	NSW1-QLD1 / QLD1	\$17.17	100	100	\$1,000.00	\$100,000.00	0	\$0.00	0	\$0.00	0	0	0	0
	V-SA / SA1	\$2.81	66	66	\$750.00	\$49,500.00	0	\$0.00	0	\$0.00	0	0	0	0
	V-SA / VIC1	\$94.44	77	77	\$500.00	\$38,500.00	0	\$0.00	0	\$0.00	0	0	0	0
	VIC1-NSW1 / NSW1	\$3.14	112	112	\$500.00	\$56,000.00	0	\$0.00	0	\$0.00	0	0	0	0
	VIC1-NSW1 / VIC1	\$34.00	125	125	\$1,604.00	\$200,500.00	0	\$0.00	0	\$0.00	0	0	0	0
			535	535		\$454,620.00	0	\$0.00	0	\$0.00	0	0	0	0
<input type="checkbox"/>	Tranche: C2020Q1T11													
			515	515		\$629,232.00	0	\$0.00	0	\$0.00	0	0	0	0

# Chapter 6 View Transfers and Returns

This chapter explains how to view transfers and returns by flat and transfer ID.

View transfers and returns by flat view .....	21
View transfers and returns by transfer ID .....	21

## View transfers and returns by flat view

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Transfers, Returns**.
2. Click the **View By** drop-down and select **Flat** (default view).

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

### SRA View Transfers, Returns

Transfers		View By	Flat	2			
Transfer ID	From Participant ID	To Participant ID	Tranche	Directional Interconnector	From Region	Units Transferred	Comments
SRA_000012	PARTICIPANT1	PARTICIPANT3	C2018Q1T01	VIC1-NSW1	VIC1	5	
SRA_000011	PARTICIPANT2	PARTICIPANT1	C2017Q3T01	NSW1-QLD1	QLD1	10	
SRA_000011	PARTICIPANT2	PARTICIPANT1	C2017Q4T01	NSW1-QLD1	QLD1	20	
Returns		View By	Flat	2			
Transfer ID	From Participant ID	Tranche	Directional Interconnector	From Region	Units Transferred	Re-Auction Tranche	Comments
SRA_000012	PARTICIPANT1	C2017Q4T01	VIC1-NSW1	VIC1	5	C2018Q1T01	

## View transfers and returns by transfer ID

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Transfers, Returns**.
2. Click the **View By** drop-down and select **Transfer ID**.
3. To view the details, click the expand buttons.

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

## SRA View Transfers, Returns

## Transfers

View By

Transfer ID ▼

2

3	Transfer ID	From Participant ID	To Participant ID	Tranche	Directional Interconnector	From Region	Units Transferred	Comments
<input type="checkbox"/>	Transfer ID: SRA_000011							
	SRA_000011	PARTICIPANT1	PARTICIPANT3	C2018Q1T01	VIC1-NSW1	VIC1	5	
	SRA_000011	PARTICIPANT2	PARTICIPANT1	C2017Q3T01	NSW1-QLD1	QLD1	10	
<input type="checkbox"/>	Transfer ID: SRA_000012							

## Returns

View By

Transfer ID ▼

Transfer ID	From Participant ID	Tranche	Directional Interconnector	From Region	Units Transferred	Re-Auction Tranche	Comments
SRA_00001	PARTICIPANT1	C2017Q4T01	VIC1-NSW1	VIC1	5	C2018Q1T01	

# Chapter 7 Enter Bid

Providing you are a Registered SRA Auction Participant, you can use the **Enter Bid** interface to submit a Bid File for an open Auction.

The system validates all Bids and returns a validation or rejection notification. For details, see [Bid acknowledgement on page 57](#).

For other ways to submit Bids, see [Submitting a bid or offer file on page 8](#).

<b>Enter bid rules</b> .....	<b>23</b>
<b>Bid types</b> .....	<b>24</b>
<b>Enter a bid</b> .....	<b>25</b>
<b>Edit a bid</b> .....	<b>27</b>

## Enter bid rules

- You can only access the **Enter Bid** menu while an Auction is open.
- You can enter up to 2000 different Bids in each Bid File for an open Auction. Each Bid Product specifies the Bid ID / Price, Tranche, Directional Interconnector and Units you intend to Bid.
- For each Auction, your last Bid File received and acknowledged as valid by the SRA system is your Active Bid, it takes the place of all earlier submitted Bids. The Active Bid, highlighted in orange on the **SRA View Bid** interface, is the one processed when the Auction closes.
- Bids are submitted until the close of the Auction at 14:00 AEST on the End Date specified in the **View Auction** menu. For help, see [View Auction on page 18](#).

## Bid types

### Single bid

A Single Bid is a Bid with one Bid ID / Price for one Tranche, Directional Interconnector and a specified number of Units. You can have many Single Bids in a Bid File. Below is an example of a Single Bid.

For more details about bid types, see the **Settlement Residue Auction**

Bid ID / Price	Tranche	Directional Interconnector	Units Offered	Units
1 \$10.00	C2010Q3T04	NSW1-QLD1 / NSW1	100	100

### Linked bid

A Linked Bid is when you create a Bid with one single Bid ID / Price and assign Units from multiple Category or Quarter combinations. The Bids are linked via the Bid ID / Price.

#### Linked category bid

If in the one Bid File, you Bid for Units on the V-SA/SA1 Directional Interconnector and you Bid for Units on the V-SA/VIC1 Directional Interconnector using the same Bid ID / Price, the two are linked within the Bid File. Below is an example of a Linked Category Bid.

Bid ID / Price	Tranche	Directional Interconnector	Units Offered	Units
1 \$10.00	C2010Q3T04	V-SA / SA1	100	100
1 \$10.00	C2010Q3T04	V-SA / VIC1	175	100

#### Linked quarter bid

Using the same Bid ID / Price to Bid for a range of Tranches links the Bids within the Bid File. You can bid for a single Directional Interconnector or a combination of Directional Interconnectors for a period of up to twelve calendar Quarters. Below is an example of a Linked Quarter Bid.

Bid ID / Price	Tranche	Directional Interconnector	Units Offered	Units
1 \$10.00	C2010Q3T04	V-SA / SA1	100	100
1 \$10.00	C2010Q4T03	V-SA / SA1	100	100
1 \$10.00	C2011Q1T02	V-SA / SA1	100	100
1 \$10.00	C2011Q2T01	V-SA / SA1	100	100

### Bid File

One Bid File can contain a collection of Single, Linked Category Bids, Linked Quarter Bids, or both.

Bid ID / Price	Tranche	Directional Interconnector	Units Offered	Units
3 \$30.00	C201004T03	V-SA / VIC1	175	40
3 \$30.00	C201003T04	V-SA / VIC1	175	30
3 \$25.00	C201004T03	VIC1-NSW1 / NSW1	325	50
7 \$20.00	C201004T03	V-SA / VIC1	175	50
1 \$10.00	C201003T04	NSW1-QLD1 / NSW1	135	100

Linked Quarter Bid

Linked Category Bid

Single Bid

## Enter a bid

If you are creating a large Bid File or you get interrupted while creating it, you can export it to prevent it from being lost. For help, see [Exporting Bids and Offers on page 42](#).

The **SRAEnter Bid** interface has a session that lasts around an hour. When the session nears its end, a message displays asking if you want to keep the session alive. Click **Yes** to reset the session for another hour or **No** if you want to log out.

One Bid File can contain a collection of Single, Linked Category Bids, Linked Quarter Bids, or both.

You create a Bid File by first creating Bid Products and inserting them into your Bid File:

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **Enter Bid**.
2. The **SRA Enter Bid** interface displays with the current open **Auction ID**. If **N/A** displays under the **Auction ID**, it means there is no open Auction. Check the calendar for Auction dates. For help, see [View Calendar on page 11](#).
3. To start creating your Bid File, Click **New Bid**.
4. The **New Bid ID** window displays, where you enter the Bid details. All fields are required.
5. Enter The **Bid Price** in currency format, without the dollar sign (for example 123.45) and click **OK**.
6. The number of the Bid Product displays. Each Bid Product becomes a row in the Bid File.
7. Click the **Tranche** drop-down and select from list.

The Bid File is not saved if it is not submitted. If you leave the **SRA Enter Bid** interface without submitting the Bid File, it is removed and you must create it again.

You can change any Bid details before you submit the Bid by clicking the field in the **SRA Enter Bid** interface.

8. Click the **Directional Interconnector** drop-down and select from list.
9. Enter the **Units** required.
10. Click **Add**.
11. To return to the **SRA Enter Bid** interface without adding a Bid, click **Cancel**.
12. Continue adding Single or Linked Bids (see **Bid types on page 24**) to your Bid File by repeating the above steps.
13. When you have finished, review your Bid File and in the bottom right of the interface, click **Submit Bid**.
14. Once you click **Submit Bid** your Bid File moves from the Enter Bid interface to the **SRA View Bids** interface. For help, see **View Bids on page 28**.
15. For help importing a prepared Bid, see **Importing Bids and Offers on page 43**.

The SRA system does not process your Bid File unless you have clicked **Submit Bid** and the Status in the **SRA View Bids>** interface is **Valid**. For help, see **View Bids on page 28**.

The screenshot shows the 'SRA Enter Bid' interface. At the top, there's a header 'SRA Enter Bid'. Below it, 'Auction ID' is 'A201906' (callout 2) and 'View By' is 'Flat'. A 'Bid ID / Price' dropdown is visible. A modal window titled 'New Bid ID 1' (callout 4) is open in the center. It contains fields for 'Bid Price' (callout 5), 'First Bid Product' (callout 6), 'Tranche' (callout 7) with a dropdown showing 'C2019Q3T12', 'Directional Interconnector' (callout 8) with a dropdown showing 'NSW1-QLD1 / NSW1', and 'Units' (callout 9). At the bottom of the modal are 'Cancel' and 'Add' buttons (callout 10). In the background, an 'Import Bid' button is at the top right (callout 15), and a 'Directional Interconnector' dropdown is below it. At the bottom of the main interface, there are buttons: 'Cancel Bid' (callout 11), '+ New Bid' (callout 3), 'Clear' (callout 10), and 'Submit Bid' (callout 13).

## Edit a bid

To edit an unsubmitted Bid:

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **Enter Bid**.
2. On the **SRA Enter Bid** interface, next to the Bid to edit, click either the **Bid ID / Price, Tranche, Directional Interconnector, or Units** and type or select the change. For help, see [Offer file example on page 36](#).



# Chapter 8 View Bids

This chapter explains viewing, copying, and printing Bid information.

