

Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme PILBARA MINERALS LTD

ACN/ARSN 112 425 788

1. Details of substantial holder (1)

Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures
ACN/ARSN (if applicable) to this form)

The holder became a substantial holder on 30 /11 /2022

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)
ord	158,674,718	158,674,718	5.29

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
Annexure A & D		

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
see Annexure A			

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	
see Annexure B				

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
see Annexure A	

7. Addresses

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

Name	Address
see Annexure C	

Signature

print name Jack Tuberosa

capacity Authorised Signatory*

sign here

date 5 / 12 / 2022

* At a meeting of the Board on 22 November 2013, the Directors resolved to approve the delegation of the preparation and lodgement of substantial shareholder notices on behalf of BlackRock Investment Management (Australia) Limited.

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. 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 (eg. 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.

05-Dec-22

Date

Jack Tuberosa,
Authorised Signatory

3. Details of Relevant Interests

4. Details of present registered holders

6. Associates

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BANK OF NY BRUS		ord 284,424	284,424	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BONY EUROPE - LONDON		ord 1,663,315	1,663,315	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JPM CHASE - LONDON		ord 1,529,555	1,529,555	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST UK		ord 561,429	561,429	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET DUBLIN		ord 9,664,111	9,664,111	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ord 94,676	94,676	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 32,264	32,264	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ord 1,366,416	1,366,416	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ord 9,263	9,263	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 1,282,282	1,282,282	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ord 141,258	141,258	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ord 710,836	710,836	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CITI-CITIBANK, HONG KONG		ord 18,053	18,053	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	Northern Trust Singapore		ord 3,683	3,683	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ord 52,584	52,584	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNP PRIME CUSTODY US		ord 1,106	1,106	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ord 173,087	173,087	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ord 62,107	62,107	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CITI-CITIBANK, LONDON		ord 7,074	7,074	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 238,637	238,637	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	MS-MORGAN STANLEY & CO INC		ord 33,034	33,034	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST UK		ord 57,745	57,745	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET BANK & TRUST TORONTO		ord 13,859	13,859	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET BANK, BOSTON		ord 682,284	682,284	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ord 156,835	156,835	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ord 43,676,083	43,676,083	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BANK OF NY BRUS		ord 417,817	417,817	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ord 1,293,036	1,293,036	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CITI-CITIGROUP GLOBAL MARKETS PRIME BROKERAGE - NEW YORK		ord 20,257	20,257	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 33,037,590	33,037,590	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	MS-MORGAN STANLEY & CO INC		ord 1,647	1,647	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ord 335,712	335,712	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ord 102,537	102,537	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STATE HONG KONG		ord 174,846	174,846	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ord 4,829	4,829	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST UK		ord 525,165	525,165	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNP-BNP PARIBAS AUSTRALIA - COGENT		ord 410,399	410,399	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ord 70,314	70,314	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CITI-Citigroup Australia - SYDNEY		ord 354,826	354,826	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	HSBC-HSBC SYDNEY		ord 4,230,421	4,230,421	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JPM CHASE - SYDNEY		ord 14,923,120	14,923,120	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ord 7,721,376	7,721,376	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	Northern Trust Singapore		ord 3,997,531	3,997,531	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	UBS- UBS- ZURICH		ord 89,915	89,915	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNP PARIBAS LUX		ord 10,821	10,821	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNP-BNP Paribas Milan		ord 4,123	4,123	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BANK OF NY BRUS		ord 3,512,664	3,512,664	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BONY EUROPE - LONDON		ord 1,775,996	1,775,996	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNYM-BONY LUXEMBOURG		ord 5,877,324	5,877,324	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	CB-Caceis Bank Amsterdam		ord 120,478	120,478	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	CITI-CITIBANK, LONDON		ord 2,207,033	2,207,033	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	HSBC BANK MIDDLE EAST LIMITED		ord 32,696	32,696	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	HSBC-HSBC - LONDON		ord 2,689,904	2,689,904	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 133,724	133,724	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	NT-NORTHERN TRUST UK		ord 4,412,798	4,412,798	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STATE HONG KONG		ord 75,111	75,111	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ord 387,993	387,993	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STREET BANK, GERMANY		ord 156,193	156,193	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STREET LONDON		ord 1,111,465	1,111,465	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ord 236,830	236,830	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ord 1,349,521	1,349,521	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 1,175,580	1,175,580	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ord 82,401	82,401	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 259,119	259,119	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-State Street Bank And Trust Co.		ord 2,812,981	2,812,981	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET BANK, BOSTON		ord 22,625	22,625	subsidiary of BlackRock Inc.

This is Annexure B of 13 pages referred to in form 603 Notice of initial substantial shareholder

05-Dec-22

Jack Tuberosa,
Authorised Signatory

Date

5. Consideration

PILBARA MINERALS LTD (PLS)									
Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt	Consideration				Class and number of securities affected	Person's votes affected		
		Cash	Non-cash	CCY					
BlackRock Advisors (UK) Limited	01-Aug-22	no	n/a	collateral transfer	AUD	ord	28,672	28,672	
BlackRock Investment Management (UK) Limited	02-Aug-22	no	n/a	in specie	AUD	ord	168,014	168,014	
BlackRock Investment Management (Australia) Limited	02-Aug-22	yes	2.74	on mkt buy	AUD	ord	15,758	15,758	
BlackRock Investment Management (Australia) Limited	02-Aug-22	yes	2.74	on mkt buy	AUD	ord	26,390	26,390	
BlackRock Investment Management (Australia) Limited	02-Aug-22	yes	2.74	on mkt buy	AUD	ord	61,881	61,881	
BlackRock Advisors (UK) Limited	02-Aug-22	no	n/a	collateral transfer	AUD	ord	21,261	21,261	
BlackRock Investment Management (Australia) Limited	03-Aug-22	yes	2.75	on mkt buy	AUD	ord	52,861	52,861	
BlackRock Investment Management (Australia) Limited	03-Aug-22	yes	2.75	on mkt buy	AUD	ord	49,147	49,147	
BlackRock Institutional Trust Company, National Association	03-Aug-22	yes	2.74	on mkt buy	AUD	ord	30,118	30,118	
BlackRock Institutional Trust Company, National Association	03-Aug-22	yes	2.74	on mkt buy	AUD	ord	6,804	6,804	
BlackRock Institutional Trust Company, National Association	03-Aug-22	yes	2.74	on mkt buy	AUD	ord	6,842	6,842	
BlackRock Investment Management (Australia) Limited	03-Aug-22	yes	2.80	on mkt buy	AUD	ord	60,974	60,974	
BlackRock Investment Management (UK) Limited	03-Aug-22	no	n/a	collateral transfer	AUD	ord	6,827,151	6,827,151	
BlackRock Fund Advisors	04-Aug-22	no	n/a	in specie	AUD	ord	6,231	6,231	
BlackRock Investment Management (Australia) Limited	04-Aug-22	yes	2.83	on mkt buy	AUD	ord	57,286	57,286	
BlackRock Investment Management (Australia) Limited	04-Aug-22	yes	2.82	on mkt buy	AUD	ord	3,210	3,210	
BlackRock Investment Management (Australia) Limited	04-Aug-22	yes	2.77	on mkt buy	AUD	ord	56,518	56,518	
BlackRock Advisors (UK) Limited	04-Aug-22	no	n/a	collateral transfer	AUD	ord	10,156,000	10,156,000	
BlackRock Investment Management (Australia) Limited	05-Aug-22	yes	2.87	on mkt buy	AUD	ord	7,917	7,917	
BlackRock Investment Management (UK) Limited	05-Aug-22	no	n/a	collateral transfer	AUD	ord	7,292,496	7,292,496	
BlackRock Advisors (UK) Limited	08-Aug-22	no	n/a	collateral transfer	AUD	ord	7,304,688	7,304,688	
BlackRock Investment Management (Australia) Limited	09-Aug-22	yes	3.01	on mkt buy	AUD	ord	1,888	1,888	
BlackRock Investment Management (Australia) Limited	09-Aug-22	yes	3.00	on mkt buy	AUD	ord	26,390	26,390	
BlackRock Investment Management (Australia) Limited	09-Aug-22	yes	3.00	on mkt buy	AUD	ord	15,834	15,834	
BlackRock Advisors (UK) Limited	09-Aug-22	no	n/a	collateral transfer	AUD	ord	52,944	52,944	
BlackRock Fund Advisors	10-Aug-22	no	n/a	in specie	AUD	ord	68,574	68,574	
BlackRock Institutional Trust Company, National Association	10-Aug-22	yes	2.98	on mkt buy	AUD	ord	10,449	10,449	
BlackRock Institutional Trust Company, National Association	10-Aug-22	yes	2.98	on mkt buy	AUD	ord	1,168	1,168	
BlackRock Institutional Trust Company, National Association	10-Aug-22	yes	2.98	on mkt buy	AUD	ord	1,411	1,411	
BlackRock Investment Management (Australia) Limited	10-Aug-22	yes	2.98	on mkt buy	AUD	ord	84,896	84,896	
BlackRock Investment Management (Australia) Limited	10-Aug-22	yes	2.98	on mkt buy	AUD	ord	19,906	19,906	
BlackRock Investment Management (Australia) Limited	10-Aug-22	yes	2.98	on mkt buy	AUD	ord	49,479	49,479	
BlackRock Investment Management (Australia) Limited	10-Aug-22	yes	2.98	on mkt buy	AUD	ord	178,455	178,455	
BlackRock Advisors (UK) Limited	10-Aug-22	no	n/a	collateral transfer	AUD	ord	38,496	38,496	
BlackRock Investment Management (Australia) Limited	11-Aug-22	yes	3.11	on mkt buy	AUD	ord	11,144	11,144	
BlackRock Investment Management (Australia) Limited	11-Aug-22	yes	3.11	on mkt buy	AUD	ord	18,548	18,548	
BlackRock Investment Management (Australia) Limited	11-Aug-22	yes	3.11	on mkt buy	AUD	ord	54,845	54,845	
BlackRock Investment Management (Australia) Limited	11-Aug-22	yes	3.11	on mkt buy	AUD	ord	11,216	11,216	
BlackRock Investment Management (UK) Limited	11-Aug-22	no	n/a	collateral transfer	AUD	ord	4,723,552	4,723,552	
BlackRock Investment Management (Australia) Limited	12-Aug-22	yes	3.10	on mkt buy	AUD	ord	40,770	40,770	
BlackRock Investment Management (Australia) Limited	12-Aug-22	yes	3.10	on mkt buy	AUD	ord	29,677	29,677	
BlackRock Investment Management (Australia) Limited	12-Aug-22	no	n/a	in specie	AUD	ord	428,495	428,495	

