Form 603

Corporations Act 2001 Section 671B

Notice of initial substantial holder

To_ Company Name/Scheme	IGO LTD	
ACN/ARSN	092 786 304	
1 Datails of substantial holds	. (1)	

1. Details of substantial holder (1)

Name	BIACKROCK	Group	(BlackRock	lnc.	and	subsidiaries	named	ın	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	40,672,227	40,672,227	5.37		

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	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	Shawna	Reese			capacity	Authorised	Signator	У*

sign here

date 02 / 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.

- (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.

	02-Dec-22
Shawna Reese,	Date
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			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, reponsible entity or trustee.	BNYM-BANK OF NY BRUS		ord	68,235	68,235	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, reponsible entity or trustee.			ord	405,432	405,432	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, reponsible entity or trustee.			ord	411,807	411,807	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, reponsible entity or trustee.			ord	150,822	150,822	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, reponsible entity or trustee.			ord	2,696,495	2,696,495	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, reponsible entity or trustee.			ord	25,434	25,434	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, reponsible entity or trustee.			ord	8,667	8,667	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, reponsible entity or trustee.			ord	367,071	367,071	subsidiary of BlackRock Inc.	

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Nature of Relevant Interest Registered Holder of Securities		-		Class and number of Securities		Person's votes	Nature of Association	
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, reponsible entity or trustee.			ord	2,488	2,488	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, reponsible entity or trustee.			ord	344,469	344,469	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, reponsible entity or trustee.			ord	35,929	35,929	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, reponsible entity or trustee.			ord	195,790	195,790	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, reponsible entity or trustee.	,		ord	6,941	6,941	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, reponsible entity or trustee.			ord	1,274	1,274	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, reponsible entity or trustee.			ord	14,126	14,126	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, reponsible entity or trustee.			ord	47,807	47,807	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, reponsible entity or trustee.			ord	64,107	64,107	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, reponsible entity or trustee.			ord	13,532	13,532	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, reponsible entity or trustee.			ord	3,723	3,723	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, reponsible entity or trustee.			ord	178,439	178,439	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		nd number of curities	Person's votes	Nature of Association
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, reponsible entity or trustee.			ord	29,749	29,749	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, reponsible entity or trustee.			ord	11,749,722	11,749,722	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, reponsible entity or trustee.			ord	368,372	368,372	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, reponsible entity or trustee.			ord	8,869,186	8,869,186	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, reponsible entity or trustee.	NT-NORTHERN TRUST CO CHICAGO		ord	90,185	90,185	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, reponsible entity or trustee.			ord	23,030	23,030	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, reponsible entity or trustee.			ord	46,970	46,970	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, reponsible entity or trustee.			ord	1,683	1,683	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, reponsible entity or trustee.			ord	141,079	141,079	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, reponsible entity or trustee.			ord	110,249	110,249	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, reponsible entity or trustee.			ord	4,267	4,267	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, reponsible entity or trustee.			ord	47,298	47,298	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		nd number of curities	Person's votes	Nature of Association
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, reponsible entity or trustee.			ord	1,103,733	1,103,733	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, reponsible entity or trustee.			ord	3,458,515	3,458,515	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, reponsible entity or trustee.			ord	1,820,653	1,820,653	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, reponsible entity or trustee.			ord	657,901	657,901	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, reponsible entity or trustee.			ord	24,652	24,652	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.			ord	2,906	2,906	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.			ord	1,128,076	1,128,076	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.			ord	338,173	338,173	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.			ord	853	853	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.			ord	66,673	66,673	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.			ord	536,405	536,405	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.			ord	8,783	8,783	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		nd number of curities	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.			ord	754,881	754,881	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.	NEW YORK		ord	87,495	87,495	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.			ord	104,666	104,666	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.			ord	2,060,913	2,060,913	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.			ord	40,355	40,355	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.			ord	105,602	105,602	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.			ord	51,850	51,850	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.			ord	369,090	369,090	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.			ord	63,594	63,594	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.			ord	194,471	194,471	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.			ord	314,309	314,309	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.			ord	21,936	21,936	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 Secu		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, reponsible entity or trustee.			ord	69,613	69,613	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.			ord	755,673	755,673	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.			ord	6,078	6,078	subsidiary of BlackRock Inc.