<b>Viewing bids</b> .....	<b>28</b>
<b>Viewing bid files</b> .....	<b>29</b>
<b>Copy a bid file</b> .....	<b>30</b>
<b>View public bids</b> .....	<b>30</b>
<b>Print bids</b> .....	<b>32</b>

## Viewing bids

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Bids**.
2. The **SRA View Bids** interface displays your Bid Files for the current Auction. Each row represents a bid submission, regardless of how it was submitted. For help, see [Submitting a bid or offer file on page 8](#).
3. Click the **Auction ID** drop-down to see Bid Files for Pending and Completed Auctions.
4. Click a column heading to sort the Bids according to the column name.
5. Your **Active Bid** is the Bid row highlighted in orange.
6. Your Bid is not accepted unless the status is **Valid**.
7. To View a Bid, see [Viewing bid files on the next page](#).
8. To Copy a Bid, [Copy a bid file on page 30](#).

**SRA View Bids** 2

Auction ID 3 A201903 Active Bid

Load Date Time <span>4</span>	File name	Status <span>6</span>	<span>7</span>	<span>8</span>
15/03/2019 10:51:24 <span>5</span>	WEB_A201903_20190315105124.csv	Valid	<a href="#">View Bids</a>	<a href="#">Copy Bid</a>
15/03/2019 10:45:23	WEB_A201903_20190315104523.csv	Valid	<a href="#">View Bids</a>	<a href="#">Copy Bid</a>
15/03/2019 10:25:27	WEB_A201903_20190315102527.csv	Valid	<a href="#">View Bids</a>	<a href="#">Copy Bid</a>
15/03/2019 09:08:21	WEB_A201903_20190315090821.csv	Valid	<a href="#">View Bids</a>	<a href="#">Copy Bid</a>
14/03/2019 14:50:21	WEB_A201903_20190314145021.csv	Valid	<a href="#">View Bids</a>	<a href="#">Copy Bid</a>

Showing 1 to 5 of 5 rows ← →

## Viewing bid files

To view a previously submitted Bid File:

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Bids**.
2. Next to the Bid you want to view, click **View Bid**.
3. The SRA View Bid interface displays with the Bid ID / Price, Tranche, Directional Interconnector and Units in the Bid File.
4. You can group the Bid File by Bid ID / Price, Directional Interconnector, Tranche, or Flat.
5. To download a csv file with all Bids in the Bid File, click **Export Bid** and save it to your local folder.

For an explanation of the interface fields, see [SRA interface terms on page 77](#).

## SRA View Bids

PARTICIPANT\_SRBID\_A201909.152017.I190913

Auction ID  
A201909

View By  
 Flat  
 Bid ID  
 Directional Interconnector  
 Tranche  
 Flat

4

5 Export Bid

Bid ID / Price	Tranche	Directional Interconnector	Units
1 \$250.00000	C2019Q4T12	NSW1-QLD1 / NSW1	4
2 \$222.00000	C2019Q4T12	NSW1-QLD1 / NSW1	4
3 \$194.00000	C2019Q4T12	NSW1-QLD1 / NSW1	4
4 \$167.00000	C2019Q4T12	NSW1-QLD1 / NSW1	4
5 \$139.00000	C2019Q4T12	NSW1-QLD1 / NSW1	4

## Copy a bid file

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click View Bids.
2. The SRA View Bids screen displays your Bid Files for the current open Auction. Click Copy Bid next to the Bid File you want to copy. For help, see [View Bids on page 28](#).
3. The system copies the Bid File to the SRA Enter Bid interface where you can review and change it before clicking Submit Bid. For help, see [Enter Bid on page 23](#).

You can only copy Bids when the Auction Status is Open, otherwise the Copy Bid button is not visible.

## View public bids

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click View Public Bids.
2. The SRA View Public Bids interface displays all Bids from the latest completed Auction.
3. To view public Bids for another Auction, click the Auction drop-down arrow and select an Auction from the list.

The public Bid information is anonymous, no Confidential Information displays.

- You can change the view to display the Bids by Flat (default view, not grouped), Bid ID, Directional Interconnector, and Tranche.
- To download a csv file with all public Bids, click **Export Bid** and save it to your local folder.
- Use the arrows at the bottom of the interface to see all results.

## SRA View Public Bids

3

Auction

A201909

Completed

View By

4

Flat

Bid ID

Directional Interconnector

Tranche

Flat

5

Export Bid

Bid ID / Price		Directional Interconnector	Units	Clearing Price	
231074	\$236.00000	C2020Q4T08	NSW1-QLD1 / NSW1	4	\$150.00
231075	\$334.00000	C2020Q1T11	V-SA / VIC1	10	\$334.00
231076	\$2002.00000	C2021Q2T06	V-SA / VIC1	5	\$960.30
231077	\$12375.00000	C2020Q3T09	VIC1-NSW1 / VIC1	10	\$2,792.00
231078	\$500.00000	C2020Q2T10	V-SA / SA1	5	\$1,250.00
231079	\$4065.00000	C2022Q3T01	V-SA / VIC1	18	\$4,065.00
231080	\$150.00000	C2020Q1T11	NSW1-QLD1 / NSW1	25	\$150.00
231081	\$468.00000	C2020Q2T10	V-SA / VIC1	5	\$334.00
231082	\$12126.00000	C2021Q3T05	V-SA / SA1	5	\$2,990.00
231083	\$8938.00000	C2022Q1T03	VIC1-NSW1 / VIC1	10	\$2,729.00
231084	\$226.00000	C2020Q4T08	NSW1-QLD1 / NSW1	5	\$150.00
231085	\$1754.00000	C2021Q1T07	VIC1-NSW1 / VIC1	45	\$2,729.00
231086	\$5340.00000	C2020Q1T11	VIC1-NSW1 / VIC1	12	\$1,604.00
231087	\$401.00000	C2021Q1T07	V-SA / VIC1	10	\$334.00
231088	\$3110.00000	C2021Q3T05	VIC1-NSW1 / NSW1	10	\$1,778.00
231089	\$2005.00000	C2019Q4T12	VIC1-NSW1 / VIC1	5	\$1,604.00
231090	\$17550.00000	C2021Q3T05	VIC1-NSW1 / NSW1	20	\$1,778.00

Showing 1 to 100 of 881 rows

6

←

→

## Print bids

You can print public and private Bids by exporting the Bid File to your local folder and printing it. For help, see [View Bids on page 28](#).

# Chapter 9 Enter Offer

Providing you are a Registered SRA Auction Participant, you can use the **Enter Offer** interface to submit an Offer File for an open Auction.

The system validates all Offers and returns a validation or rejection notification. For details, see [Acknowledgement on page 57](#).

For other ways to submit Offers, see [Submitting a bid or offer file on page 8](#).

<b>Enter offer validation rules</b> .....	<b>33</b>
<b>Offer types</b> .....	<b>34</b>
<b>Enter an offer</b> .....	<b>34</b>
<b>Edit an offer</b> .....	<b>36</b>

## Enter offer validation rules

1. The Auction is open. For help, see [SRA Dates 2019 and 2020](#). You can only access the interface during the Offer Period while the Auction is open.
2. The Participant ID has signed the new version of the [Auction Participant Agreement](#) (APA) allowing them to Offer and Cancel Units.
3. The Participant ID is a registered SRA Auction Participant.
4. The SRA Auction Participant has a unit allocated to them for that Category and Relevant Quarter that is not already cancelled.
5. The Tranche ID is valid.
6. The Directional Interconnector ID and From Region ID are valid.
7. The Offer quantity is an integer value.
8. The SRA Auction Participant has enough Trading Limit (Cash Security) to keep their Trading Margin equal to or greater than zero.

The last valid Offer File submitted and acknowledged is the **Active Offer**, replacing all earlier submitted Offers. The Active Offer is highlighted on the View Offers interface and is the Offer processed when the Auction closes.

9. You can submit up to 2000 different Offers in each Offer File for an open Auction.
10. You have a one-hour session to enter your offer. A message displays towards the end of the session to confirm if you want to continue or end the session. If you want to keep your data, click **Continue**.
11. You can submit and create Offers with one Offer ID and Price for one Tranche, Directional Interconnector and a specified number of Units.
12. The SRA system does not process: Offers **not submitted**, **invalid**, or **deleted**.

## Offer types

### Active offer

For each Auction, the system overwrites an earlier Offer File with a current Offer File. For example:

1. At 8:00 am, you submit an initial Offer File with 16 Offers.
2. At 8:06 am, you submit another Offer File with only one Offer.
3. The system discards the Offer File you made at 8:00 am.
4. The Offer File you made at 8:06 am becomes the Active Offer.

**There are no Linked Offers. AEMO processes Offers for single Unit Categories and Relevant Quarters only.**

### Enter an offer

To enter an Offer in the Markets Portal interface:

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **Enter Offer**.
2. Click **New Offer** and enter the following details (all fields are required).

For an Offer example, see [Offer file example on page 36](#).

3. **Offer Price:**  
Enter a price without the dollar sign, either manually or using the arrows. A valid price is greater than zero and has up to five decimal points.
4. **Tranche:**  
Select a valid Tranche from the drop-down menu.
5. **Directional Interconnector:**  
Select a valid Directional Interconnector from the drop-down menu.
6. **Offered Units:**  
Enter the number of Units, either manually or using the arrows. The Units Offered must be greater than zero.
7. Click **Add** to add the Offer to the Offer File.
8. Continue steps 2-7 until your Offer File is complete and then click **Submit Offer**.  
To check if your Offer is successful, look for a **Validstatus** on the **View Offers** interface. For help, see [View Offers on page 37](#).
9. To edit an unsubmitted Offer, click a field and type or select another option. For help, see [Edit an offer on the next page](#).
10. Invalid Offers have an orange indicator.
11. To delete an Offer from the Offer File, next to the Offer, click the rubbish bin icon.
12. To view Offers by Flat, Offer ID, Directional Interconnector, and Tranche, select the option from the **View By** drop-down. The default view is Flat.
13. To remove an Offer File, Click **Cancel Offer**. For help, see [Delete or Cancel Bids or Offers on page 40](#).
14. To export an Offer File, click **Export Offers** and save it to your local folder.
15. To upload a prepared Offer File, click **Import Offers**. For help, see [Importing Bids and Offers on page 43](#).

A message displays if any fields are blank or invalid. For help, see [Acknowledgement on page 57](#).

If any part of the Offer File fails validation, the whole submission is rejected.



Figure 2 Offer file example

**SRA Enter Offer**

Auction ID: A201906

View By: **12** (Flat)

Export Offers | Import Offers

Offer ID / Price	Tranche	Directional Interconnector	Min Avail Units	Units	
1 \$2.00000	C2019Q3T12	NSW1-QLD1 / NSW1	48	10	<b>10</b> (Green checkmark) <b>9</b> (Red X) <b>11</b> (Trash icon)
2 \$4.00000	C2019Q3T12	V-SA / SA1	42	12	<b>11</b> (Trash icon)

**New Offer ID 1**

Offer Price: 3.12345 **3**

Tranche: C2019Q3T12 **4**

Directional Interconnector: NSW1-QLD1 / NSW1 **5**

Min Avail Units: 58

Units: 20 **6**

Cancel **7** Add

**13** Cancel Offer **2** + New Offer **8** Submit Offer

## Edit an offer

To edit an unsubmitted Offer:

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **Enter Offer**.
2. On the **SRA Enter Offer** interface, next to the Offer to edit, click either the **Offer ID / Price**, **Tranche**, **Directional Interconnector**, or **Units Offered** and type or select the change. For help, see [Offer file example above](#).