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			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	12-Aug-22	no	n/a	collateral transfer	AUD	ord	2,735,472	2,735,472
BlackRock Investment Management (Australia) Limited	15-Aug-22	yes	3.23	on mkt buy	AUD	ord	12,111	12,111
BlackRock Fund Advisors	16-Aug-22	yes	3.17	on mkt buy	AUD	ord	48,373	48,373
BlackRock Investment Management (Australia) Limited	16-Aug-22	yes	3.17	on mkt buy	AUD	ord	16,094	16,094
BlackRock Institutional Trust Company, National Association	17-Aug-22	yes	3.10	on mkt buy	AUD	ord	645	645
BlackRock Investment Management (Australia) Limited	17-Aug-22	yes	3.11	on mkt buy	AUD	ord	19,060	19,060
BlackRock Investment Management (Australia) Limited	17-Aug-22	yes	3.11	on mkt buy	AUD	ord	47,962	47,962
BlackRock Investment Management (Australia) Limited	17-Aug-22	yes	3.11	on mkt buy	AUD	ord	54,530	54,530
BlackRock Advisors (UK) Limited	17-Aug-22	yes	3.12	on mkt buy	AUD	ord	6,722	6,722
BlackRock Institutional Trust Company, National Association	17-Aug-22	yes	3.12	on mkt buy	AUD	ord	8,442	8,442
BlackRock Advisors (UK) Limited	17-Aug-22	no	n/a	collateral transfer	AUD	ord	10,036,721	10,036,721
BlackRock Investment Management (Australia) Limited	18-Aug-22	yes	3.05	on mkt buy	AUD	ord	15,209	15,209
BlackRock Investment Management (Australia) Limited	18-Aug-22	yes	3.05	on mkt buy	AUD	ord	71,584	71,584
BlackRock Investment Management (Australia) Limited	18-Aug-22	yes	3.05	on mkt buy	AUD	ord	105,117	105,117
BlackRock Advisors (UK) Limited	18-Aug-22	no	n/a	collateral transfer	AUD	ord	814,976	814,976
BlackRock Investment Management (Australia) Limited	19-Aug-22	yes	3.06	on mkt buy	AUD	ord	6,709	6,709
BlackRock Investment Management (Australia) Limited	19-Aug-22	yes	3.06	on mkt buy	AUD	ord	52,906	52,906
BlackRock Investment Management (Australia) Limited	19-Aug-22	yes	3.06	on mkt buy	AUD	ord	60,804	60,804
BlackRock Investment Management (Australia) Limited	19-Aug-22	yes	3.06	on mkt buy	AUD	ord	63,100	63,100
BlackRock Investment Management (UK) Limited	19-Aug-22	yes	3.05	on mkt buy	AUD	ord	28,438	28,438
BlackRock Institutional Trust Company, National Association	22-Aug-22	yes	3.14	on mkt buy	AUD	ord	8,902	8,902
BlackRock Institutional Trust Company, National Association	22-Aug-22	yes	3.14	on mkt buy	AUD	ord	1,268	1,268
BlackRock Institutional Trust Company, National Association	22-Aug-22	yes	3.14	on mkt buy	AUD	ord	976	976
BlackRock Investment Management (Australia) Limited	22-Aug-22	yes	3.17	on mkt buy	AUD	ord	21,112	21,112
BlackRock Advisors (UK) Limited	22-Aug-22	no	n/a	collateral transfer	AUD	ord	6,152,275	6,152,275
BlackRock Fund Advisors	23-Aug-22	no	n/a	in specie	AUD	ord	66,510	66,510
BlackRock Investment Management (Australia) Limited	23-Aug-22	yes	3.28	on mkt buy	AUD	ord	59,065	59,065
BlackRock Fund Advisors	24-Aug-22	no	n/a	in specie	AUD	ord	53,208	53,208
BlackRock Investment Management (Australia) Limited	24-Aug-22	yes	3.38	on mkt buy	AUD	ord	8,935	8,935
BlackRock Investment Management (Australia) Limited	24-Aug-22	yes	3.38	on mkt buy	AUD	ord	43,471	43,471
BlackRock Investment Management (Australia) Limited	24-Aug-22	yes	3.38	on mkt buy	AUD	ord	93,737	93,737
BlackRock Investment Management (Australia) Limited	24-Aug-22	yes	3.38	on mkt buy	AUD	ord	67,705	67,705
BlackRock Investment Management (Australia) Limited	25-Aug-22	yes	3.48	on mkt buy	AUD	ord	14,528	14,528
BlackRock Investment Management (Australia) Limited	25-Aug-22	yes	3.48	on mkt buy	AUD	ord	75,623	75,623
BlackRock Advisors (UK) Limited	25-Aug-22	no	n/a	collateral transfer	AUD	ord	10,218,888	10,218,888
BlackRock Investment Management (Australia) Limited	26-Aug-22	yes	3.54	on mkt buy	AUD	ord	10,456	10,456
BlackRock Investment Management (Australia) Limited	26-Aug-22	yes	3.54	on mkt buy	AUD	ord	45,829	45,829
BlackRock Investment Management (Australia) Limited	26-Aug-22	yes	3.54	on mkt buy	AUD	ord	129,202	129,202
BlackRock Investment Management (UK) Limited	26-Aug-22	yes	3.52	on mkt buy	AUD	ord	55,965	55,965
BlackRock Investment Management (Australia) Limited	26-Aug-22	yes	3.54	on mkt buy	AUD	ord	71,011	71,011
BlackRock Fund Advisors	29-Aug-22	no	n/a	in specie	AUD	ord	7,115	7,115
BlackRock Investment Management (Australia) Limited	29-Aug-22	yes	3.49	on mkt buy	AUD	ord	4,037	4,037
BlackRock Investment Management (Australia) Limited	29-Aug-22	yes	3.49	on mkt buy	AUD	ord	18,473	18,473
BlackRock Fund Advisors	29-Aug-22	no	n/a	in specie	AUD	ord	9,961	9,961
BlackRock Advisors (UK) Limited	29-Aug-22	no	n/a	collateral transfer	AUD	ord	14	14
BlackRock Investment Management (Australia) Limited	30-Aug-22	yes	3.55	on mkt buy	AUD	ord	55,367	55,367
BlackRock Investment Management (Australia) Limited	30-Aug-22	yes	3.56	on mkt buy	AUD	ord	1,361	1,361
BlackRock Investment Management (Australia) Limited	31-Aug-22	yes	3.65	on mkt buy	AUD	ord	69,614	69,614
BlackRock Investment Management (Australia) Limited	31-Aug-22	yes	3.65	on mkt buy	AUD	ord	40,081	40,081
BlackRock Investment Management (UK) Limited	31-Aug-22	yes	3.65	on mkt buy	AUD	ord	26,053	26,053
BlackRock Fund Advisors	31-Aug-22	yes	3.65	on mkt buy	AUD	ord	15,893	15,893
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	3.65	on mkt buy	AUD	ord	27,758	27,758