This is Annexure B of 14 pages referred to in form 603 Notice of initial substantial shareholder

	02-Dec-22
Shawna Reese,	Date
Authorised Signatory	

5. Consideration

		IGO LTI	D (IGO)					
	Date of Acquisi	Date of Acquisition / Trans					I number of	Person's
Holder of Relevant Interest	on a prescribe		Cash	Non-cash	CCY		es affected	votes affected
BlackRock Investment Management (UK) Limited	02-Aug-22	no	n/a	in specie	AUD	ord	50,627	50,627
BlackRock Investment Management (Australia) Limited	02-Aug-22	yes	10.81	on mkt buy	AUD	ord	6,870	6,870
BlackRock Institutional Trust Company, National Association	02-Aug-22	yes	10.81	on mkt buy	AUD	ord	4,056	4,056
BlackRock Investment Management (UK) Limited	02-Aug-22	no	n/a	collateral transfer	AUD	ord	86,685	86,685
BlackRock Investment Management (Australia) Limited	03-Aug-22	yes	11.06	on mkt buy	AUD	ord	15,867	15,867
BlackRock Advisors (UK) Limited	03-Aug-22	no	n/a	collateral transfer	AUD	ord	71,367	71,367
BlackRock Fund Advisors	04-Aug-22	no	n/a	in specie	AUD	ord	1,788	1,788
BlackRock Fund Advisors	04-Aug-22	no	n/a	in specie	AUD	ord	3,600	3,600
BlackRock Investment Management (Australia) Limited	04-Aug-22	yes	11.13	on mkt buy	AUD	ord	16,184	16,184
BlackRock Investment Management (UK) Limited	04-Aug-22	no	n/a	collateral transfer	AUD	ord	59,116	59,116
BlackRock Investment Management (Australia) Limited	05-Aug-22	yes	11.59	on mkt buy	AUD	ord	2,061	2,061
BlackRock Advisors (UK) Limited	08-Aug-22	no	n/a	collateral transfer	AUD	ord	58,195	58,195
BlackRock Investment Management (Australia) Limited	09-Aug-22	yes	11.93	on mkt buy	AUD	ord	6,870	6,870
BlackRock Investment Management (Australia) Limited	09-Aug-22	yes	11.93	on mkt buy	AUD	ord	4,122	4,122
BlackRock Fund Advisors	10-Aug-22	no	n/a	in specie	AUD	ord	19,668	19,668
BlackRock Investment Management (Australia) Limited	10-Aug-22	yes	11.87	on mkt buy	AUD	ord	5,532	5,532
BlackRock Institutional Trust Company, National Association	10-Aug-22	yes	11.80	on mkt buy	AUD	ord	46,891	46,891
BlackRock Institutional Trust Company, National Association	10-Aug-22	yes	11.80	on mkt buy	AUD	ord	7,070	7,070
BlackRock Investment Management (UK) Limited	10-Aug-22	no	n/a	collateral transfer	AUD	ord	736	736
BlackRock Investment Management (Australia) Limited	11-Aug-22	yes	11.99	on mkt buy	AUD	ord	2,893	2,893
BlackRock Investment Management (Australia) Limited	11-Aug-22	yes	11.99	on mkt buy	AUD	ord	2,819	2,819
BlackRock Investment Management (Australia) Limited BlackRock Investment Management (Australia)	12-Aug-22 15-Aug-22	no	n/a 12.23	in specie on mkt buy	AUD	ord	3,468	3,468
Limited BlackRock Investment Management (Australia)	16-Aug-22	yes	12.23	on mkt buy	AUD	ord	4,178	4,178
Limited BlackRock Advisors (UK) Limited	16-Aug-22	yes	n/a	collateral	AUD	ord	101,701	101,701
BlackRock Investment Management (UK) Limited	16-Aug-22		n/a	transfer in specie	AUD	ord	7,938	7,938
	Ū.	no		•				
BlackRock Advisors (UK) Limited	17-Aug-22	yes	12.19	on mkt buy	AUD	ord	1,792	1,792
BlackRock Advisors (UK) Limited	17-Aug-22	no	n/a	collateral transfer	AUD	ord	32,898	32,898
BlackRock Fund Advisors	18-Aug-22	yes	12.07	on mkt buy	AUD	ord	11,561	11,561
BlackRock Investment Management (Australia) Limited	22-Aug-22	yes	12.12		AUD	ord	5,496	5,496
BlackRock Fund Advisors	23-Aug-22	no	n/a	in specie	AUD	ord	18,990	18,990
BlackRock Investment Management (Australia) Limited	23-Aug-22	yes	12.18	on mkt buy	AUD	ord	1,186	1,186
BlackRock Advisors (UK) Limited	23-Aug-22	no	n/a	collateral transfer	AUD	ord	356,389	356,389
BlackRock Fund Advisors	24-Aug-22	no	n/a	in specie	AUD	ord	15,192	15,192

