



ASX Market Announcement Office
via email maogroup@asx.com.au

To whom it may concern,

CSR Ltd - ASIC form 603

Please find attached completed form for the above ASX listed entity. A copy of this was emailed to the company on 10 May 2024.

Your sincerely,

Robert Poulter
Senior Vice President

The Northern Trust Company
Level 12, 120 Collins Street
Melbourne VIC 3000 Australia
Phone: +61 3 9947 9300
ARBN: 126 279 918

Form 603

**Corporations Act 2001
Section 671B**

Notice of initial substantial holder

To Company Name/Scheme	CSR LTD Level 5, Trinit 3, 39 Delhi Road, NORTH RYDE, NSW, AUSTRALIA, 2113
ACN/ARSN	000 001 276

1. Details of substantial holder (1)

Name	THE NORTHERN TRUST COMPANY
ACN/ARSN (if applicable)	Not Applicable
The holder became a substantial holder on	08/05/2024

2. Details of voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Fully paid ordinary shares	24,938,881	24,938,881	5.2%

3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
The Northern Trust Company	Power to control the voting and/or disposal of securities pursuant to its position as an investment manager in accordance with investment mandates	Fully paid ordinary shares (From Sec Lending) 23,633,701
Northern Trust Global Services SE	Power to control the disposal of securities pursuant to securities lending agreements	Fully paid ordinary shares (From Sec Lending) 0
Northern Trust Investments, Inc	Power to control the voting and/or disposal of securities pursuant to its position as an investment manager in accordance with investment mandates	Fully paid ordinary shares : 597,173
Northern Trust Global Investments Limited	Power to control the voting and/or disposal of securities pursuant to its position as an investment manager in accordance with investment mandates	Fully paid ordinary shares : 404,298
Northern Trust Asset Management Australia Pty Ltd	Power to control the voting and/or disposal of securities pursuant to its position as an investment manager in accordance with investment mandates	Fully paid ordinary shares : 303,709

4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
The Northern Trust Company	Unknown – lent securities / collateral securities	Unknown lent securities / collateral	Fully paid ordinary shares (From Sec Lending) 23,633,701
Northern Trust Global Services SE	Unknown – lent securities / collateral securities	Unknown lent securities / collateral	Fully paid ordinary shares (From Sec Lending) 0
Northern Trust Investments, Inc	JP MORGAN CHASE, NORTHERN TRUST	Investment management client(s)	Fully paid ordinary shares : 597,173
Northern Trust Global Investments Limited	BNYM – LONDON, NT LONDON, SSB LONDON, STATE STREET BANK	Investment management client(s)	Fully paid ordinary shares : 404,298

Northern Trust Asset Management Australia Pty Ltd	JP MORGAN CHASE, BNP PARIBAS	Investment management client(s)	Fully paid ordinary shares : 303,709
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5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)		Class and number of securities
		Cash	Non-cash	
The Northern Trust Company	08/01/2024 to 08/05/2024-Securities Lending	No consideration directly referable to the securities for which The Northern Trust Company acts as Securities Lending agent.		Refer to Appendices 1 and 2
Northern Trust Global Services SE	08/01/2024 to 08/05/2024-Securities Lending	No consideration directly referable to the securities for which Northern Trust Global Services SE acts as Securities Lending agent.		Refer to Appendices 1 and 2
Northern Trust Investments, Inc	09/01/2024 to 09/05/2024	Refer to Appendix 2		Refer to Appendix 2
Northern Trust Global Investments Limited	09/01/2024 to 09/05/2024	Refer to Appendix 2		Refer to Appendix 2
Northern Trust Asset Management Australia Pty Ltd	09/01/2024 to 09/05/2024	Refer to Appendix 2		Refer to Appendix 2

6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

Name and ACN/ARSN (if applicable)	Nature of association
The Northern Trust Company	Subsidiary of Northern Trust Corporation
Northern Trust Global Services SE	Subsidiary of Northern Trust Corporation
Northern Trust Investments, Inc	Subsidiary of Northern Trust Corporation
Northern Trust Global Investments Limited	Subsidiary of Northern Trust Corporation
Northern Trust Asset Management Australia Pty Ltd	Subsidiary of Northern Trust Corporation