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BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	3.65	on mkt buy	AUD	ord	9,828	9,828
BlackRock Advisors (UK) Limited	31-Aug-22	no	n/a	collateral transfer	AUD	ord	4,007,730	4,007,730
BlackRock Investment Management, LLC	01-Sep-22	yes	3.63	on mkt buy	AUD	ord	11,936	11,936
BlackRock Institutional Trust Company, National Association	01-Sep-22	yes	3.63	on mkt buy	AUD	ord	9,512	9,512
BlackRock Asset Management North Asia Limited	02-Sep-22	yes	3.59	on mkt buy	AUD	ord	3,683	3,683
BlackRock Investment Management (Australia) Limited	05-Sep-22	yes	3.65	on mkt buy	AUD	ord	23,307	23,307
BlackRock Fund Advisors	06-Sep-22	yes	3.77	on mkt buy	AUD	ord	6,820	6,820
BlackRock Investment Management (Australia) Limited	06-Sep-22	yes	3.96	on mkt buy	AUD	ord	26,390	26,390
BlackRock Investment Management (Australia) Limited	06-Sep-22	yes	3.96	on mkt buy	AUD	ord	5,278	5,278
BlackRock Advisors (UK) Limited	06-Sep-22	no	n/a	collateral transfer	AUD	ord	0	0
BlackRock Investment Management (Australia) Limited	07-Sep-22	yes	3.96	on mkt buy	AUD	ord	15,236	15,236
BlackRock Investment Management (Australia) Limited	07-Sep-22	yes	3.96	on mkt buy	AUD	ord	22,016	22,016
BlackRock Investment Management (Australia) Limited	09-Sep-22	yes	4.41	on mkt buy	AUD	ord	25,615	25,615
BLACKROCK FINANCIAL MANAGEMENT, INC.	09-Sep-22	yes	4.32	on mkt buy	AUD	ord	564	564
BlackRock Investment Management (Australia) Limited	09-Sep-22	yes	4.50	on mkt buy	AUD	ord	7,917	7,917
BlackRock Investment Management (Australia) Limited	09-Sep-22	yes	4.50	on mkt buy	AUD	ord	4,037	4,037
BlackRock Fund Advisors	09-Sep-22	yes	4.50	on mkt buy	AUD	ord	45,191	45,191
BlackRock Advisors (UK) Limited	09-Sep-22	no	n/a	collateral transfer	AUD	ord	4,291,473	4,291,473
BlackRock Institutional Trust Company, National Association	12-Sep-22	yes	4.57	on mkt buy	AUD	ord	156,649	156,649
BlackRock Advisors (UK) Limited	12-Sep-22	no	n/a	collateral transfer	AUD	ord	1,090,054	1,090,054
BlackRock Fund Advisors	13-Sep-22	no	n/a	in specie	AUD	ord	58,084	58,084
BlackRock Investment Management (Australia) Limited	13-Sep-22	yes	4.74	on mkt buy	AUD	ord	4,512	4,512
BlackRock Fund Advisors	14-Sep-22	no	n/a	in specie	AUD	ord	6,945	6,945
BlackRock Investment Management (Australia) Limited	14-Sep-22	yes	4.58	on mkt buy	AUD	ord	28,183	28,183
BlackRock Investment Management (Australia) Limited	14-Sep-22	yes	4.59	on mkt buy	AUD	ord	34,037	34,037
BlackRock Investment Management (Australia) Limited	14-Sep-22	yes	4.59	on mkt buy	AUD	ord	7,917	7,917
BlackRock Advisors (UK) Limited	14-Sep-22	no	n/a	collateral transfer	AUD	ord	1,063,123	1,063,123
BlackRock Investment Management (Australia) Limited	15-Sep-22	yes	4.73	on mkt buy	AUD	ord	57,881	57,881
BlackRock Institutional Trust Company, National Association	15-Sep-22	yes	4.69	on mkt buy	AUD	ord	32,248	32,248
BlackRock Investment Management (UK) Limited	15-Sep-22	no	n/a	collateral transfer	AUD	ord	498,304	498,304
BlackRock Investment Management (Australia) Limited	16-Sep-22	yes	4.56	on mkt buy	AUD	ord	31,678	31,678
BlackRock Investment Management (Australia) Limited	16-Sep-22	yes	4.59	on mkt buy	AUD	ord	4,037	4,037
BlackRock Investment Management (UK) Limited	16-Sep-22	yes	4.59	on mkt buy	AUD	ord	67,829	67,829
BlackRock Investment Management (UK) Limited	16-Sep-22	yes	4.59	on mkt buy	AUD	ord	16,426	16,426
BlackRock Investment Management (Australia) Limited	16-Sep-22	yes	4.59	on mkt buy	AUD	ord	27,742	27,742
BlackRock Investment Management (UK) Limited	16-Sep-22	yes	4.59	on mkt buy	AUD	ord	10,886	10,886
BLACKROCK FINANCIAL MANAGEMENT, INC.	16-Sep-22	yes	4.59	on mkt buy	AUD	ord	17,634	17,634
BlackRock Advisors (UK) Limited	16-Sep-22	no	n/a	collateral transfer	AUD	ord	6,916,196	6,916,196
BlackRock Investment Management (Australia) Limited	19-Sep-22	yes	4.75	on mkt buy	AUD	ord	7,890	7,890
BlackRock Advisors (UK) Limited	20-Sep-22	no	n/a	collateral transfer	AUD	ord	3,714,694	3,714,694
BlackRock Fund Advisors	21-Sep-22	no	n/a	in specie	AUD	ord	9,604	9,604
BlackRock Advisors (UK) Limited	21-Sep-22	no	n/a	collateral transfer	AUD	ord	4,744,259	4,744,259
BlackRock Fund Advisors	22-Sep-22	no	n/a	in specie	AUD	ord	6,865	6,865
BlackRock Fund Advisors	22-Sep-22	no	n/a	in specie	AUD	ord	5,492	5,492
BlackRock Investment Management (Australia) Limited	23-Sep-22	yes	4.88	on mkt buy	AUD	ord	137,579	137,579
BlackRock Fund Advisors	23-Sep-22	yes	4.85	on mkt buy	AUD	ord	76,218	76,218
BlackRock Fund Advisors	26-Sep-22	yes	4.60	on mkt buy	AUD	ord	14,938	14,938
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	4.41	on mkt buy	AUD	ord	4,037	4,037
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	4.41	on mkt buy	AUD	ord	10,520	10,520
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	4.41	on mkt buy	AUD	ord	4,037	4,037
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	4.41	on mkt buy	AUD	ord	11,186	11,186
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	4.41	on mkt buy	AUD	ord	20,148	20,148
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	4.41	on mkt buy	AUD	ord	1,888	1,888
BlackRock Institutional Trust Company, National Association	26-Sep-22	yes	4.41	on mkt buy	AUD	ord	6,592	6,592
BlackRock Advisors (UK) Limited	26-Sep-22	no	n/a	collateral transfer	AUD	ord	1,765,488	1,765,488