			Consi	deration				Person's
Holder of Relevant Interest	Date of Acquisi on a prescribe		Cash	Non-cash	CCY		d number of es affected	votes affected
BlackRock Investment Management (Australia) Limited	25-Aug-22	yes	12.86	on mkt buy	AUD	ord	2,736	2,736
BlackRock Advisors (UK) Limited	25-Aug-22	no	n/a	collateral transfer	AUD	ord	356,135	356,135
BlackRock Investment Management (UK) Limited	26-Aug-22	yes	12.92	on mkt buy	AUD	ord	15,549	15,549
BlackRock Investment Management (Australia) Limited	29-Aug-22	yes	12.67	on mkt buy	AUD	ord	1,156	1,156
BlackRock Investment Management (Australia) Limited	29-Aug-22	yes	12.67	on mkt buy	AUD	ord	4,809	4,809
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	13.44	on mkt buy	AUD	ord	5,155	5,155
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	13.44	on mkt buy	AUD	ord	4,394	4,394
BlackRock Fund Advisors	31-Aug-22	yes	13.44	on mkt buy	AUD	ord	585	585
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	13.44	on mkt buy	AUD	ord	1,602	1,602
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	13.44	on mkt buy	AUD	ord	929	929
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	13.44	on mkt buy	AUD	ord	16,358	16,358
BlackRock Fund Advisors	31-Aug-22	yes	13.44	on mkt buy	AUD	ord	2,179	2,179
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	13.44	on mkt buy	AUD	ord	5,966	5,966
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	13.44	on mkt buy	AUD	ord	3,459	3,459
BlackRock Investment Management (Australia) Limited	01-Sep-22	yes	13.10	on mkt buy	AUD	ord	1,079	1,079
BlackRock Investment Management, LLC BlackRock Advisors (UK) Limited	01-Sep-22 02-Sep-22	yes	13.01 n/a	on mkt buy collateral	AUD AUD	ord ord	3,250 114,232	3,250 114,232
Blackhock Advisors (DK) Limited	02-3ep-22	no	II/a	transfer	AUD	oru	114,232	114,232
BlackRock Fund Advisors	06-Sep-22	yes	13.03	on mkt buy	AUD	ord	1,244	1,244
BlackRock Investment Management (Australia) Limited	06-Sep-22	yes	12.98	on mkt buy	AUD	ord	401	401