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
The Northern Trust Company	50 LaSalle Street, Chicago, IL 60603
Northern Trust Global Services SE	6 rue Lou Hemmer Senningerberg, 1748 Grand-Duché de Luxembourg, Luxembourg
Northern Trust Investments, Inc	50 S LaSalle St, Chicago, IL 60603
Northern Trust Global Investments Limited	50 Bank Street, Canary Wharf, London E14 5NT
Northern Trust Asset Management Australia Pty Ltd	Level 13, 120 Collins Street, Melbourne, Victoria, Australia 3000

Signature

print name

Leon Stavrou

capacity

Senior Vice President

sign here



date

10 May 2024

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (e.g. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 7 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an associate has a relevant interest in.
- (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (7) Include details of:
 - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (8) If the substantial holder is unable to determine the identity of the person (e.g. if the relevant interest arises because of an option) write "unknown".
- (9) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

This is Appendix 1 of 2 referred to in Form 603 Notice of initial substantial holder

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Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & UBS AG, LONDON BRANCH
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & CITIGROUP GLOBAL MARKETS LIMITED
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & MACQUARIE BANK LIMITED
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

This is Appendix 1 of 2 referred to in Form 603 Notice of initial substantial holder

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Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & NATIONAL AUSTRALIA BANK
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & J.P. MORGAN SECURITIES PL
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & MORGAN STANLEY & CO. INTERNATIONAL
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

This is Appendix 1 of 2 referred to in Form 603 Notice of initial substantial holder

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Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & UBS SECURITIES AUSTRALIA
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Signature

print name Leon Stavrou capacity Senior Vice President

sign here date

Date	Legal Entity	Borrower	Transaction	Nominal
Friday, January, 12, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-3,653,350
Friday, January, 12, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	154,798
Monday, January, 15, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	1
Tuesday, January, 16, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-81,278
Tuesday, January, 16, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral Out	-3,575,322
Tuesday, January, 16, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	213,000
Wednesday, January, 17, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-100,000
Wednesday, January, 17, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-73,539
Wednesday, January, 17, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	192,000
Thursday, January, 18, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	112,000
Friday, January, 19, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral Out	-630
Friday, January, 19, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	289,000
Wednesday, January, 24, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral Out	-41,447
Wednesday, January, 24, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	loan return	59,323
Wednesday, January, 24, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	213,000
Wednesday, January, 24, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	192,000
Monday, January, 29, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral Out	-62,058
Wednesday, January, 31, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral In	59,000
Wednesday, January, 31, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	289,000
Thursday, February, 01, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	80,260
Friday, February, 02, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-59,000
Friday, February, 02, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral Out	-20,761
Friday, February, 02, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	110,000
Monday, February, 05, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	112,000
Thursday, February, 08, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	2,054,833
Monday, February, 12, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	110,000
Thursday, February, 15, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	491,357
Friday, February, 16, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	500,954
Monday, February, 19, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	496,503
Tuesday, February, 20, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	99,938
Thursday, February, 22, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	409,087
Friday, February, 23, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral Out	-4,112,171
Friday, February, 23, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	515,000

Tuesday, February, 27, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	798,106
Tuesday, February, 27, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	515,000
Wednesday, February, 28, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-3,550,196
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	18,395
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	122,191
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	12,922
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	200,775
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	151,443
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	58,508
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	18,782
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	24,528
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	113,938
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	223,647
Wednesday, February, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan	144,871
Friday, March, 01, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-27,770
Friday, March, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	58,508
Friday, March, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	122,191
Friday, March, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	200,775
Friday, March, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	18,782
Friday, March, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	113,938
Friday, March, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	12,922
Friday, March, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	151,443
Friday, March, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	18,395
Friday, March, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	24,528
Friday, March, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	223,647
Monday, March, 04, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	770,648
Monday, March, 04, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral Out	-9,684,399
Monday, March, 04, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	812,978
Monday, March, 04, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	533,749
Monday, March, 04, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	144,871
Monday, March, 04, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA LTD	loan return	623,740
Tuesday, March, 05, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-85,323
Tuesday, March, 05, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral In	41,000
Tuesday, March, 05, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-950,721