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BlackRock Fund Advisors	27-Sep-22	yes	4.48	on mkt buy	AUD	ord	35,669	35,669
BlackRock Advisors (UK) Limited	27-Sep-22	no	n/a	collateral transfer	AUD	ord	138,205	138,205
BlackRock Investment Management (UK) Limited	27-Sep-22	no	n/a	collateral transfer	AUD	ord	1,100,396	1,100,396
BlackRock Investment Management (Australia) Limited	28-Sep-22	yes	4.55	on mkt buy	AUD	ord	18,410	18,410
BlackRock Investment Management (Australia) Limited	28-Sep-22	yes	4.55	on mkt buy	AUD	ord	1,685	1,685
BlackRock Advisors (UK) Limited	28-Sep-22	no	n/a	collateral transfer	AUD	ord	23,263	23,263
BlackRock Fund Advisors	29-Sep-22	no	n/a	in specie	AUD	ord	6,875	6,875
BlackRock Investment Management (Australia) Limited	29-Sep-22	yes	4.69	on mkt buy	AUD	ord	132,599	132,599
BlackRock Institutional Trust Company, National Association	29-Sep-22	yes	4.69	on mkt buy	AUD	ord	2,793	2,793
BlackRock Investment Management (Australia) Limited	30-Sep-22	yes	4.53	on mkt buy	AUD	ord	78,441	78,441
BlackRock Investment Management (Australia) Limited	30-Sep-22	yes	4.53	on mkt buy	AUD	ord	84,815	84,815
BlackRock Investment Management (Australia) Limited	30-Sep-22	yes	4.53	on mkt buy	AUD	ord	83,506	83,506
BlackRock Investment Management (Australia) Limited	30-Sep-22	yes	4.53	on mkt buy	AUD	ord	15,928	15,928
BlackRock Institutional Trust Company, National Association	30-Sep-22	yes	4.53	on mkt buy	AUD	ord	2,051	2,051
BlackRock Investment Management (Australia) Limited	30-Sep-22	yes	4.56	on mkt buy	AUD	ord	10,520	10,520
BlackRock Institutional Trust Company, National Association	30-Sep-22	yes	4.56	on mkt buy	AUD	ord	20,046	20,046
BlackRock Investment Management (Australia) Limited	30-Sep-22	yes	4.56	on mkt buy	AUD	ord	16,136	16,136
BlackRock Advisors (UK) Limited	30-Sep-22	no	n/a	collateral transfer	AUD	ord	451,459	451,459
BlackRock Fund Advisors	03-Oct-22	no	n/a	in specie	AUD	ord	6,920	6,920
BlackRock Advisors (UK) Limited	03-Oct-22	yes	4.55	on mkt buy	AUD	ord	21,232	21,232
BlackRock Investment Management (Australia) Limited	03-Oct-22	yes	4.55	on mkt buy	AUD	ord	30,108	30,108
BlackRock Investment Management (Australia) Limited	04-Oct-22	yes	4.92	on mkt buy	AUD	ord	3,026	3,026
BlackRock Investment Management (Australia) Limited	04-Oct-22	yes	5.11	on mkt buy	AUD	ord	18,410	18,410
BlackRock Investment Management (Australia) Limited	04-Oct-22	yes	5.11	on mkt buy	AUD	ord	7,962	7,962
BlackRock Fund Advisors	05-Oct-22	no	n/a	in specie	AUD	ord	5,432	5,432
BlackRock Investment Management (Australia) Limited	05-Oct-22	yes	5.14	on mkt buy	AUD	ord	254,139	254,139
BlackRock Investment Management (UK) Limited	05-Oct-22	yes	5.11	on mkt buy	AUD	ord	18,179	18,179
BlackRock Investment Management (Australia) Limited	06-Oct-22	yes	5.42	on mkt buy	AUD	ord	115,385	115,385
BlackRock Fund Advisors	06-Oct-22	yes	5.40	on mkt buy	AUD	ord	22,750	22,750
BlackRock Investment Management (UK) Limited	06-Oct-22	yes	5.40	on mkt buy	AUD	ord	2,157	2,157
BlackRock Investment Management (Australia) Limited	06-Oct-22	yes	5.40	on mkt buy	AUD	ord	2,452	2,452
BlackRock Advisors (UK) Limited	06-Oct-22	no	n/a	collateral transfer	AUD	ord	0	0
BlackRock Fund Advisors	07-Oct-22	no	n/a	in specie	AUD	ord	21,870	21,870
BlackRock Fund Advisors	07-Oct-22	no	n/a	in specie	AUD	ord	32,805	32,805
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	5.46	on mkt buy	AUD	ord	6,003	6,003
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	5.39	on mkt buy	AUD	ord	15,050	15,050
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	5.39	on mkt buy	AUD	ord	60,845	60,845
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	5.42	on mkt buy	AUD	ord	10,492	10,492
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	5.39	on mkt buy	AUD	ord	74,152	74,152
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	5.42	on mkt buy	AUD	ord	31,497	31,497
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	5.42	on mkt buy	AUD	ord	42,097	42,097
BlackRock Investment Management (UK) Limited	07-Oct-22	yes	5.42	on mkt buy	AUD	ord	3,033	3,033
BlackRock Advisors (UK) Limited	07-Oct-22	no	n/a	in specie	AUD	ord	169,342	169,342
BLACKROCK FINANCIAL MANAGEMENT, INC.	10-Oct-22	yes	5.32	on mkt buy	AUD	ord	7,796	7,796
BlackRock Investment Management, LLC	10-Oct-22	yes	5.21	on mkt buy	AUD	ord	15,058	15,058
BlackRock Advisors (UK) Limited	10-Oct-22	no	n/a	collateral transfer	AUD	ord	0	0
BLACKROCK FINANCIAL MANAGEMENT, INC.	11-Oct-22	yes	5.33	on mkt buy	AUD	ord	13,727	13,727
BlackRock Fund Advisors	11-Oct-22	no	n/a	in specie	AUD	ord	32,898	32,898
BlackRock Fund Advisors	11-Oct-22	no	n/a	in specie	AUD	ord	6,795	6,795
BlackRock Fund Advisors	11-Oct-22	yes	5.24	on mkt buy	AUD	ord	28,804	28,804
BlackRock Advisors (UK) Limited	11-Oct-22	no	n/a	collateral transfer	AUD	ord	326	326
BlackRock Investment Management (Australia) Limited	12-Oct-22	yes	5.16	on mkt buy	AUD	ord	13,024	13,024
BlackRock Investment Management (Australia) Limited	12-Oct-22	yes	5.16	on mkt buy	AUD	ord	74,907	74,907
BlackRock Investment Management (Australia) Limited	12-Oct-22	yes	5.16	on mkt buy	AUD	ord	63,803	63,803
BlackRock Investment Management (Australia) Limited	12-Oct-22	yes	5.16	on mkt buy	AUD	ord	109,236	109,236
BlackRock Institutional Trust Company, National Association	12-Oct-22	yes	5.17	on mkt buy	AUD	ord	3,634	3,634