BlackRock Investment Management (Australia) Limited	06-Sep-22	yes	12.96	on mkt buy	AUD	ord	6,870	6,870
BlackRock Investment Management (Australia) Limited	06-Sep-22	yes	12.96	on mkt buy	AUD	ord	1,374	1,374
BLACKROCK FINANCIAL MANAGEMENT, INC.	09-Sep-22	yes	14.05	on mkt buy	AUD	ord	386	386
BlackRock Investment Management (Australia) Limited	09-Sep-22	yes	14.31		AUD	ord	2,061	2,061
BlackRock Investment Management (Australia) Limited	09-Sep-22	yes	14.31		AUD	ord	1,156	1,156
BlackRock Advisors (UK) Limited	12-Sep-22	no	n/a	collateral transfer	AUD	ord	1,577,472	1,577,472
BlackRock Fund Advisors	13-Sep-22	no	n/a	in specie	AUD	ord	16,536	16,536
BlackRock Investment Management (Australia) Limited	13-Sep-22	yes	14.95	on mkt buy	AUD	ord	1,409	1,409
BlackRock Investment Management (Australia) Limited	14-Sep-22	yes	14.56	on mkt buy	AUD	ord	2,061	2,061
BlackRock Investment Management (Australia) Limited BlackRock Investment Management (Australia)	15-Sep-22	yes		on mkt buy on mkt buy	AUD	ord	344	344
Limited BlackRock Investment Management (Australia)	16-Sep-22	yes		on mkt buy	AUD	ord	1,156	1,156
Limited BlackRock Investment Management (UK) Limited	16-Sep-22	yes		on mkt buy	AUD	ord	2,312	2,312
BlackRock Investment Management (Australia)	16-Sep-22	yes	14.02		AUD	ord	7,215	7,215
Limited BLACKROCK FINANCIAL MANAGEMENT, INC.	16-Sep-22	yes		on mkt buy	AUD	ord	8,829	8,829
BlackRock Investment Management (Australia)	19-Sep-22	yes	14.27		AUD	ord	2,052	2,052
Limited BlackRock Investment Management (Australia)	20-Sep-22	yes		on mkt buy	AUD	ord	558	558
Limited BlackRock Advisors (UK) Limited	20-Sep-22	no	n/a	collateral	AUD	ord	314,446	314,446
	•			transfer				
BlackRock Investment Management (Australia) Limited	21-Sep-22	yes	14.68	on mkt buy	AUD	ord	3,780	3,780
BlackRock Investment Management (UK) Limited	21-Sep-22	no	n/a	collateral transfer	AUD	ord	457,962	457,962
BlackRock Advisors (UK) Limited	22-Sep-22	no	n/a	collateral transfer	AUD	ord	263,912	263,912