# Chapter 10 View Offers

SRA Auction Participants can use this interface to see their current open Offers and the total number of Offers cleared.

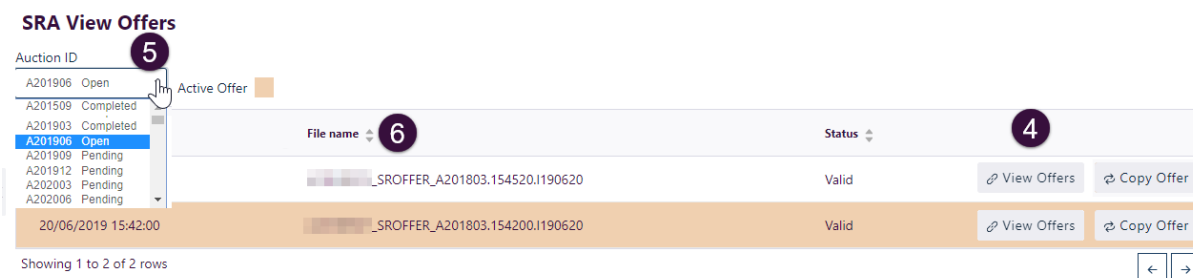
<b>View submitted offers</b> .....	<b>37</b>
<b>Copy an offer file</b> .....	<b>38</b>
<b>View public offers</b> .....	<b>38</b>

## View submitted offers

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Offer**.
2. The SRA View Offers interface, displays all submitted Offers, regardless of how you submitted them. For help, see [Submitting a bid or offer file on page 88](#).
3. The default display is the current open or latest Auction. Displayed are the:
  - a. **Auction ID**
  - b. **Load Date Time**
  - c. **File Name**
  - d. **Status**
4. To see the Offers in the Offer File, click **View Offers** next to the Offer File.
5. To view Offers for earlier Auctions, click the **Auction ID** drop-down arrow and select the Auction.
6. To sort Offers, click the arrows next to the **Load Date Time**, **File Name**, or **Status** headings.

For an example of the interface, see [View offer example on the next page](#).

Figure 3 View offer example



## Copy an offer file

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Offer**.
2. On the **SRA View Offers** interface find the Offer you want to copy and click **Offer**. For help, see [View Offers on the previous page](#).
3. The Offer File displays in the SRA Enter Offer interface where you can edit and submit it. For help, see [Enter an offer on page 34](#) and [Edit an offer on page 36](#).

## View public offers

**Public Offer information is anonymous.**

Once an Auction closes, SRA Auction Participants can use this interface to view all public Offers.

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Public Offers**.
2. The View Public Offers interface displays with the following details:
  - a. Offer ID/Price
  - b. Tranche
  - c. Directional Interconnector
  - d. Units Offered
  - e. Clearing Price

3. To view the public Offers for each Auction, select the **Auction ID** drop-down arrow.
4. To view public Offers by Flat, Offer ID, Directional Interconnector, or Tranche, click the **View By** drop-down. The default view is Flat.
5. To export an Offers csv file to you local folder, click **Export offers**.

Figure 4 View public offers example

**SRA View Public Offers**

Auction ID **3** View By **4** **5** Export offers

Offer ID / Price	Tranche	Directional Interconnector	Units	Clearing Price
1035001 \$4.00000	C2020Q4T07	NSW1-QLD1 / QLD1	1	\$0.00
1041001 \$1.20000	C2019Q3T12	NSW1-QLD1 / NSW1	8	\$0.00
2019061 \$0.00000	C2019Q3T12	NSW1-QLD1 / NSW1	55	\$0.00

# Chapter 11 Delete or Cancel Bids or Offers

Delete an unsubmitted bid or offer .....	40
Cancel a submitted bid or offer file .....	40
Cancel a single bid or offer in a submitted file .....	41

## Delete an unsubmitted bid or offer

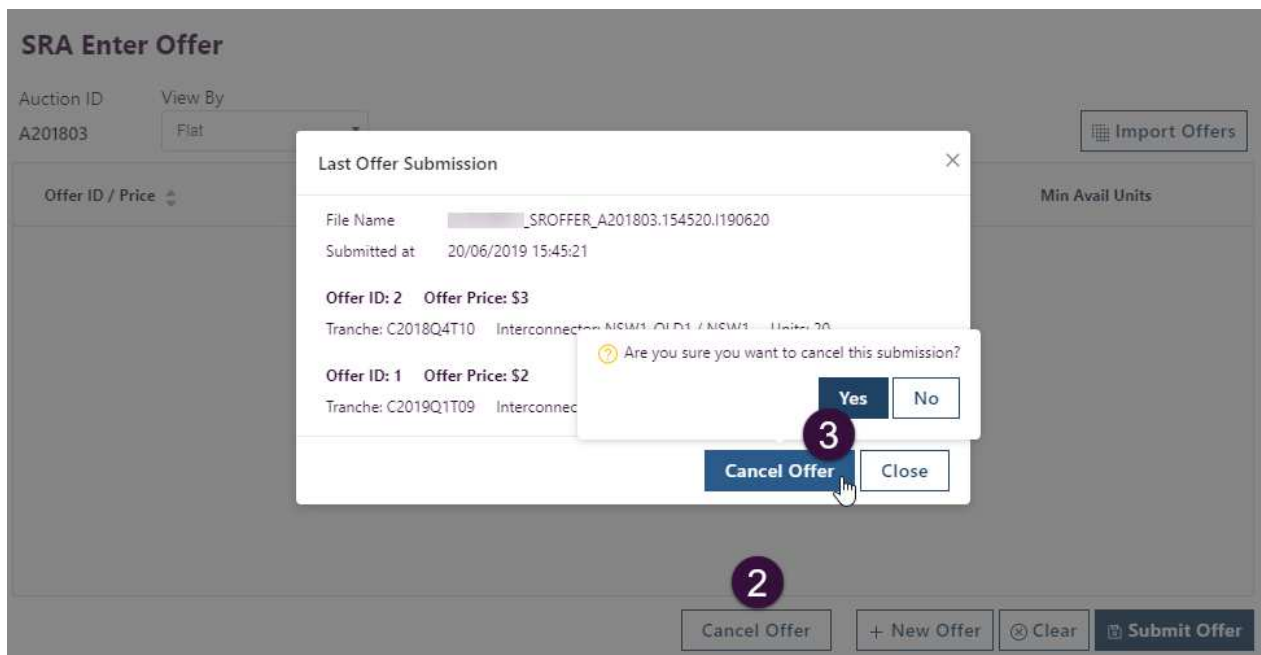
To delete an unsubmitted Bid or Offer in a file, click the row in the **SRA Enter Bid** or **SRA Enter Offer** interface to select it and then click the rubbish icon. For help, see [Offer file example on page 36](#).

## Cancel a submitted bid or offer file

You can cancel a Bid or Offer File by submitting an empty file using any of the [Submitting a bid or offer file on page 8](#).

**Cancelling a Bid or Offer File means the last valid Bid or Offer File you enter is empty and no Bids or Offers are submitted in the Auction.**

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **Enter Bid** or **Enter Offer**.
2. Depending on your selection, the **SRA Enter Bid** or **Offer** interface displays. At the bottom of the interface, click **Cancel Bid** or **Offer**. For help, see [Enter Bid on page 23](#) or [Enter Offer on page 33](#).
3. Your latest Bid or Offer File submission displays. Click **Cancel Bid** or **Cancel Offer** and **Yes** to **Are you sure you want to cancel this submission?**
4. On the cancellation successful message, click **Close**. Depending on your selection, you now have no submitted Bid or Offer Files in the Auction.



## Cancel a single bid or offer in a submitted file

To cancel a single Bid or Offer in a submitted File:

1. Follow the steps for [Copy a bid file on page 30](#) or [Copy an offer file on page 38](#).
2. Remove the Bid or Offer you want to cancel and click **Submit**.

# Chapter 12 Exporting Bids and Offers

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## Exporting open auction and historic bids and offers

You can export open Auction and historic Bid and Offer Files to your local computer from the **View Bids** or **View Offers** interfaces. For help, see:

- [Viewing bid files on page 29.](#)
- [View Offers on page 37.](#)

Because it is important to maintain the csv format, exporting Bid or Offer Files provides an easy way to manipulate the data to create a new Bid or Offer File.

## Exporting public bids and offers

You can export public Bids or Offers from the **View Public Bids** or **View Public Offers** interfaces. For help, see:

- [View public bids on page 30.](#)
- [View public offers on page 38.](#)

## Export and save the bid file

1. Depending on which Bid File you want to export, follow the steps for [Viewing bid files on page 29](#) or [View public bids on page 30](#).
2. Find the location to save your file and enter one of the following file names and extensions:
  - a. ParticipantID\_SRBID\_AuctionID.I0x, where x is the Bid File version. This format is best viewed in a plain text format such as Notepad. By default the Bid Files are number I01, I02 etc. for each subsequent version.
  - b. ParticipantID\_SRBID\_AuctionID.csv. This format opens in a spreadsheet or plain text file, such as Notepad.

# Chapter 13 Importing Bids and Offers

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## Import a bid or offer file

1. Prepare the Bid or Offer File by doing one of the following:
  - a. Export an existing file from the current open Auction and change the details, see [Exporting Bids and Offers on page 42](#).
  - b. Create the file from scratch in spreadsheet or plain text format as described in [Preparing a bid or offer file below](#).
2. Name your file with the correct file format. For help, see [Bid and offer filename on page 48](#).
3. Import the file to the **SRA Enter Bid**, **Enter Offer**, or Participant File Server interfaces. For help, see [Importing Bids and Offers above](#).

## Preparing a bid or offer file

To prepare a Bid or Offer File, you can create it from scratch or you can export an existing Bid or Offer and change the data, copy, pasting, and editing rows to add more Bids or Offers to your file. Exporting an existing Bid or Offer is the easiest option. For help, see [Exporting Bids and Offers on page 42](#).

It is important to maintain the Bid or Offer File structure, matching the exact columns (including blank ones). Each column is a vital placeholder and without them, the SRA system cannot read your file. Extra columns in files also cause rejection of the file.



## Csv file structure

### Bid file data

#### Bid record fields

The table below explains the data in the Bid File. You must include the mandatory data identified in the first column with an asterisk (\*), otherwise your Bid File is not valid and is not accepted (do not include the asterisk in your file).