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			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	12-Oct-22	yes	5.16	on mkt buy	AUD	ord	27,963	27,963
BlackRock Institutional Trust Company, National Association	12-Oct-22	yes	5.16	on mkt buy	AUD	ord	7,874	7,874
BlackRock Institutional Trust Company, National Association	12-Oct-22	yes	5.16	on mkt buy	AUD	ord	7,649	7,649
BLACKROCK FINANCIAL MANAGEMENT, INC.	12-Oct-22	yes	5.17	on mkt buy	AUD	ord	12,588	12,588
BLACKROCK FINANCIAL MANAGEMENT, INC.	12-Oct-22	yes	5.17	on mkt buy	AUD	ord	1,138	1,138
BlackRock Advisors (UK) Limited	12-Oct-22	no	n/a	collateral transfer	AUD	ord	0	0
BlackRock Fund Advisors	13-Oct-22	no	n/a	in specie	AUD	ord	21,934	21,934
BlackRock Fund Advisors	13-Oct-22	no	n/a	in specie	AUD	ord	13,680	13,680
BlackRock Institutional Trust Company, National Association	13-Oct-22	yes	4.95	on mkt buy	AUD	ord	1,577	1,577
BLACKROCK FINANCIAL MANAGEMENT, INC.	13-Oct-22	yes	4.95	on mkt buy	AUD	ord	11,719	11,719
BlackRock Institutional Trust Company, National Association	13-Oct-22	yes	4.94	on mkt buy	AUD	ord	4,794	4,794
BlackRock Investment Management (Australia) Limited	13-Oct-22	yes	4.94	on mkt buy	AUD	ord	1,893	1,893
BlackRock Institutional Trust Company, National Association	14-Oct-22	yes	4.83	on mkt buy	AUD	ord	756	756
BlackRock Investment Management (Australia) Limited	14-Oct-22	yes	4.79	on mkt buy	AUD	ord	17,404	17,404
BlackRock Investment Management (Australia) Limited	14-Oct-22	yes	4.79	on mkt buy	AUD	ord	70,515	70,515
BlackRock Investment Management (Australia) Limited	14-Oct-22	yes	4.79	on mkt buy	AUD	ord	52,807	52,807
BlackRock Investment Management (Australia) Limited	14-Oct-22	yes	4.79	on mkt buy	AUD	ord	101,740	101,740
BLACKROCK FINANCIAL MANAGEMENT, INC.	14-Oct-22	yes	4.83	on mkt buy	AUD	ord	13,519	13,519
BlackRock Investment Management (UK) Limited	14-Oct-22	yes	4.69	on mkt buy	AUD	ord	18,880	18,880
BlackRock Investment Management (UK) Limited	14-Oct-22	yes	4.69	on mkt buy	AUD	ord	1,090	1,090
BlackRock Institutional Trust Company, National Association	14-Oct-22	yes	4.69	on mkt buy	AUD	ord	17,989	17,989
BlackRock Institutional Trust Company, National Association	17-Oct-22	yes	4.76	on mkt buy	AUD	ord	12,059	12,059
BlackRock Institutional Trust Company, National Association	17-Oct-22	yes	4.77	on mkt buy	AUD	ord	7,104	7,104
BlackRock Institutional Trust Company, National Association	17-Oct-22	yes	4.77	on mkt buy	AUD	ord	1,086	1,086
BlackRock Institutional Trust Company, National Association	17-Oct-22	yes	4.77	on mkt buy	AUD	ord	1,168	1,168
BlackRock Advisors (UK) Limited	17-Oct-22	no	n/a	collateral transfer	AUD	ord	0	0
BlackRock Institutional Trust Company, National Association	18-Oct-22	yes	4.85	on mkt buy	AUD	ord	1,750	1,750
BlackRock Investment Management (Australia) Limited	18-Oct-22	yes	4.85	on mkt buy	AUD	ord	1,983	1,983
BlackRock Advisors (UK) Limited	18-Oct-22	no	n/a	collateral transfer	AUD	ord	0	0
BlackRock Institutional Trust Company, National Association	19-Oct-22	yes	5.01	on mkt buy	AUD	ord	2,592	2,592
BlackRock Investment Management (Australia) Limited	19-Oct-22	yes	5.00	on mkt buy	AUD	ord	4,890	4,890
BlackRock Investment Management (Australia) Limited	19-Oct-22	yes	5.00	on mkt buy	AUD	ord	29,928	29,928
BlackRock Fund Advisors	19-Oct-22	no	n/a	in specie	AUD	ord	6,485	6,485
BlackRock Fund Advisors	19-Oct-22	no	n/a	in specie	AUD	ord	7,782	7,782
BlackRock Institutional Trust Company, National Association	19-Oct-22	yes	5.08	on mkt buy	AUD	ord	125,981	125,981
BlackRock Advisors (UK) Limited	19-Oct-22	no	n/a	collateral transfer	AUD	ord	1,252,608	1,252,608
BlackRock Institutional Trust Company, National Association	20-Oct-22	yes	5.04	on mkt buy	AUD	ord	2,034	2,034
BlackRock Institutional Trust Company, National Association	20-Oct-22	yes	4.97	on mkt buy	AUD	ord	4,748	4,748
BLACKROCK FINANCIAL MANAGEMENT, INC.	20-Oct-22	yes	4.97	on mkt buy	AUD	ord	7,074	7,074
BlackRock Investment Management (UK) Limited	20-Oct-22	no	n/a	collateral transfer	AUD	ord	199,424	199,424
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Oct-22	yes	5.04	on mkt buy	AUD	ord	15,862	15,862
BlackRock Advisors (UK) Limited	21-Oct-22	yes	5.07	on mkt buy	AUD	ord	3,685	3,685
BlackRock Advisors (UK) Limited	21-Oct-22	no	n/a	collateral transfer	AUD	ord	7,514,625	7,514,625
BlackRock Investment Management (UK) Limited	21-Oct-22	no	n/a	collateral transfer	AUD	ord	56,576	56,576
BlackRock Investment Management (Australia) Limited	24-Oct-22	yes	5.36	on mkt buy	AUD	ord	1,829	1,829
BlackRock Investment Management (Australia) Limited	24-Oct-22	yes	5.36	on mkt buy	AUD	ord	88,296	88,296
BlackRock Investment Management (Australia) Limited	24-Oct-22	yes	5.38	on mkt buy	AUD	ord	26,130	26,130
BlackRock Institutional Trust Company, National Association	25-Oct-22	yes	5.40	on mkt buy	AUD	ord	364	364
BlackRock Investment Management, LLC	25-Oct-22	yes	5.36	on mkt buy	AUD	ord	9,273	9,273
BlackRock Advisors (UK) Limited	25-Oct-22	no	n/a	collateral transfer	AUD	ord	10,110,725	10,110,725
BlackRock Investment Management (UK) Limited	25-Oct-22	no	n/a	collateral transfer	AUD	ord	719,297	719,297
BlackRock Investment Management (Australia) Limited	26-Oct-22	yes	5.19	on mkt buy	AUD	ord	6,892	6,892
BlackRock Investment Management (Australia) Limited	26-Oct-22	yes	5.19	on mkt buy	AUD	ord	25,814	25,814
BlackRock Investment Management (Australia) Limited	26-Oct-22	yes	5.19	on mkt buy	AUD	ord	17,136	17,136
BLACKROCK FINANCIAL MANAGEMENT, INC.	26-Oct-22	yes	4.98	on mkt buy	AUD	ord	3,348	3,348