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BlackRock Investment Management (Australia) Limited	23-Sep-22	yes	14.67	on mkt buy	AUD	ord	16,617	16,61
BlackRock Investment Management (UK) Limited	23-Sep-22	yes	14.70	on mkt buy	AUD	ord	1,779	1,779
BlackRock Fund Advisors	26-Sep-22	yes	13.96	on mkt buy	AUD	ord	2,551	2,551
BlackRock Fund Advisors	26-Sep-22	yes	13.96	on mkt buy	AUD	ord	6,790	6,790
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	13.59	on mkt buy	AUD	ord	1,156	1,156
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	13.59	on mkt buy	AUD	ord	2,736	2,736
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	13.59	on mkt buy	AUD	ord	1,156	1,156
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	13.59	on mkt buy	AUD	ord	10,430	10,430
BlackRock Institutional Trust Company, National Association	26-Sep-22	yes	13.59	on mkt buy	AUD	ord	5,315	5,315
BlackRock Institutional Trust Company, National Association	26-Sep-22	yes	13.59	on mkt buy	AUD	ord	1,989	1,989
BlackRock Advisors (UK) Limited	26-Sep-22	no	n/a	collateral transfer	AUD	ord	447,015	447,015
BlackRock Fund Advisors	27-Sep-22	yes	13.83	on mkt buy	AUD	ord	11,441	11,441
BlackRock Investment Management (Australia) Limited	28-Sep-22	yes	13.64	on mkt buy	AUD	ord	4,788	4,788
BlackRock Advisors (UK) Limited	29-Sep-22	no	n/a	collateral transfer	AUD	ord	5	5
BlackRock Fund Advisors	30-Sep-22	no	n/a	in specie	AUD	ord	4,000	4,000
BlackRock Investment Management (Australia) Limited	30-Sep-22	yes	13.70	on mkt buy	AUD	ord	2,736	2,736
BlackRock Institutional Trust Company, National Association	30-Sep-22	yes	13.70	on mkt buy	AUD	ord	5,769	5,769
BlackRock Investment Management (Australia) Limited	30-Sep-22	yes	13.70	on mkt buy	AUD	ord	3,825	3,825
BlackRock Advisors (UK) Limited	30-Sep-22	no	n/a	collateral transfer	AUD	ord	685,057	685,057
BlackRock Investment Management (UK) Limited	03-Oct-22	yes	13.82	on mkt buy	AUD	ord	6,874	6,874
BlackRock Advisors (UK) Limited	03-Oct-22	yes	13.82	on mkt buy	AUD	ord	7,042	7,042
BlackRock Investment Management (Australia) Limited	03-Oct-22	yes	13.82	on mkt buy	AUD	ord	7,833	7,833
BlackRock Investment Management (Australia) Limited	04-Oct-22	yes	14.52	on mkt buy	AUD	ord	1,113	1,113
BlackRock Investment Management (Australia) Limited	04-Oct-22	yes	14.66	on mkt buy	AUD	ord	4,788	4,788
BlackRock Investment Management (Australia) Limited	04-Oct-22	yes	14.66	on mkt buy	AUD	ord	2,260	2,260
BlackRock Investment Management (Australia) Limited	05-Oct-22	yes	14.88	on mkt buy	AUD	ord	48,873	48,873
BlackRock Investment Management (UK) Limited	05-Oct-22	yes	14.77	on mkt buy	AUD	ord	2,337	2,337
BlackRock Advisors (UK) Limited	05-Oct-22	no	n/a	collateral transfer	AUD	ord	11	11
BlackRock Investment Management (Australia) Limited	06-Oct-22	yes	15.33	on mkt buy	AUD	ord	34,503	34,503
BlackRock Investment Management (UK) Limited	06-Oct-22	yes	15.35	on mkt buy	AUD	ord	4,053	4,053
BlackRock Investment Management (Australia) Limited	06-Oct-22	yes	15.18	on mkt buy	AUD	ord	1,201	1,201
BlackRock Advisors (UK) Limited	06-Oct-22	no	n/a	collateral transfer	AUD	ord	3	3
BlackRock Fund Advisors BlackRock Fund Advisors	07-Oct-22 07-Oct-22	no no	n/a n/a	in specie in specie	AUD AUD	ord ord	6,214 9,321	6,214 9,321
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	15.46	on mkt buy	AUD	ord	16,068	16,068
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	15.41	on mkt buy	AUD	ord	540	540
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	15.41	on mkt buy	AUD	ord	8,490	8,490
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	15.41	on mkt buy	AUD	ord	17,465	17,465
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	15.43	on mkt buy	AUD	ord	3,733	3,733
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	15.43	on mkt buy	AUD	ord	11,205	11,205
BlackRock Investment Management (Australia)	07-Oct-22	yes	15.43	on mkt buy	AUD	ord	10,955	10,955