Column or Label	SRA Enter Bid field	Comments
COLUMN A*	n/a	C or D in column A indicates you can change data in the row – all data must be in upper case. I in column A indicates a data structure; do not change data in the row – all data must be in upper case.
NEM*	n/a	Do not change – must be in upper case.
SRBID*	n/a	Do not change – must be in upper case.
PARTID	n/a	Enter your Participant ID in upper case
NEMMCO*	n/a	Do not change – must be in upper case.
FILE DATE AND TIME	n/a	Enter the file date and time. For SRA Web Portal uploads, the system enters the correct date and time on file upload.
COLUMN D*	n/a	Always 2 (file version number), do not change or your file will be rejected.
SETTLEMENT RESIDUE BID*	n/a	Do not change – must be in upper case.
For Auction Id, <AuctionID>	n/a	Enter the Auction ID. For SRA Web Portal uploads, the system enters the correct date and time on file upload.

Column or Label	SRA Enter Bid field	Comments
RESIDUE_PRICE_BID*	Bid ID/Price	Indicates data in the row are the Bid ID and Price. The Option ID in this row must match the Option ID in the relevant RESIDUE_FUNDS_BID row. For example, in the spreadsheet example on page 44, the Option 1 bid price is 10 and the corresponding Tranche, Directional Interconnector, From Region and Units are: C2010Q3T04, NSW1-QLD1, NSW1, 100.
RESIDUE_FUNDS_BID*	Tranche, Directional Interconnector, Units	Indicates data in the row are the details for the Tranche, Directional Interconnector, From Region and Units. See the comments in RESIDUE_PRICE_BID.
AUCTIONID	Auction ID	Enter the Auction ID. For SRA Web Portal uploads, the system enters the correct date and time on file upload.
OPTIONID*	Bid ID/Price	Required, enter the Bid ID number.
BIDPRICE*	Bid ID/Price	Required; enter your Bid Price.
CONTRACTID*	Tranche	Required; enter the Tranche ID.
INTERCONNECTORID*	Directional Interconnector	Required; enter the Directional Interconnector.
REGIONID*	Directional Interconnector	Required, enter the Region ID.
UNITS*	Units	Required, enter the units you are bidding.

## Creating a bid spreadsheet

NEM: System, SRBID: identifies the file as an SRA Bid, PARTID: Your Participant ID, NEMMCO: Sending Participant, File Date & Time

	A	B	C	D	E	F	G	H	I	J
1	C	NEM,SRBID,PARTID,NEMMCO,2010/03/22 09:30:05								
2	C	SETTLEMENTS RESIDUE BID,For Auction Id,A201006								
3	I	RESIDUE_PRICE_BID		2	AUCTIONID	OPTIONID	BIDPRICE			
4	D	RESIDUE_PRICE_BID		2	A201006	1	10			
5	D	RESIDUE_PRICE_BID		2	A201006	2	20			
6	D	RESIDUE_PRICE_BID		2	A201006	3	30			
7	D	RESIDUE_PRICE_BID		2	A201006	4	40			
8	I	RESIDUE_FUNDS_BID		2	AUCTIONID	CONTRACTID	OPTIONID	INTERCONNECTORID	REGIONID	UNITS
9	D	RESIDUE_FUNDS_BID		2	A201006	C2010Q3T04	1	NSW1-QLD1	NSW1	100
10	D	RESIDUE_FUNDS_BID		2	A201006	C2010Q3T04	2	NSW1-QLD1	NSW1	80
11	D	RESIDUE_FUNDS_BID		2	A201006	C2010Q3T04	3	NSW1-QLD1	NSW1	60
12	D	RESIDUE_FUNDS_BID		2	A201006	C2010Q3T04	4	NSW1-QLD1	NSW1	40

C = Comment (file description).  
I = Data Structure (column names).  
D = Data line (data for the column names).

The file structure must remain the same  
Data shown in bold, are the Bid details you can change for each auction.  
Data shown in red, cannot be changed

## Creating a bid plain text file

NEM: System, SRBID: identifies the file as an SRA Bid, PARTID: Your Participant ID, NEMMCO: Sending Participant, File Date & Time

```

C,"NEM,SRBID,PARTICIPANT,NEMMCO,2010/03/22,09:27:44"
C,"SETTLEMENTS RESIDUE BID,For Auction Id,A201006"
I,RESIDUE_PRICE_BID,,2,AUCTIONID,OPTIONID,BIDPRICE
D,RESIDUE_PRICE_BID,,2,A201006,1,10
D,RESIDUE_PRICE_BID,,2,A201006,2,20
D,RESIDUE_PRICE_BID,,2,A201006,3,30
D,RESIDUE_PRICE_BID,,2,A201006,4,40
I,RESIDUE_FUNDS_BID,,2,AUCTIONID,CONTRACTID,OPTIONID,INTERCONNECTORID,REGIONID,UNITS
D,RESIDUE_FUNDS_BID,,2,A201006,C2010Q3T04,1,NSW1-QLD1,NSW1,100
D,RESIDUE_FUNDS_BID,,2,A201006,C2010Q3T04,2,NSW1-QLD1,NSW1,80
D,RESIDUE_FUNDS_BID,,2,A201006,C2010Q3T04,3,NSW1-QLD1,NSW1,60
D,RESIDUE_FUNDS_BID,,2,A201006,C2010Q3T04,4,NSW1-QLD1,NSW1,40
  
```

AUCTIONID, OPTIONID, BIDPRICE

AUCTIONID, CONTRACTID, OPTIONID, INTERCONNECTORID, REGIONID, UNITS

C = Comment (file description).  
I = Data Structure (column names).  
D = Data line (data for the column names).

The file structure must remain the same  
Data shown in bold, are the Bid details you can change for each auction.  
Data shown in red, cannot be changed

## Offer file data

### Offer record and subtype

Record type	Subtype	Version	Description
SRA	OFFER	1	One record for each Offer

## Offer record fields

The details in this section are duplicated for each Offer, see [Example csv offer file 47](#).

Field Name	Data Type	Description
AUCTIONID	String	The unique Auction ID. Must match the Auction ID in the Offer File
OPTIONID	Integer	The unique Offer ID. You can have many Offer IDs in an Offer File
TRANCHEID	String	The unique Auction Tranche ID where the Units are sold
INTERCONNECTORID	String	The unique Directional Interconnector ID
REGIONID	String	The unique from Region ID for the Directional Interconnector
OFFER_PRICE	Number	The Offer price
OFFER_UNITS	Integer	The quantity of Units Offered

## Example csv offer file

	A	B	C	D	E	F	G	H	I	J	K
1	C	NEM	SRBID	ENERGY	NEMMCO	2019/15/04	17:11:33				
2	C	SETTLEMENTS RESIDUE OFFER	For Auction Id	A201906							
3	I	SRA	OFFER	1	AUCTIONID	OPTIONID	CONTRACTID	INTERCONNECTORID	REGIONID	OFFER_PRICE	OFFER_UNITS
4	D	SRA	OFFER	1	A201906	1	C2019Q2T12	VIC1-NSW1	VIC1	100	1
5	D	SRA	OFFER	1	A201906	1	C2019Q3T11	VIC1-NSW1	VIC1	10	1
6	D	SRA	OFFER	1	A201906	1	C2019Q4T07	VIC1-NSW1	VIC1	200	10
7	D	SRA	OFFER	1	A201906	1	C2019Q4T12	VIC1-NSW1	VIC1	20	3

## Example csv offer for the same Contract ID and different Option IDs

	A	B	C	D	E	F	G	H	I	J	K
1	C	NEM	SRBID	PARTID	NEMMCO	2019/15/04	17:11:33				
2	C	SETTLEMENTS RESIDUE OFFER	For Auction Id	A201803							
3	I	SRA	OFFER	1	AUCTIONID	OPTIONID	CONTRACTID	INTERCONNECTORID	REGIONID	OFFER_PRICE	OFFER_UNITS
4	D	SRA	OFFER	1	A201803	1	C2018Q2T12	NSW1-QLD1	NSW1	1	1
5	D	SRA	OFFER	1	A201803	2	C2018Q2T12	NSW1-QLD1	QLD1	2	2
6	D	SRA	OFFER	1	A201803	3	C2018Q2T12	V-SA	VIC1	3	3
7	D	SRA	OFFER	1	A201803	4	C2018Q2T12	VIC1-NSW1	VIC1	4	4
8	D	SRA	OFFER	1	A201803	5	C2018Q2T12	V-SA	SA1	5	5

## Example empty csv offer file

An empty Offer File as no D rows that would normally have the offer details.

	A	B	C	D	E	F	G	H	I	J	K
1	C	NEM	SRBID	ENERGY	NEMMCO	2019/15/04	17:11:33				
2	C	SETTLEMENTS RESIDUE OFFER	For Auction Id	A201906							
3	I	SRA	OFFER		1 AUCTIONID	OPTIONID	CONTRACTID	INTERCONNECTORID	REGIONID	OFFER_PRICE	OFFER_UNITS

## Bid and offer filename

### Web interface filename

You submit Bid and Offer files to the web interface with the following filename format:

<ParticipantID>\_SROFFER or SRBID\_<AuctionID>.<ext>

Filename part	Description
ParticipantID	The Participant ID in the filename must match the logged in Participant ID
SROFFER or SRBID	SROFFER = Offer File SRBID = Bid File
AuctionID	A<YYYYMM>.<I><xx> The unique identifier of the SRA Auction. You can find the Auction ID on the <b>Settlements Residue Auction &gt; Auction notices</b> web page. For help, see <a href="#">Auction notice example on page 50</a> .
Ext	<b>csv only</b> This file format opens in a spreadsheet such as MS Excel or plain text such as Notepad

### Web interface filename examples

- ALPHA\_SROFFER\_A201803.csv
- ALPHA\_SRBID\_A201803.csv

Submission to the web interface must have the csv extension.