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			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	27-Oct-22	yes	5.11	on mkt buy	AUD	ord	815	815
BlackRock Investment Management (Australia) Limited	27-Oct-22	yes	5.12	on mkt buy	AUD	ord	11,727	11,727
BlackRock Advisors (UK) Limited	27-Oct-22	no	n/a	collateral transfer	AUD	ord	10,649,697	10,649,697
BlackRock Institutional Trust Company, National Association	28-Oct-22	yes	4.95	on mkt buy	AUD	ord	416	416
BlackRock Fund Advisors	28-Oct-22	no	n/a	in specie	AUD	ord	8,436	8,436
BlackRock Fund Advisors	28-Oct-22	no	n/a	in specie	AUD	ord	76,783	76,783
BlackRock Investment Management (Australia) Limited	28-Oct-22	yes	4.90	on mkt buy	AUD	ord	6,288	6,288
BlackRock Investment Management (Australia) Limited	28-Oct-22	yes	4.90	on mkt buy	AUD	ord	31,194	31,194
BlackRock Investment Management (Australia) Limited	28-Oct-22	yes	4.90	on mkt buy	AUD	ord	58,494	58,494
BlackRock Investment Management (Australia) Limited	28-Oct-22	yes	4.90	on mkt buy	AUD	ord	65,487	65,487
BlackRock Fund Advisors	28-Oct-22	yes	4.87	on mkt buy	AUD	ord	22,882	22,882
BlackRock Advisors (UK) Limited	28-Oct-22	no	n/a	collateral transfer	AUD	ord	254,976	254,976
BlackRock Fund Advisors	31-Oct-22	no	n/a	in specie	AUD	ord	10,896	10,896
BlackRock Advisors (UK) Limited	31-Oct-22	yes	5.09	on mkt buy	AUD	ord	3,711	3,711
BlackRock Fund Advisors	01-Nov-22	no	n/a	in specie	AUD	ord	5,452	5,452
BlackRock Investment Management (UK) Limited	01-Nov-22	yes	5.31	on mkt buy	AUD	ord	22,739	22,739
BlackRock Advisors (UK) Limited	01-Nov-22	no	n/a	collateral transfer	AUD	ord	2,697,920	2,697,920
BlackRock Investment Management (UK) Limited	01-Nov-22	no	n/a	collateral transfer	AUD	ord	3	3
BlackRock Investment Management (UK) Limited	02-Nov-22	yes	5.30	on mkt buy	AUD	ord	9,535	9,535
BlackRock Investment Management (Australia) Limited	02-Nov-22	yes	5.22	on mkt buy	AUD	ord	36,811	36,811
BlackRock Fund Advisors	02-Nov-22	no	n/a	in specie	AUD	ord	21,938	21,938
BlackRock Fund Advisors	02-Nov-22	no	n/a	in specie	AUD	ord	6,545	6,545
BlackRock Institutional Trust Company, National Association	02-Nov-22	yes	5.21	on mkt buy	AUD	ord	6,566	6,566
BlackRock Investment Management (UK) Limited	02-Nov-22	no	n/a	collateral transfer	AUD	ord	580,829	580,829
BlackRock Investment Management (Australia) Limited	03-Nov-22	yes	4.94	on mkt buy	AUD	ord	5,171	5,171
BlackRock Fund Advisors	03-Nov-22	no	n/a	in specie	AUD	ord	12,357	12,357
BlackRock Investment Management (Australia) Limited	03-Nov-22	yes	5.03	on mkt buy	AUD	ord	4,058	4,058
BlackRock Investment Management (Australia) Limited	03-Nov-22	yes	5.03	on mkt buy	AUD	ord	4,221	4,221
BlackRock Advisors (UK) Limited	03-Nov-22	no	n/a	collateral transfer	AUD	ord	589,018	589,018
BlackRock Fund Advisors	04-Nov-22	no	n/a	in specie	AUD	ord	32,910	32,910
BlackRock Fund Advisors	04-Nov-22	no	n/a	in specie	AUD	ord	27,510	27,510
BlackRock Investment Management (Australia) Limited	04-Nov-22	yes	5.17	on mkt buy	AUD	ord	66,171	66,171
BlackRock Investment Management (Australia) Limited	04-Nov-22	yes	5.17	on mkt buy	AUD	ord	8,596	8,596
BlackRock Investment Management (Australia) Limited	04-Nov-22	yes	5.17	on mkt buy	AUD	ord	32,559	32,559
BlackRock Investment Management (Australia) Limited	04-Nov-22	yes	5.17	on mkt buy	AUD	ord	36,605	36,605
BlackRock Advisors (UK) Limited	04-Nov-22	yes	5.15	on mkt buy	AUD	ord	3,389	3,389
BlackRock Advisors (UK) Limited	04-Nov-22	yes	5.15	on mkt buy	AUD	ord	3,389	3,389
BlackRock Investment Management (Australia) Limited	07-Nov-22	yes	5.20	on mkt buy	AUD	ord	1,513	1,513
BlackRock Institutional Trust Company, National Association	07-Nov-22	yes	5.20	on mkt buy	AUD	ord	21,595	21,595
BlackRock Investment Management (Australia) Limited	08-Nov-22	yes	5.42	on mkt buy	AUD	ord	1,421	1,421
BlackRock Investment Management (Australia) Limited	08-Nov-22	yes	5.43	on mkt buy	AUD	ord	96,681	96,681
BlackRock Fund Advisors	08-Nov-22	yes	5.43	on mkt buy	AUD	ord	34,439	34,439
BlackRock Investment Management (Australia) Limited	09-Nov-22	yes	5.50	on mkt buy	AUD	ord	27,917	27,917
BlackRock Investment Management (Australia) Limited	09-Nov-22	yes	5.50	on mkt buy	AUD	ord	7,907	7,907
BlackRock Investment Management (Australia) Limited	09-Nov-22	yes	5.50	on mkt buy	AUD	ord	134,475	134,475
BlackRock Fund Advisors	09-Nov-22	no	n/a	in specie	AUD	ord	6,475	6,475
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	5.50	on mkt buy	AUD	ord	50,245	50,245
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	5.50	on mkt buy	AUD	ord	9,837	9,837
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	5.50	on mkt buy	AUD	ord	9,869	9,869
BlackRock Advisors (UK) Limited	09-Nov-22	yes	5.50	on mkt buy	AUD	ord	44,057	44,057
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	5.50	on mkt buy	AUD	ord	18,934	18,934
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	5.50	on mkt buy	AUD	ord	4,301	4,301
BlackRock Investment Management (Australia) Limited	09-Nov-22	yes	5.50	on mkt buy	AUD	ord	8,602	8,602
BlackRock Japan Co., Ltd.	10-Nov-22	yes	5.32	on mkt buy	AUD	ord	397,708	397,708
BlackRock Investment Management (Australia) Limited	11-Nov-22	yes	5.41	on mkt buy	AUD	ord	26,688	26,688
BlackRock Investment Management (Australia) Limited	11-Nov-22	yes	5.41	on mkt buy	AUD	ord	116,637	116,637
BlackRock Institutional Trust Company, National Association	11-Nov-22	yes	5.37	on mkt buy	AUD	ord	20,606	20,606

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BlackRock Institutional Trust Company, National Association	11-Nov-22	yes	5.37	on mkt buy	AUD	ord	28,371	28,371
BlackRock Advisors (UK) Limited	11-Nov-22	no	n/a	collateral transfer	AUD	ord	2,108,615	2,108,615
BlackRock Institutional Trust Company, National Association	14-Nov-22	yes	5.38	on mkt buy	AUD	ord	8,219	8,219
BlackRock Institutional Trust Company, National Association	14-Nov-22	yes	5.38	on mkt buy	AUD	ord	695	695
BlackRock Institutional Trust Company, National Association	14-Nov-22	yes	5.38	on mkt buy	AUD	ord	613	613
BlackRock Japan Co., Ltd.	14-Nov-22	yes	5.41	on mkt buy	AUD	ord	362,324	362,324
BlackRock Institutional Trust Company, National Association	15-Nov-22	yes	4.83	on mkt buy	AUD	ord	77,809	77,809
BlackRock Advisors (UK) Limited	15-Nov-22	no	n/a	collateral transfer	AUD	ord	10,676,595	10,676,595
BlackRock Institutional Trust Company, National Association	16-Nov-22	yes	4.96	on mkt buy	AUD	ord	684	684
BlackRock Institutional Trust Company, National Association	16-Nov-22	yes	4.96	on mkt buy	AUD	ord	723	723
BlackRock Investment Management (Australia) Limited	17-Nov-22	yes	4.97	on mkt buy	AUD	ord	10,602	10,602
BlackRock Investment Management (UK) Limited	18-Nov-22	yes	4.76	on mkt buy	AUD	ord	11,835	11,835
BlackRock Fund Advisors	21-Nov-22	no	n/a	in specie	AUD	ord	13,850	13,850
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Nov-22	yes	4.79	on mkt buy	AUD	ord	19,930	19,930
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	4.77	on mkt buy	AUD	ord	101,605	101,605
BlackRock Institutional Trust Company, National Association	22-Nov-22	yes	4.91	on mkt buy	AUD	ord	20,257	20,257
BlackRock Investment Management (Australia) Limited	22-Nov-22	yes	4.92	on mkt buy	AUD	ord	15,909	15,909
BlackRock Institutional Trust Company, National Association	22-Nov-22	yes	4.93	on mkt buy	AUD	ord	5,818	5,818
BlackRock Institutional Trust Company, National Association	23-Nov-22	yes	4.96	on mkt buy	AUD	ord	1,647	1,647
BlackRock Investment Management (Australia) Limited	23-Nov-22	yes	4.96	on mkt buy	AUD	ord	59,247	59,247
BlackRock Investment Management, LLC	23-Nov-22	yes	4.92	on mkt buy	AUD	ord	3,892	3,892
BlackRock Advisors (UK) Limited	23-Nov-22	no	n/a	collateral transfer	AUD	ord	10,477,056	10,477,056
BlackRock Investment Management (UK) Limited	23-Nov-22	no	n/a	collateral transfer	AUD	ord	743,776	743,776
BlackRock Investment Management (Australia) Limited	24-Nov-22	yes	4.86	on mkt buy	AUD	ord	3,456	3,456
BlackRock Investment Management (UK) Limited	25-Nov-22	no	n/a	collateral transfer	AUD	ord	1,038,912	1,038,912
BlackRock Advisors (UK) Limited	28-Nov-22	no	n/a	collateral transfer	AUD	ord	10,728,233	10,728,233
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	4.49	on mkt buy	AUD	ord	77,515	77,515
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	4.50	on mkt buy	AUD	ord	29,944	29,944
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	4.49	on mkt buy	AUD	ord	20,904	20,904
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	4.49	on mkt buy	AUD	ord	8,116	8,116
BlackRock Japan Co., Ltd.	29-Nov-22	yes	4.49	on mkt buy	AUD	ord	307,942	307,942
BlackRock Investment Management (UK) Limited	29-Nov-22	no	n/a	collateral transfer	AUD	ord	3,214,624	3,214,624
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	4.59	on mkt buy	AUD	ord	1,934	1,934
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	4.59	on mkt buy	AUD	ord	125,846	125,846
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	141,254	141,254
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	32,864	32,864
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	7,003	7,003
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,935	6,935
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,496	8,496
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	64,473	64,473
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	15,333	15,333
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	537	537
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	9,550	9,550
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,985	4,985
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,214	3,214
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	16,990	16,990
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	98,514	98,514
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	13,576	13,576
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	570,993	570,993
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	88,411	88,411
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	141,038	141,038
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,406	8,406
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,250	1,250