Tuesday, March, 05, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral Out	-945,186
Wednesday, March, 06, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	233,430
Wednesday, March, 06, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-41,000
Wednesday, March, 06, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-1,158,532
Thursday, March, 07, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-233,430
Thursday, March, 07, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	435,297
Thursday, March, 07, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	2,076,282
Friday, March, 08, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-435,297
Friday, March, 08, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	450,154
Monday, March, 11, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral In	101,904
Tuesday, March, 12, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	295,418
Tuesday, March, 12, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	1,473,048
Tuesday, March, 12, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral Out	-101,904
Wednesday, March, 13, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-295,418
Wednesday, March, 13, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	318,118
Thursday, March, 14, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-577,443
Thursday, March, 14, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral In	89,670
Friday, March, 15, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	3,663
Friday, March, 15, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	569,145
Friday, March, 15, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral Out	-89,670
Monday, March, 18, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-3,663
Monday, March, 18, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-686,643
Tuesday, March, 19, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	1
Tuesday, March, 19, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	15,265
Wednesday, March, 20, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	513,902
Wednesday, March, 20, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-488,978
Wednesday, March, 20, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	90,301
Thursday, March, 21, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral In	466,000
Thursday, March, 21, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-513,902
Thursday, March, 21, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-1,520,694
Thursday, March, 21, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral Out	-90,301
Friday, March, 22, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	718,055
Friday, March, 22, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-466,000
Friday, March, 22, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-1

Friday, March, 22, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	3,069,505
Monday, March, 25, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-16,132
Monday, March, 25, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-97,045
Tuesday, March, 26, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-701,923
Tuesday, March, 26, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral In	466,000
Tuesday, March, 26, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-145,616
Wednesday, March, 27, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-466,000
Wednesday, March, 27, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-593,808
Thursday, March, 28, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	387,412
Thursday, March, 28, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral In	466,000
Thursday, March, 28, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-1,334,854
Thursday, March, 28, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral In	948,119
Friday, March, 29, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	992
Friday, March, 29, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-2,685,284
Friday, March, 29, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral Out	-948,119
Monday, April, 01, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-466,000
Monday, April, 01, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	2,685,284
Monday, April, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral In	948,119
Tuesday, April, 02, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-388,404
Tuesday, April, 02, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-3,041
Tuesday, April, 02, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral Out	-948,119
Thursday, April, 04, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	2
Thursday, April, 04, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	343,537
Friday, April, 05, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral In	466,000
Friday, April, 05, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral In	209,536
Friday, April, 05, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-2
Friday, April, 05, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	775,988
Monday, April, 08, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-466,000
Monday, April, 08, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral Out	-317,876
Monday, April, 08, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-6,075
Tuesday, April, 09, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral Out	-2,152
Tuesday, April, 09, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-1,116,484
Wednesday, April, 10, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	136,717
Wednesday, April, 10, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral Out	-237,508

Wednesday, April, 10, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	419,200
Wednesday, April, 10, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	1,116,483
Thursday, April, 11, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-136,717
Thursday, April, 11, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	1,001,458
Thursday, April, 11, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	421,080
Friday, April, 12, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral In	6
Friday, April, 12, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-1,420,658
Friday, April, 12, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	438,086
Monday, April, 15, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral In	391,000
Monday, April, 15, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral Out	-6
Monday, April, 15, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-470,956
Monday, April, 15, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	7,392,787
Tuesday, April, 16, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	195,776
Tuesday, April, 16, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-613,843
Wednesday, April, 17, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	6,515
Wednesday, April, 17, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-195,774
Thursday, April, 18, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-6,515
Thursday, April, 18, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	2,824,821
Friday, April, 19, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-391,000
Friday, April, 19, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral In	203,242
Friday, April, 19, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral In	152,935
Saturday, April, 20, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral Out	-152,935
Saturday, April, 20, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral In	152,935
Monday, April, 22, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral In	68,597
Monday, April, 22, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-2,596,664
Monday, April, 22, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-1,162,152
Monday, April, 22, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	3,200,000
Tuesday, April, 23, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral In	391,000
Tuesday, April, 23, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral In	5,605
Tuesday, April, 23, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-228,158
Tuesday, April, 23, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	262,240
Tuesday, April, 23, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral Out	-20,944
Wednesday, April, 24, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral Out	-515
Wednesday, April, 24, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	4,783,621