## Participant file server filename

You submit Bid and Offer files to the Participant File Server with the following filename format:

<ParticipantID>\_SROFFER or SRBID\_<AuctionID>.<ext>

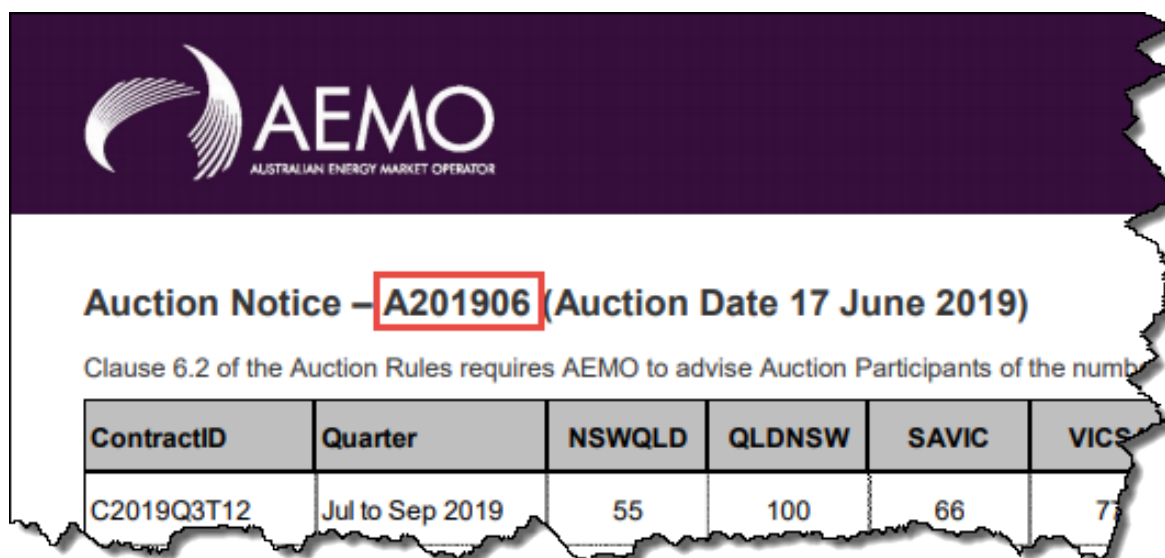
Filename part	Description
ParticipantID	The Participant ID in the filename must match the Participant ID of the Participant File Server <Participant ID> folder. For example, an Offer with the filename ALPHA_SROFFER_A201812.csv must be submitted to the Participant File Server\ALPHA\Export\IRSR folder.
SROFFER or SRBID	SROFFER = Offer File SRBID = Bid File
AuctionID	A<YYYYMM>.<I><xx> The unique identifier of the SRA Auction. You can find the Auction ID on the <b>Settlements Residue Auction &gt; Auction notices</b> web page. For help, see <a href="#">Auction notice example on the next page</a> .
Ext	The <b>.I&lt;xx&gt;</b> extension only. Where: <ul style="list-style-type: none"> <li>I is the upper case alphabet letter.</li> <li>XX is the file version number in sequence order for each submitted file.</li> </ul> <p>This file format opens in plain text such as Notepad.</p>

## Participant file server filename examples

- ALPHA\_SROFFER\_A201803.I130
- ALPHA\_SRBID\_A201803.I721

Submission to the Participant File Server it must have the .l0x extension and be numbered in sequence order for each Auction.

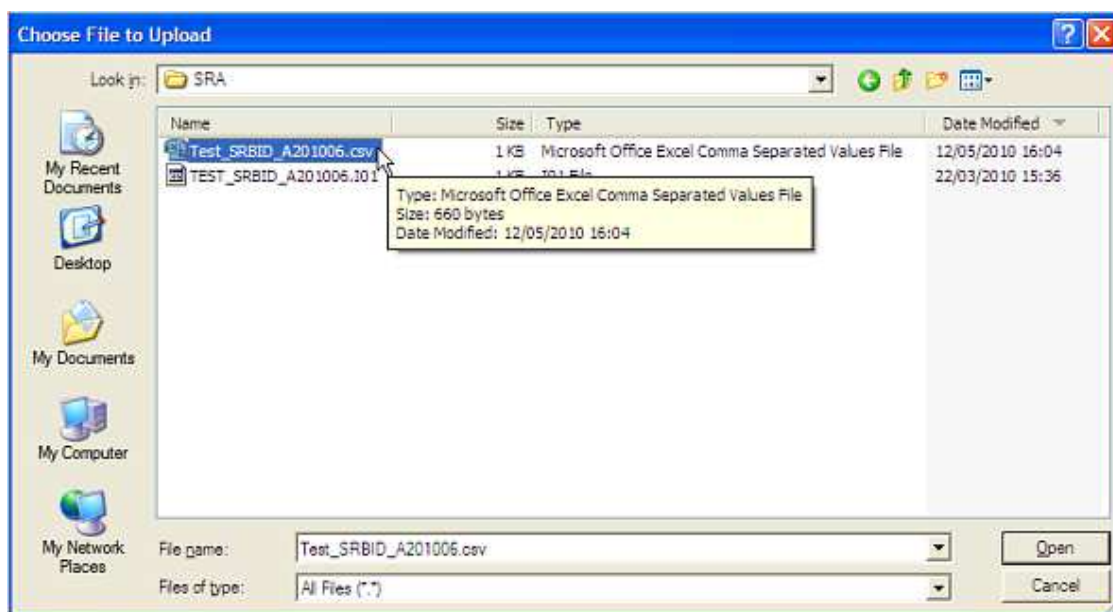
Figure 5 Auction notice example



## Import a bid or offer file to the web interface

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click Enter Bid or Enter Offer.
2. The SRA Enter Bid or Enter Offer interface displays, click Import Bid or Import Offer. For help, see:
  - [Enter Bid on page 23](#).
  - [Enter Offer on page 33](#).
5. The Choose file interface displays, select your prepared Bid File and click Open. To learn more about preparing the Bid File, see [Preparing a bid or offer file on page 43](#).

Importing a Bid or Offer File overwrites any existing data on the Enter Bid or Enter Offer interfaces.



6. The file uploads directly to the **SRA Enter Bid** or **SRA Enter Bid** interface. Review your Bid or Offer file and make any required changes.

For help fixing errors if you receive them, see [File import errors on the next page](#) and retry your upload.

8. Click **Submit Bid**.
9. To ensure your file is included in the Auction, check for an acknowledgment on the Participant File Server, your Participant ID /Import/IRSR\_Ack folder. For help with acknowledgment files, see [Acknowledgement on page 57](#).
10. The **SRA View Bids** interface displays your submitted Bid details. For help, see [View Bids on page 28](#).

Your Bid File is not valid until you click Submit Bid and receive an acknowledgement.

## Import a bid or offer file to the participant file server

1. Manually upload or FTP your prepared Bid or Offer File directly to the Participant File Server/<Participant ID>/Export/IRSR folder.
2. Check for a valid acknowledgment in the /Import/IRSR\_Ack folder to ensure inclusion of your Bid or Offer File in the Auction.

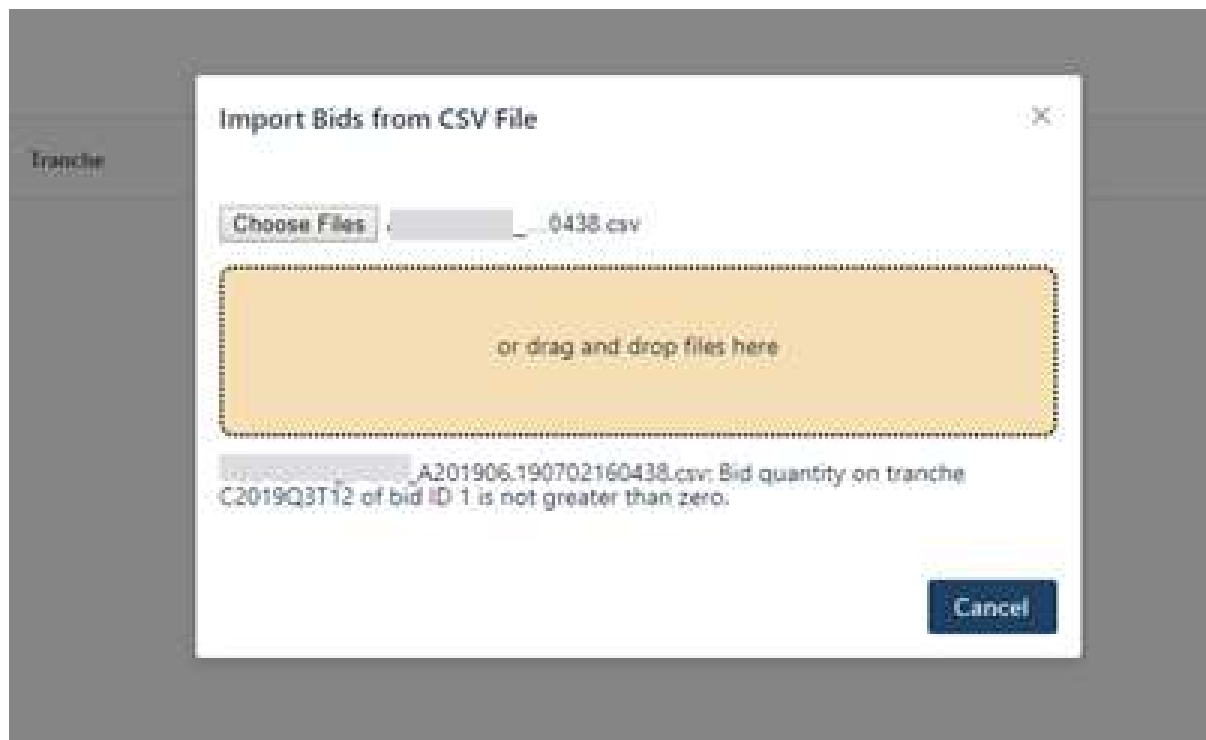


## File import errors

### Invalid bid quantity

This message indicates an invalid Bid quantity on a Tranche.

For help resolving file import messages, see [Csv file structure on page 44](#).



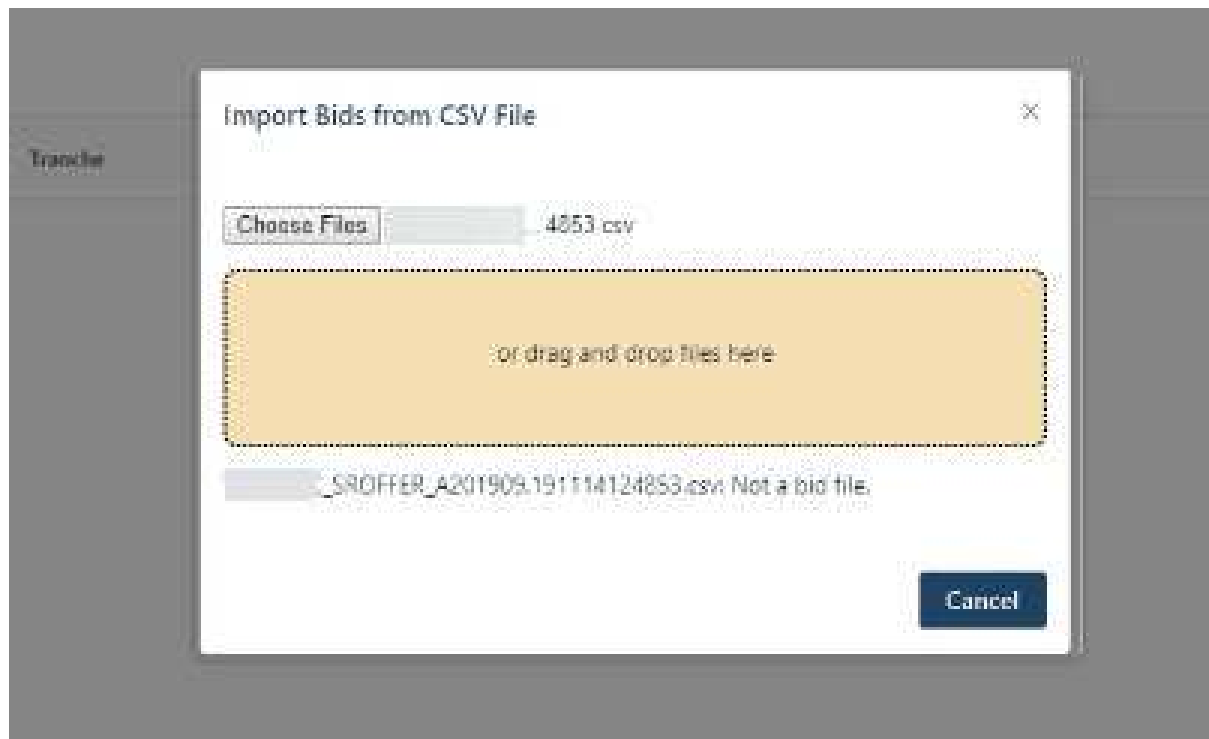
## Invalid directional interconnector

This message indicates an invalid Directional Interconnector.