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BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	19,843	19,843
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,944	5,944
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	177	177
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	487	487
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	115,982	115,982
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,324	8,324
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,106	8,106
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,503	1,503
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	126	126
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,699	6,699
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	277	277
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,491	2,491
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,180	2,180
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,620	1,620
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,168	1,168
BLACKROCK ADVISORS, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,144	2,144
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	46,451	46,451
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	47,723	47,723
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	7,172	7,172
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	921	921
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,879	4,879
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	14,401	14,401
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,684	1,684
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,173	2,173
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,123	2,123
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	19,227	19,227
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	76,610	76,610
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	343,353	343,353
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,108	3,108
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	151,126	151,126
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	57,688	57,688
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	10,946	10,946
BlackRock International Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	34,905	34,905
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,171	4,171
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	15,694	15,694
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	16,394	16,394
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	156,193	156,193
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	9,388	9,388
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,930	2,930
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,978	2,978
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	11,443	11,443
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	157,396	157,396
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,677	5,677
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	575,250	575,250
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	12,226	12,226
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,633	5,633
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	101,312	101,312
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	719	719
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	29,388	29,388
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	16,785	16,785
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	313,194	313,194
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	135,725	135,725
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	31,687	31,687
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,520	2,520
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,411	6,411
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	330	330
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	117,692	117,692
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,242	8,242
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,276	4,276
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,807	1,807
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	260,152	260,152
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,000	1,000
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	55,467	55,467
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,491	1,491
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,725	1,725
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	81,087	81,087
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	832	832
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	21,782	21,782
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	18,929	18,929
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	114,384	114,384
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,228	2,228
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	7,879	7,879
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,891	3,891
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	40,027	40,027
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	9,150	9,150
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,805	6,805
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	716	716
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	16,661	16,661

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			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	812	812
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	12,896	12,896
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,704	8,704
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	137,516	137,516
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	45,319	45,319
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	697	697
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	7,020	7,020
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,992	4,992
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	11,321	11,321
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,654	3,654
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	69,903	69,903
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	86,194	86,194
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,515	1,515
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	13,932	13,932
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	10,424	10,424
BLACKROCK ADVISORS, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	90,819	90,819
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,476	5,476
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,608	1,608
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	171,680	171,680
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	58,503	58,503
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	20,518	20,518
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	278,134	278,134
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	13,898	13,898
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	732	732
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	326,663	326,663
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,467	1,467
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	91,548	91,548
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	15,097	15,097
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	763	763
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,432	1,432
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,631	5,631
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	14,905	14,905
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	18,904	18,904
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,629	1,629
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,979	4,979
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	615	615
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,259	1,259
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	52,584	52,584
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,053	5,053
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,377	6,377
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,506	1,506
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	73,067	73,067
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,116,821	6,116,821
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,897	2,897
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	736	736
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	138,680	138,680
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,617	8,617
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	14,325	14,325
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,590	6,590
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,757	1,757
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,731	4,731
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	174,190	174,190
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	41,180	41,180
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,443	1,443
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,102	6,102
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	108,498	108,498
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	25,650	25,650
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	56,635	56,635
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	13,389	13,389
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	36,512	36,512
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,632	8,632
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,119,110	1,119,110
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	264,567	264,567
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	36,462	36,462

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BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	154,232	154,232
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,004,337	1,004,337
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	237,433	237,433
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	378,766	378,766
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,602,172	1,602,172
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	22,577	22,577
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	95,499	95,499
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,359	3,359
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	14,211	14,211
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	53,290	53,290
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	225,417	225,417
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	15,965	15,965
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	67,534	67,534
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,017	2,017
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	475	475
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,307	1,307
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,541	5,541
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,317,548	1,317,548
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	311,477	311,477
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	94,567	94,567
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	22,355	22,355
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	21,770	21,770
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	92,091	92,091
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,037	4,037
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	17,085	17,085
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	337	337
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,439	1,439
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	17,993	17,993
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	76,108	76,108
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	553	553
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,343	2,343
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,693	6,693
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	28,309	28,309
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	24,764	24,764
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,855	5,855
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,353	4,353
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	18,411	18,411
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,139	3,139
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	13,277	13,277
BLACKROCK ADVISORS, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,759	5,759
BLACKROCK ADVISORS, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	24,361	24,361
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	527,685	527,685
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	124,749	124,749
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	128,164	128,164
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	542,132	542,132
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	19,264	19,264
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	81,484	81,484
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,474	2,474
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	10,464	10,464
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	13,104	13,104
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	55,427	55,427
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	38,677	38,677
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	163,605	163,605
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,524	4,524
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	19,134	19,134
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,836	5,836
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	24,687	24,687
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,703	5,703
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	24,124	24,124
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	51,637	51,637
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	218,423	218,423
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	870,282	870,282
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	205,742	205,742
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	922,096	922,096
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,900,441	3,900,441
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,350	8,350
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	35,318	35,318
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,716,771	1,716,771

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			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	405,858	405,858
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	154,925	154,925
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	655,329	655,329
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	29,398	29,398
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	124,351	124,351
BlackRock International Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	396,520	396,520
BlackRock International Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	93,740	93,740
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	11,202	11,202
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	47,382	47,382
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	178,290	178,290
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	42,149	42,149
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	44,028	44,028
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	186,238	186,238
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	106,656	106,656
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	25,214	25,214
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	7,871	7,871
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	33,294	33,294
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	7,999	7,999
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	33,834	33,834
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	30,733	30,733
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	129,999	129,999
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	64,496	64,496
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	15,247	15,247
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	138,890	138,890
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	32,835	32,835
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	63,992	63,992
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	15,128	15,128
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,932	1,932
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,170	8,170
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	333,849	333,849
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	78,924	78,924
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	190,681	190,681
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	45,079	45,079
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	841,103	841,103
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,557,844	3,557,844
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	364,500	364,500
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,541,826	1,541,826
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	359,963	359,963
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	85,098	85,098
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,769	6,769
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	28,632	28,632
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	72,832	72,832
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	17,218	17,218
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,756	3,756
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	888	888
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,336,964	1,336,964
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	316,069	316,069
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	22,135	22,135
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	93,631	93,631
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	11,486	11,486
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	48,583	48,583
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,855	4,855
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	20,537	20,537
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	698,656	698,656
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,955,295	2,955,295
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,688	2,688
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	11,370	11,370
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	148,961	148,961
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	630,099	630,099
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,007	4,007
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	16,948	16,948
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,633	4,633
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	19,598	19,598
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	217,767	217,767
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	921,147	921,147
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,236	2,236
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	9,459	9,459
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	58,498	58,498
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	247,447	247,447
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	50,836	50,836
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	215,037	215,037
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,299,395	1,299,395
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	307,188	307,188
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	5,985	5,985
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	25,316	25,316
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	21,162	21,162
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	89,513	89,513
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	44,210	44,210
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	10,451	10,451
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	107,495	107,495
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	454,702	454,702
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	24,573	24,573
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	103,945	103,945
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	22,862	22,862
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	77,305	77,305