Wednesday, April, 24, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral In	736,706
Thursday, April, 25, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	3,765,108
Thursday, April, 25, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	233,583
Friday, April, 26, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	25,190
Friday, April, 26, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral Out	-3,906
Friday, April, 26, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-1,707,881
Friday, April, 26, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral Out	-34,000
Monday, April, 29, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-37,373
Monday, April, 29, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral Out	-725
Monday, April, 29, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	1,371,168
Monday, April, 29, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	837
Monday, April, 29, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	68,000
Tuesday, April, 30, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	33,192
Tuesday, April, 30, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral Out	-272,279
Tuesday, April, 30, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-4,680,492
Tuesday, April, 30, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-15,804
Tuesday, April, 30, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral Out	-924,755
Wednesday, May, 01, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-64,169
Wednesday, May, 01, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-391,000
Wednesday, May, 01, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral In	296,851
Wednesday, May, 01, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	890,939
Wednesday, May, 01, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral In	239,899
Thursday, May, 02, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-19,594
Thursday, May, 02, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral Out	-296,854
Thursday, May, 02, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	798,926
Thursday, May, 02, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral Out	-1,108,596
Friday, May, 03, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	1,711
Friday, May, 03, 2024	The Northern Trust Company	MACQUARIE BANK LIMITED	Collateral In	2
Friday, May, 03, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	288,433
Friday, May, 03, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	8,012
Friday, May, 03, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral Out	-46,865
Monday, May, 06, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral Out	-37,454
Monday, May, 06, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral Out	-63,461
Monday, May, 06, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral Out	-797,978

Monday, May, 06, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	46,865
Monday, May, 06, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral In	289,526
Tuesday, May, 07, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	5,353
Tuesday, May, 07, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral In	391,000
Tuesday, May, 07, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	22
Tuesday, May, 07, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	809,935
Tuesday, May, 07, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral Out	-258,225
Wednesday, May, 08, 2024	The Northern Trust Company	CITIGROUP GLOBAL MARKETS	Collateral In	81,386
Wednesday, May, 08, 2024	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral Out	-43,000
Wednesday, May, 08, 2024	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral In	4,850,425
Wednesday, May, 08, 2024	The Northern Trust Company	NATIONAL AUSTRALIA BANK L	Collateral In	205,382
Wednesday, May, 08, 2024	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral In	36,614
Wednesday, May, 08, 2024	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral In	115,703

Signature

print name	Leon Stavrou	capacity	Senior Vice President
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sign here		date	
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TRADE_DATE	Legal Entity	Ccy	Type of Transaction	Quantity	Price	Consideration
Thursday, February, 29, 2024	Northern Trust Investments, Inc	AUD	SELL	-15,961.00	8.83000000	140,935.63
Tuesday, January, 16, 2024	Northern Trust Global Investments Limited	AUD	SELL	-2,922.00	6.61000000	19,308.63
Tuesday, April, 09, 2024	Northern Trust Global Investments Limited	AUD	SELL	-808.00	8.83820000	7,139.13
Thursday, January, 11, 2024	Northern Trust Global Investments Limited	AUD	BUY	2,755.00	6.44000000	-17,747.52
Friday, March, 15, 2024	Northern Trust Investments, Inc	AUD	SELL	-3,432.00	8.82000000	30,270.24
Tuesday, March, 26, 2024	Northern Trust Global Investments Limited	AUD	SELL	-889.00	8.82160000	7,840.05
Monday, April, 29, 2024	Northern Trust Global Investments Limited	AUD	SELL	-759.00	8.87360000	6,733.04
Friday, March, 15, 2024	Northern Trust Global Investments Limited	AUD	SELL	-38,617.00	8.82000000	340,601.94
Friday, March, 15, 2024	Northern Trust Asset Management Australia Pty Ltd	AUD	SELL	-5,519.00	8.82000000	48,677.58
Friday, April, 05, 2024	Northern Trust Global Investments Limited	AUD	BUY	15,412.00	8.83000000	-136,128.79

Signature

print name	Leon Stavrou	capacity	Senior Vice President
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sign here		date	
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