## Invalid file name

This message indicates the filename is incorrect.



# Chapter 14 View Prudential Details

SRA Auction Participants can use this interface to view their prudential details:

1. Follow the steps in [Accessing Settlements Residue Auction on page 10](#) and then click **View Prudential Details**.
2. The **SRA Prudential Details** interface displays the following details specific to the logged in Participant ID:
  3. **Trading Margin**: The Available margin for offers requiring margin to proceed. Equal to the Trading Limit minus the Prudential Exposure.
  4. **Trading Limit**: Total Cash Security held by AEMO for the Participant ID, not including any already returned amount.
  5. **Prudential Exposure**: The amount of an SRA Auction Participant's actual or contingent liability, calculated according to the Auction Rules.
6. Grid with current Cash Security details:
  - a. **Cash Security ID**: unique identifier
  - b. **Provision Date**: date provided
  - c. **Amount**: initial amount received
  - d. **Cash Amount Returned**: amount returned
  - e. **Interest Account ID**: interest account
  - f. **Active**: active or inactive
7. Subgrid with details of previously returned Cash Security to the Participant ID:
  - a. **Year**: year returned
  - b. **Quarter**: quarter returned
  - c. **Return Date**: date returned
  - d. **Returned Amount**: cash amount returned
  - e. **Returned Interest**: interest paid

## SRA Prudential Details

Participant: 

Trading Margin : \$189,539.3

Trading Limit : \$61,111

Prudential Exposure : \$128,428.3

6	Cash Security ID	Provision Date	Amount	Cash Amount Returned	Interest Account ID	Active
	20190627.CS001	27/06/2019	\$5,000.00	\$3,060.00	SDA	Yes
7	Year	Quarter	Return Date	Returned Amount	Returned Interest	
	2018	4	08/07/2019	\$3,060.00	\$1.34	
	20190731.CS001	31/07/2019	\$2,000.00	\$0.00	SDA	Yes

# Chapter 15

## Acknowledgement

This chapter explains Bid and Offer acknowledgements and their contents.

<b>Bid acknowledgement .....</b>	<b>57</b>
<b>Offer acknowledgement .....</b>	<b>58</b>

### Bid acknowledgement

#### Acknowledgement location

Check for an acknowledgment in the Participant File Server / <Participant ID> /Import/IRSR\_Ack folder.

#### Valid bid

Axx indicates a valid Bid File, where x is the version number. For example, if you submitted a Bid File named DRMTIME\_SRBID\_A200203.I03, its valid acknowledgement file is DRMTIME\_SRBID\_A200203.A03.

#### Corrupt bid

Cxx indicates a corrupt Bid File that cannot be used in the Auction. The acknowledgement file contains an error message so you can fix the error and resubmit the Bid File.

## Offer acknowledgement

### 3.6.1 Acknowledgement file name

The Offer acknowledgement files are csv with the following filename format: **<SubmissionFileName>\_<SuccessIndicator>.<Ext>** where:

- **SubmissionFileName**: The filename of the original file submission, minus the extension.
- **SuccessIndicator**: **A** = successful and **C** = failed.
- **Ext**: The file extension of the original file submission, less the first character.

For example, a successful acknowledgement of an Offer File submitted by participant ALPHA is:

ALPHA\_SROFFER\_A201606.I01 is ALPHA\_SROFFER\_A201606.A01.

### Acknowledgement contents

- The acknowledgement file has one record type: **ERRORMSG,SRA,1**.
- Each record has a single field: **ERROR\_MESSAGE**.
- For a successful acknowledgement, there is an **I** record in the output but no corresponding **D** records with error messages.

### Acknowledgement examples

#### Example successful acknowledgement

	A	B	C	D	E
1	I	ERRORMSG	SRA	1	ERROR_MESSAGE
2					
3					

### 3.6.4 Example unsuccessful acknowledgement

	A	B	C	D	E
1	I	ERRORMSG	SRA	1	ERROR_MESSAGE
2	D	ERRORMSG	SRA	1	Bid Price must be greater than zero for auction [A201606] option [1]
3	D	ERRORMSG	SRA	1	Bid Price must be greater than zero for auction [A201606] option [5]



# Chapter 16 Reports

This chapter describes the SRA reports available and where to find them.

<b>Prudential reports</b> .....	<b>60</b>
<b>NEM report access</b> .....	<b>60</b>
<b>SRA reports</b> .....	<b>61</b>
<b>SRA Electricity Data Model tables, files, and reports</b> .....	<b>63</b>

## Prudential reports

Prudential reports are provided daily, any time the Trading Position is updated. To reconcile their Prudential Requirements, SRA Auction Participants have access to the following information:

- Inputs to the Prudential Exposure calculation. For details, see [SRA reports on the next page](#).
- Details of Cash Security deposits.
- Details of Offers from a completed Auction, see [Public report on the next page](#).

## NEM report access

Participants can access NEM reports:

- Using FTP to their folder on the Participant File Server. For help, see [Connecting to AEMO's Electricity IT Systems](#).
- Using Data Interchange: for help, see [Concise Guide to Data Interchange](#).
- From <http://nemweb.com.au/> > Settlement Residues and Settlements.

For a list of SRA tables, files, and reports, see [SRA Electricity Data Model tables, files, and reports on page 63](#).

## SRA reports

The NEM reports related to SRA include the following information:

- All Units purchased.
- All Cancelled Units.
- How many Units owned in each Unit Category for each Relevant Quarter
- Components of the margin calculation:
  - Average Allocation Price (AAP)
  - Average Cancellation Price (ACP)
  - Cancellation Volume (CV) (for each Unit Type)
  - Trading Position in each Unit Type (Relevant Quarter and Directional Interconnector)
  - Average Trading Position (ATP) (aggregated total calculated in accordance with the Auction Rules)
- The total Cash Security provided (Trading Limit).

For details about file names and their content, see **SRA Electricity Data Model tables, files, and reports on page 63.**

For details about the margin calculation, see **Settlements Residue Auction Rules.**

### Public report

You can find a public NEM report called SROFFER containing Offer details from a completed Auction from:

1. The Participant File Server: <#PARTICIPANTID>\IMPORT\REPORTS\IRSR\_OFFERS.
2. NEMWeb. <http://nemweb.com.au/> > Settlement Residues

**This is a non-Data Model report, you cannot subscribe to it in the Markets Portal, Data Subscription interface.**

Introduction

BIDS

DATA MODEL

DEMAND

DISPATCH

GAS SUPPLY HUB

NEMDE

NETWORK

OTHER

PASA

PRE-DISPATCH

PRICES

SETTLEMENT RESIDUES

PreDispatch Inter-Regional Settlements Residue

Dispatch Inter-Regional Settlements Residue

Trading Inter-Regional Settlements Residue

Dispatch Negative Residue

Settlement Residue Auction - Offers

Settlement Residue Auction - Reconciliation

SETTLEMENTS

TRADING

# SETTLEMENT RESIDUE AUCTION - OFFERS

CSV Report SROFFER Public Offer report

Jump to:  
[Download](#)  
[Definitions](#)

## Download CSV

Current

## Report Definitions

[Expand all](#) [Collapse all](#) [Download](#)

RESIDUE_PRICE_OFFER-NULL-1		
Report Type: RESIDUE_PRICE_OFFER		Report Version: 1
Name	Description	Format
TRANCHEID		VARCHAR2(30)
INTERCONNECTORID		VARCHAR2(10)
REGIONID		VARCHAR2(10)
OFFER_UNITS		NUMBER(5)
OFFER_PRICE		NUMBER(17,5)
AUCTIONID		VARCHAR2(30)

## SRA Electricity Data Model tables, files, and reports

You can find the following tables, file IDs, filenames, and report names in the IRAUCTION package.

Table	File ID	Filename	Report name	Purpose
AUCTION	AUCTION	*IRAUCTION_CONFIG*.csv	IRAUCTION_CONFIG	The Auction details
AUCTION_CALENDAR	AUCTION_CALENDAR	*IRAUCTION_CONFIG*.csv	IRAUCTION_CONFIG	The definitions of each auction quarter in a contract year
AUCTION_IC_ALLOCATIONS	AUCTION_IC_ALLOCATIONS	*IRAUCTION_CONFIG*.csv	IRAUCTION_CONFIG	The default definitions for the total number of Units and proportion applicable to each Directional Interconnector for a specified Auction Quarter
AUCTION_REVENUE_TRACK	AUCTION_REVENUE_ESTIMATE	*IRAUCTION_CONFIG*.csv	IRAUCTION_CONFIG	The evaluator's estimates of revenue for each month of a given Quarter
AUCTION_REVENUE_TRACK	AUCTION_REVENUE_TRACK	*IRAUCTION_CONFIG*.csv	IRAUCTION_CONFIG	The tracking information for each evaluator's estimates for a given Quarter
AUCTION_REVENUE_TRACK	AUCTION_RP_ESTIMATE	*IRAUCTION_CONFIG*.csv	IRAUCTION_CONFIG	The evaluator's estimates of revenue prices for a given Quarter

Table	File ID	Filename	Report name	Purpose
AUCTION_TRANCHE	AUCTION_TRANCHE	*IRAUCTION_CONFIG*.csv	IRAUCTION_CONFIG	The default definitions for the percentage number of Allocated Units and dates applicable to each Tranche for a specified Auction Quarter
RESIDUE_BID_TRK	RESIDUE_BID_TRK	*IRAUCTION*.csv	IRAUCTION	The Bid used for each SRA contract run
RESIDUE_CON_DATA	RESIDUE_CON_DATA	*IRAUCTION*.csv	IRAUCTION	The public details of the Auction for a given contract
RESIDUE_CON_ESTIMATES_TRK	RESIDUE_CON_ESTIMATES_TRK	*IRAUCTION*.csv	IRAUCTION	The tracking details of the estimates used to generate the reserve price for each contract
RESIDUE_CON_FUNDS	RESIDUE_CON_FUNDS	*IRAUCTION*.csv	IRAUCTION	The fund details for each contract
RESIDUE_CONTRACTS	RESIDUE_CONTRACTS	*IRAUCTION*.csv	IRAUCTION	The contract details for each period where a residue contract is offered
RESIDUE_FUNDS_BID	SRA_OFFER_ACK	*IRAUCTION_BIDS*.csv	IRAUCTION_BIDS	The fund details for each SRA Bid by each participant
RESIDUE_PRICE_BID	RESIDUE_PRICE_BID	*IRAUCTION*.csv	IRAUCTION	The Unit and Bid price details for each participant
RESIDUE_PRICE_BID	SRA_OFFER_ACK	*IRAUCTION_BIDS*.csv	IRAUCTION_BIDS	The Unit and Offer price details for each participant
RESIDUE_PRICE_FUNDS_BID	RESIDUE_TRK	*IRAUCTION*.csv	IRAUCTION	The Bids producing the auction outcome, without exposing participant-specific details.