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	18,275	18,275
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,925	1,925
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,145	8,145
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	44,745	44,745
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	189,270	189,270
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	9,228	9,228
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,181	2,181
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	146,508	146,508
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	34,636	34,636
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	23,376	23,376
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	98,882	98,882
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,562,171	1,562,171
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	369,310	369,310
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	514,820	514,820
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	121,707	121,707
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,872	1,872
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	7,919	7,919
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	18,853	18,853
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	79,749	79,749
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	56,712	56,712
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	13,407	13,407
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	128,611	128,611
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	30,405	30,405
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	9,814	9,814
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	41,512	41,512
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	187,731	187,731
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	794,098	794,098
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	979,161	979,161
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	231,481	231,481
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,071	4,071
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	17,222	17,222
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	158,266	158,266
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	37,415	37,415
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	118,416	118,416
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	27,995	27,995
BLACKROCK ADVISORS, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,031,696	1,031,696
BLACKROCK ADVISORS, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	243,901	243,901
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	62,218	62,218
BlackRock Japan Co., Ltd.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	14,707	14,707
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,320	4,320
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	18,273	18,273
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	461,057	461,057
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,950,262	1,950,262
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	664,588	664,588
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	157,114	157,114
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	233,083	233,083
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	55,103	55,103
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	37,324	37,324
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	157,880	157,880
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,318	8,318
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,966	1,966
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	16,668	16,668
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,940	3,940
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	40,546	40,546
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	171,510	171,510

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt			Consideration			Class and number of securities affected	Person's votes affected
				Cash	Non-cash	CCY		
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	2,050	2,050
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,671	8,671
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,847	3,847
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	16,273	16,273
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	63,968	63,968
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	15,122	15,122
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	169,322	169,322
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	40,029	40,029
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	50,769	50,769
BlackRock Advisors (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	214,751	214,751
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,378	4,378
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	18,517	18,517
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	13,373	13,373
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	56,567	56,567
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	6,995	6,995
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,653	1,653
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,383	3,383
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	14,308	14,308
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	57,403	57,403
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	13,571	13,571
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	17,128	17,128
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	72,449	72,449
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,046	4,046
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	17,116	17,116
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	7,782	7,782
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	32,916	32,916
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,977	1,977
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	8,363	8,363
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	372,435	372,435
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,575,391	1,575,391
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	97,889	97,889
BlackRock Asset Management Canada Limited	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	23,142	23,142
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	18,393	18,393
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	23,190	23,190
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	209,968	209,968
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,749,453	3,749,453
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	33,950	33,950
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,650,312	1,650,312
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	629,961	629,961
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	119,537	119,537
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	45,548	45,548
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	32,005	32,005
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	133,514	133,514
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	61,514	61,514
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	73,534	73,534
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	320,924	320,924
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	183,298	183,298
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,420,118	3,420,118
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,482,141	1,482,141
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	346,029	346,029
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	70,013	70,013
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	3,610	3,610
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,285,209	1,285,209
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	90,006	90,006
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	46,703	46,703
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	16,554	16,554
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,874,766	1,874,766
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	638,862	638,862
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	237,095	237,095
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	54,377	54,377
BlackRock Investment Management, LLC	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	55,181	55,181
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	53,032	53,032
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	4,439,647	4,439,647
BlackRock Fund Advisors	30-Nov-22	yes	4.66	on mkt buy	AUD	ord	1,514,407	1,514,407
BlackRock Fund Advisors	30-Nov-22	no	n/a	in specie	AUD	ord	15,660	15,660

Annexure C

This is Annexure C of 1 pages referred to in form 603 Notice of initial substantial shareholder

05-Dec-22
 Jack Tuberosa, Date
 Authorised Signatory

7. Addresses

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

Name	Address
BlackRock Group	
BlackRock Inc.	55 East 52nd Street New York, NY 10055 USA
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue, London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
BlackRock Financial Management, Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock International Limited	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)
BlackRock Investment Management (Australia) Limited	Level 37 Chifley Tower, 2 Chifley Square, Sydney NSW 2000 Australia
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)

Securities Lending Agreements

Agreements entered into between BlackRock Advisors Limited and each of the following counterparties:

- (a) Bank of Nova Scotia, London Branch GMSLA, 25 August 2011
- (b) Barclays Bank plc GMSLA, 9 April 2104
- (c) Barclays Capital Securities Limited GMSLA, 2 December 2012
- (d) BNP Paribas Arbitrage GMSLA, 30 May 2013
- (e) BNP Paribas GMSLA, 8 May 2007
- (f) Citigroup Global Markets Limited GMSLA, 18 January 2007
- (g) Credit Suisse AG, Dublin Branch GMSLA, 28 September 2015
- (h) Credit Suisse International GMSLA, 10 March 2014
- (i) Credit Suisse Securities (Europe) Limited GMSLA, 26 August 2015
- (j) Deutsche Bank AG, London Branch GMSLA, 25 August 2017
- (k) Goldman Sachs International GMSLA, 2nd August 2022
- (l) HSBC Bank plc GMSLA GMSLA, 27 October 2016
- (m) ING Bank N.V. GMSLA, 12 November 2018
- (n) J.P. Morgan Securities plc GMSLA, 12 July 2011
- (o) Macquarie Bank Limited GMSLA, 18 August 2014
- (p) Merrill Lynch International GMSLA, 3 February 2020
- (q) Morgan Stanley & Co International plc GMSLA, 9 June 2021
- (r) Natixis SA GMSLA, 29 January 2018
- (s) Nomura International plc GMSLA, 2 November 2011
- (t) Royal Bank of Canada Europe Limited GMSLA, 3 February 2017
- (u) Royal Bank of Scotland plc (renamed to Natwest Markets Plc) GMSLA, 1 April 2011
- (v) Santander UK Plc GMSLA, 25 January 2019
- (w) Societe Generale GMSLA, 27 January 2012
- (x) UBS AG GMSLA, 28 April 2016
- (y) UBS Europe SE GMSLA, 1 February 2019
- (z) BAL/Banco Santander, S.A. GMSLA, 30 April 2019
- (aa) Canadian Imperial Bank of Commerce, London Branch GMSLA, 21 June 2019
- (bb) Zürcher Kantonalbank GMSLA, 30 October 2019
- (cc) The Hongkong and Shanghai Banking Corporation Limited GMSLA, 7 February 2020
- (dd) BNP Paribas Prime Brokerage International Limited GMSLA 19 October 20201

Agreements entered into by BlackRock Institutional Trust Corporation, N.A. and each of the following counterparties:

- a. Bank of Nova Scotia GMSLA, December 6, 2016
- b. Barclays Bank plc GMSLA, April 24, 2017
- c. Barclays Capital Securities Limited GMSLA, March 15, 2017
- d. BNP Paribas Arbitrage GMSLA, June 5, 2017
- e. Citigroup Global Markets Limited GMSLA, June 3, 2015
- f. Credit Suisse AG, Dublin Branch GMSLA, October 14, 2015
- g. Credit Suisse International GMSLA, April 4, 2020
- h. Credit Suisse Securities (Europe) Limited GMSLA, October 2, 2015
- i. Deutsche Bank AG, London Branch GMSLA, June 7, 2017
- j. Goldman Sachs International OSLA April 1, 2004
- k. HSBC Bank plc GMSLA, February 12, 2013
- l. J.P. Morgan Securities plc GMSLA, October 4, 2016
- m. J.P. Morgan Securities plc GMSLA (Pledge), July 1, 2020
- n. Macquarie Bank Limited GMSLA, October 3, 2016
- o. Merrill Lynch International GMSLA, February 19, 2014
- p. Morgan Stanley & Co International plc GMSLA, November 16, 2021
- q. Nomura International plc GMSLA 03 August 2018
- r. Societe Generale GMSLA, September 28, 2016
- s. UBS AG GMSLA, May 26, 2016
- t. UBS AG GMSLA (Pledge), June 2, 2020
- u. UBS Europe SE GMSLA, 1 February 2019
- v. The Hongkong and Shanghai Banking Corporation Limited GMSLA, 22 February 2019
- w. RBC Europe Limited GMSLA, 4 February 2019
- x. ING BANK N.V. GMSLA, 27 February, 2019
- y. BANCO SANTANDER, S.A. GMSLA, 11 September, 2019
- z. Credit Suisse A.G., Singapore Branch GMSLA, 25 October, 2019
- aa. Natixis S.A. GMSLA, November 21, 2019.

- bb. CREDIT SUISSE INTERNATIONAL GMSLA, 4 April 2020
- cc. BNP Paribas Prime Brokerage International Limited GMSLA 22 November 2021

These counterparties do not pledge Australian equities:

- (a) Merrill Lynch, Pierce, Fenner Smith Incorporated

These counterparties do not have any business with us anymore although may have done previously:

- (a) Morgan Stanley Securities Limited (No Business) OSLA 15 March 1999

Royal Bank of Scotland N.V. **GMSLA, 12 October 2011 – No Business, superseded by Royal Bank of Scotland PLC**