Table	File ID	Filename	Report name	Purpose
RESIDUE_PUBLIC_DATA	RESIDUE_PUBLIC_DATA	*IRAUCION*.csv	IRAUCION	The public auction results
RESIDUE_TRK	RESIDUE_TRK	*IRAUCION*.csv	IRAUCION	Tracking records for different SRA runs.
RESIDUECONTRACTPAYMENTS	RESIDUECONTRACTPAYMENTS	*SETTLEMENT_CONFIG*.csv	SETTLEMENT_CONFIG	Participant SRA payment notifications
RESIDUEFILETRK	SRA_OFFER_ACK	*IRAUCION_BIDS*.csv	IRAUCION_BIDS	Participant submitted SRA Offers
SRA_CASH_SECURITY	SRA_CASH_SECURITY	*IRAUCION*.csv	IRAUCION	The Cash Security details provided by an SRA Auction Participant for collateral to cover their Trading Position in the SRA
SRA_FINANCIAL_AUC_MARDETAIL	SRA_FINANCIAL_RUN	*IRAUCION*.csv	IRAUCION	Details of the margins returned to participants
SRA_FINANCIAL_AUC_MARGIN	SRA_FINANCIAL_RUN	*IRAUCION*.csv	IRAUCION	The amount of Cash Security held by an SRA Auction Participant after settlement
SRA_FINANCIAL_AUC_RECEIPTS	SRA_FINANCIAL_RUN	*IRAUCION*.csv	IRAUCION	Details of the Cancelled Units and their value for the SRA Auction Participant
SRA_FINANCIAL_AUCPAY_DETAIL	SRA_FINANCIAL_RUN	*IRAUCION*.csv	IRAUCION	The SRA financial Auction payment

Table	File ID	Filename	Report name	Purpose
SRA_FINANCIAL_AUCPAY_SUM	SRA_FINANCIAL_RUN	*IRAUCION*.csv	IRAUCION	A summary of the Auction payment amount
SRA_FINANCIAL_RUNTRK	SRA_FINANCIAL_RUN	*IRAUCION*.csv	IRAUCION	Details of the Settlement process for the cancellation and purchase of SRA Auction Units
SRA_OFFER_PRODUCT	SRA_SEC_OFFERS	*SRA_SEC_OFFERS*.csv	IRAUCION	The product details for each Offer File submitted by each SRA Auction Participant
SRA_OFFER_PROFILE	SRA_SEC_OFFERS	*SRA_SEC_OFFERS*.csv	IRAUCION	The data of an SRA Auction Participant's Offer submission
SRA_PRUDENTIAL_CASH_SECURITY	SRA_PRUDENTIAL_RUN	*SRA_PRUDENTIAL_RUN*.csv	IRAUCION	The Cash Security details provided by an SRA Auction Participant as collateral to cover their Trading Position in the SRA
SRA_PRUDENTIAL_COMP_POSITION	SRA_PRUDENTIAL_RUN	*SRA_PRUDENTIAL_RUN*.csv	IRAUCION	The prudential position of each company at the date and time of a specific prudential run

Table	File ID	Filename	Report name	Purpose
SRA_PRUDENTIAL_EXPOSURE	SRA_PRUDENTIAL_RUN	*SRA_PRUDENTIAL_RUN*.csv	IRAUCTION	Details of the Prudential Exposure of an SRA Auction Participant
SRA_PRUDENTIAL_RUN	SRA_PRUDENTIAL_RUN	*SRA_PRUDENTIAL_RUN*.csv	IRAUCTION	The prudential run details for each prudential date
VALUATIONID	VALUATIONID	*IRAUCTION*.csv	IRAUCTION	The identifiers and descriptions of the valuers submitting estimates of upcoming SRAs.



# Needing Help


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## Clearing your cache

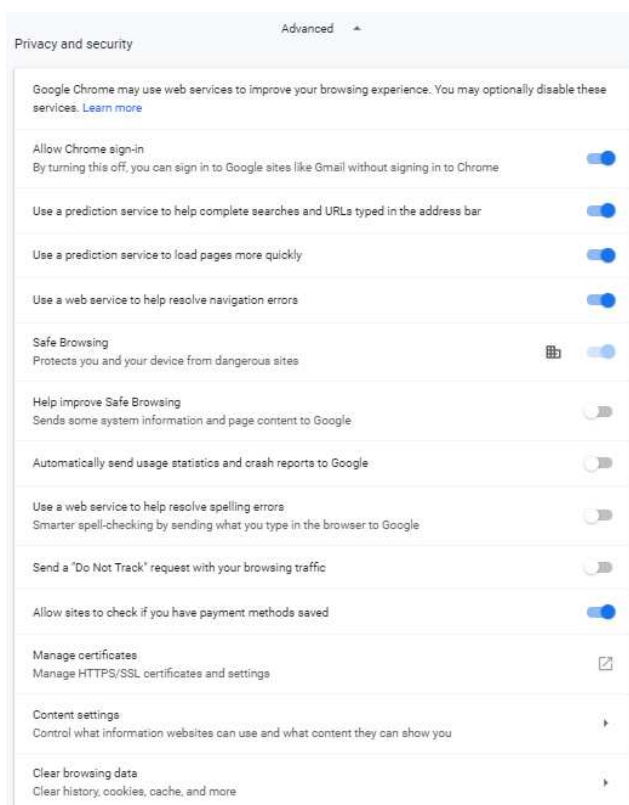
When you use AEMO’s web applications, your browser stores information (for example, images) to avoid downloading it every time you open the web page. While this increases the speed, it could mean you are getting an older version of the web page and not the latest updates. To avoid this, AEMO recommends you clear the cache regularly.

The following sections explain the steps to clear the cache in your web browser.

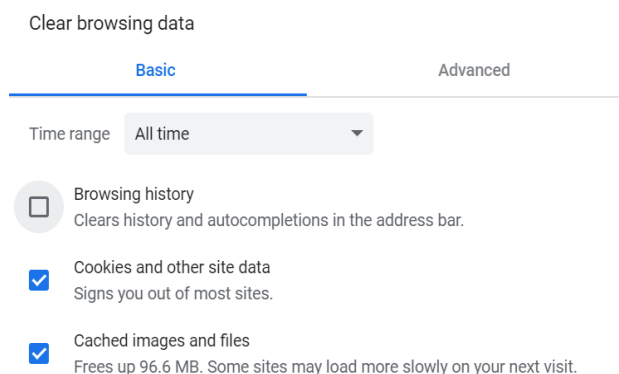
### Google Chrome

1. Click  on your browser.
2. Click **Settings**. You can also open this window using the **Ctrl + Shift + Delete** keyboard shortcut.
3. Scroll to the bottom of the page and click **Advanced**.

4. Under **Privacy and security**, click the arrow next to **Clear browsing data**. A new window opens.



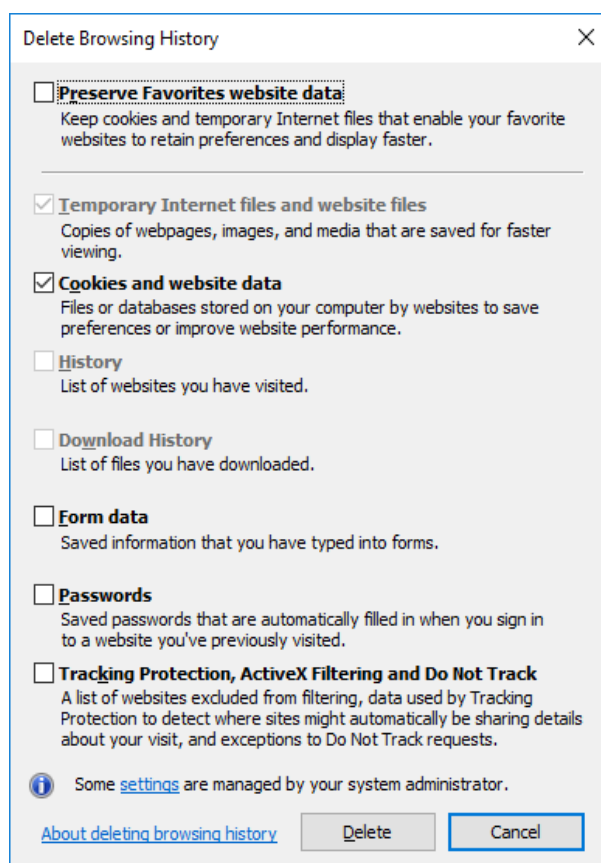
5. Select the **Cookies and other site data**, and **Cached images and files** options.
6. From the **Time range** drop-down menu, choose **All time** option.
7. To clear all cache information, click **Clear data**.



## Internet Explorer (IE)

1. On your web browser, click **Setting > Internet Options > General tab > Browsing history**, click **Delete...** You can also open this window using the **Ctrl + Shift + Delete** keyboard shortcut.
2. In the **Delete Browsing History** window, select **Cookies and website data** option.
3. To remove all cache information, click **Delete**.

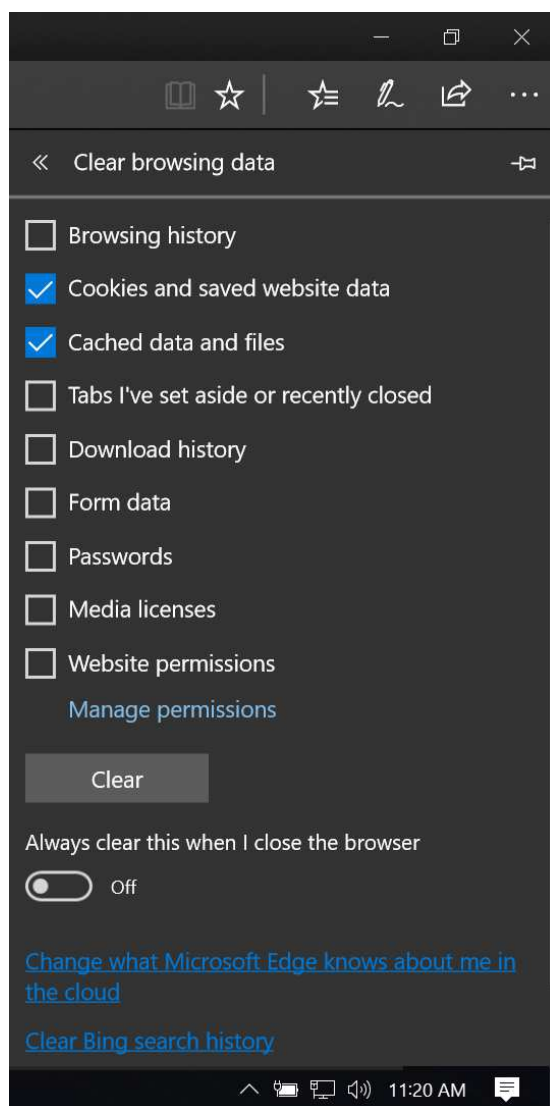




## Microsoft Edge

1. Click ... on your browser.
2. Click **Settings > Clear browsing data > Choose what to clear** option from the dropdown menu. You can also open this window using the **Ctrl + Shift + Delete** keyboard shortcut.
3. Select the **Cookies and saved website data**, and **Cached data and files** options.

4. To delete all cached information, click **Clear**.



## Setting a participant

Providing you have permission to do so, the **Set Participant** function allows you to act for another participant without having to log out, change IDs and log in again. The participant you are acting for is indicated in the web portal interface. For permission to see other participant IDs using Set Participant, see your company's PA.

**When you are using the Set Participant function, you can only log into the Markets Portal once on the same computer.**

## System requirements

You access the web application using a web browser. You require:

- The website address where the application is located on AEMO's network:
  - Pre-production: <https://portal.preprod.nemnet.net.au>
  - Production: <https://portal.prod.nemnet.net.au>
  - Markets Portal help:

The web application runs on both Windows and Unix-like operating systems.

<https://portal.preprod.nemnet.net.au/help>

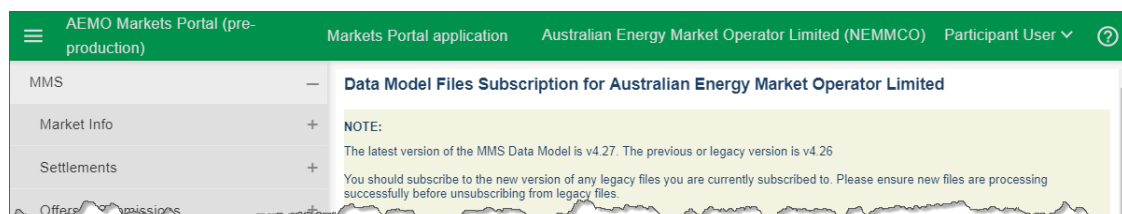
- A compatible web browser. For help, see [Supported web browsers on page 74](#).
- Access to MarketNet. If your company is a registered participant, you probably already have access because it is set up during the registration process. For more details, see [Guide to Electricity Information Systems](#).
- A monitor capable of 1024 x 768 screen resolution.
- A user ID and password provided by your company's participant administrator (PA) who controls access to AEMO's market systems. For more details see [Guide to User Rights Management](#).

PAs are set up during the registration process, if you don't know who your company's PA is, contact AEMO's support hub.

## Environment access

The Markets Portal gives you a clear indication of the environment you are working in by providing a different background colour for the menu:

- The pre-production environment has a green menu background
- The production environment has a blue menu background.



# Supported web browsers

Web applications runs on both Windows and Unix-like operating systems. To access the EMMS Markets Portal, AEMO recommends the following web browsers:

Browser	Platform	Current	More information
Microsoft Internet Explorer	Windows	IE11	<a href="https://www.whatismybrowser.com/guides/the-latest-version/internet-explorer">https://www.whatismybrowser.com/guides/the-latest-version/internet-explorer</a>
Microsoft Edge (Microsoft recommended)	Windows 10	Edge	<a href="https://www.microsoft.com/en-au/windows/microsoft-edge">https://www.microsoft.com/en-au/windows/microsoft-edge</a>
Google Chrome	All platforms	72 (Feb 2019)	<a href="https://www.whatismybrowser.com/guides/the-latest-version/chrome">https://www.whatismybrowser.com/guides/the-latest-version/chrome</a>

For the best experience, AEMO recommends using the current or previous version of Google Chrome.

## AEMO's support hub

IT assistance is requested through one of the following methods:

- Phone: 1300 AEMO 00 (1300 236 600)

For non-urgent issues, normal coverage is 8:00 AM to 6:00 PM on weekdays, Australian Eastern Standard Time (AEST).

- The **Contact Us** form on AEMO's website.

AEMO recommends participants call AEMO's support hub for all urgent issues, whether or not you have logged a call using the contact us form.

## Information to provide

Please provide the following information when requesting assistance from AEMO:

- Your contact details
- Company name
- Company ID
- System or application name
- Environment: production or pre-production
- Problem description
- Screenshots

For AEMO software-related issues please also provide:

- Participant ID (if Data Interchange (DI) problem)
- Version of software
- Properties or log files
- PDR Monitor support dump and DI instance name (if DI problem)

## Feedback

Your feedback is important and helps us improve our services and products. To suggest improvements, please contact AEMO's support hub.

# Glossary

## Common terms

### **Data Interchange**

A set of cooperating applications used to replicate data between AEMO's energy market systems and a participant's DBMS conforming to the MMS Data Model.

### **Data Model**

The definition of the interface to participants of data published by AEMO for gas or electricity. A database conforming to the Data Model can contain a local copy of all current participant-specific data recorded in the main database. The Data Model includes database tables, indexes, and primary keys.

### **EMMS Markets Portal**

Wholesale Electricity Market Management System; software, hardware, network and related processes to implement the wholesale energy market.

### **MarketNet**

AEMO's private network available to participants having a participant ID

### **NEMDE**

National Electricity Market Dispatch Engine

### **NEMweb**

Public market data in csv file format: <http://www.nemweb.com.au/>

### **PCO**

Participant Current Outstandings

### **POE**

Probability of Exceedence

### **RRP**

Region Reference Price

### **RSF**

Regional Scaling Factor



**TA**

Typical Accural

**SRA interface terms**


This topic is an explanation of terms used in the SRA web interface. For other SRA terms, see [Rules terms on page 80](#).

\* Denotes confidential information visible only to the SRA Auction Participant ID.

Term	Explanation
Active Bid	For each Auction, your last Bid File submitted and acknowledged as valid is your Active Bid, taking the place of all earlier valid Bids. The Active Bid, highlighted in green on the SRA View Bid interface, is the one processed when the Auction closes
Auction Fee	The fee for each Allocated Unit. Auction fees are set 12 months in advance
Auction ID	The unique identifier for an Auction
Auction Status	Pending, Open, Closed, Completed
Bid ID / Price	One Bid ID / Price can have a specified number of units on one or more Quarter/Directional Interconnector combinations, called a Linked Bid
Bid or Offer Status	Valid or Corrupt
Bid Product	A bid entered into the New Bid ID window that becomes a row in the Bid File
Billing Week	The seven days commencing at the start of the Trading Interval ending 12.30 am Sunday. For more details, see the <b>Settlement Calendars</b> on AEMO's website
Cancellation Payment *	The payment for Units cancelled for each Unit Category for each Relevant Quarter
Cancelled Units *	Units cancelled for each Unit Category for each Relevant Quarter
Comments	
Current Holding *	Displays how many Units you currently hold, including Cancelled Units subtracted from the total Allocated Units

Term	Explanation
Directional Interconnector (DI)	The DI the Units are allocated to
End Date	The end of an Auction or Quarter. Bids are submitted until the close of the Auction at 14:00 Market Time on the End Date specified for the Auction
Fees Payment *	Fees paid by the Successful Auction Participant
Flat	A type of Bid view displaying each Bid in a list without being grouped by Bid ID/Price, Tranche or Directional Interconnector.
From Participant ID	The Participant the Units are transferred from
From Region	For each Directional Interconnector, you can lodge bids in either direction. The From Region displays the direction for where units are offered (also Unit Category). For example, Directional Interconnector/From Region - NSW1-QLD1/NSW1
Gross IRSR Received	Total dollar amount of IRSR received from the Successful Auction Participant
IRSR	Inter-Regional Settlement Residue
Load Date Time	The date and time the SRA system processed the SRA Auction Participant's Bid or Offer File
Max Units	The Maximum Units available for the Relevant Quarter
Min Avail Units	The minimum available Units offered based on a Tranche of a Quarter
Net IRSR Received *	Total net IRSR received from the Successful Auction Participant
Notify Date	The date Auction details are made available to SRA Auction Participants
Notional Interconnector	Represents some or all of the Regulated Interconnectors between two neighbouring regions
Originally Purchased *	Units won in a previous Auction
Payment Date	The date the Successful SRA Auction Participant must pay for the Allocated Units

Term	Explanation
Proportion	The Proportional Entitlements) is the percentage of Settlement Residue allocated to a single Unit for each Unit Category. For example, if there are 400 units sold for V-SA/SA1, one Unit represents 1/400 (0.25%)
Purchase Payment *	The payment invoiced if your company is the Successful Auction Participant
Reallocated Units	Unpaid Units reallocated to an Auction
Reconciliation Date	The date of reconciliation for the Quarter. For more details, see the <b>Settlement Calendars</b> on AEMO's website
Returned Units *	
Rollover Units	Unsold Units rolled over from the previous Auction
SRA	Settlements Residue Auction
Start Date	The start of an Auction or Quarter. The date SRA Participants can begin submitting Bids and Offers for an Auction
Status	Bid status for a submitted Bid or Offer e.g. Corrupt or Valid. A bid must have a valid Status for inclusion in the Auction.
Tied Bids	Can occur when multiple Bids in the same Bid category have the same price and this price sets the Bid category's Auction Clearing Price
To Participant ID	The Participant the Units are transferred to
Total Purchases	Units Sold multiplied by the Unit Price
Tranche	A group of Units offered for each Directional Interconnector or Quarter in an Auction
Transfer ID	The unique SRA transfer identifier
Transferred From *	The Participant the Units are transferred from
Transferred To *	The Participant the Units are transferred to

Term	Explanation
Unit Price	The price paid per Unit
Units Allocated	The Units allocated to the Directional Interconnector
	
Volume Weighted Unit Price	The Total Gross IRSR divided by Units sold. For more details, see <b>Auction Expense Fees Calculation</b> in the Auction Rules

## Rules terms

You can find the following terms defined in the NER or Auction Rules.

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