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BlackRock Advisors (UK) Limited	07-Oct-22	no	n/a	in specie	AUD	ord	39,759	39,759
BlackRock Investment Management, LLC	10-Oct-22	yes	15.34	on mkt buy	AUD	ord	3,676	3,676
BlackRock Fund Advisors	11-Oct-22	no	n/a	in specie	AUD	ord	9,321	9,321
BlackRock Institutional Trust Company, National Association	11-Oct-22	yes	15.57	on mkt buy	AUD	ord	1,758	1,758
BlackRock Fund Advisors	11-Oct-22	no	n/a	in specie	AUD	ord	3,232	3,232
BlackRock Advisors (UK) Limited	11-Oct-22	no	n/a	collateral transfer	AUD	ord	441,921	441,921
BlackRock Fund Advisors	13-Oct-22	no	n/a	in specie	AUD	ord	6,208	6,208
BlackRock Institutional Trust Company, National Association	13-Oct-22	yes	15.38	on mkt buy	AUD	ord	1,614	1,614
BlackRock Investment Management (Australia) Limited	13-Oct-22	yes	15.38	on mkt buy	AUD	ord	638	638
BlackRock Institutional Trust Company, National Association	14-Oct-22	yes	15.32	on mkt buy	AUD	ord	6,073	6,073
BlackRock Fund Advisors	17-Oct-22	no	n/a	in specie	AUD	ord	5,050	5,050
BlackRock Investment Management (Australia) Limited	19-Oct-22	yes	16.00	on mkt buy	AUD	ord	5,077	5,077
BlackRock Fund Advisors	19-Oct-22	yes	16.16	on mkt buy	AUD	ord	37,116	37,116
BlackRock Advisors (UK) Limited	19-Oct-22	no	n/a	collateral transfer	AUD	ord	1,635,888	1,635,888
BlackRock Investment Management (UK) Limited	20-Oct-22	yes	15.57	on mkt buy	AUD	ord	1,836	1,836
BlackRock Investment Management (UK) Limited	20-Oct-22	yes	15.57	on mkt buy	AUD	ord	3,189	3,189
BlackRock Investment Management (UK) Limited	20-Oct-22	no	n/a	collateral transfer	AUD	ord	233,805	233,805
BlackRock Advisors (UK) Limited	21-Oct-22	yes	15.82	on mkt buy	AUD	ord	628	628
BlackRock Advisors (UK) Limited	21-Oct-22	no	n/a	collateral transfer	AUD	ord	1,540,911	1,540,911
BlackRock Investment Management (Australia) Limited	24-Oct-22	yes	16.31	on mkt buy	AUD	ord	600	600
BlackRock Investment Management (Australia) Limited	24-Oct-22	yes	16.09	on mkt buy	AUD	ord	6,820	6,820
BlackRock Fund Advisors	25-Oct-22	no	n/a	in specie	AUD	ord	1,616	1,616
BlackRock Advisors (UK) Limited	25-Oct-22	no	n/a	collateral transfer	AUD	ord	269,671	269,671
BlackRock Investment Management (Australia) Limited	26-Oct-22	yes	16.42	on mkt buy	AUD	ord	2,878	2,878
BlackRock Investment Management (Australia) Limited	26-Oct-22	yes	16.42	on mkt buy	AUD	ord	10,890	10,890
BlackRock Investment Management (Australia) Limited	26-Oct-22	yes	16.42	on mkt buy	AUD	ord	13,009	13,009
BlackRock Investment Management (Australia) Limited	26-Oct-22	yes	16.42	on mkt buy	AUD	ord	3,283	3,283
BlackRock Investment Management (Australia) Limited	27-Oct-22	yes	16.36	on mkt buy	AUD	ord	6,050	6,050
BlackRock Advisors (UK) Limited	27-Oct-22	no	n/a	collateral transfer	AUD	ord	1,071,553	1,071,553
BlackRock Fund Advisors	28-Oct-22	no	n/a	in specie	AUD	ord	22,008	22,008
BlackRock Investment Management (Australia) Limited	28-Oct-22	yes	15.65	on mkt buy	AUD	ord	2,044	2,044
BlackRock Investment Management (Australia) Limited	28-Oct-22	yes	15.65	on mkt buy	AUD	ord	10,334	10,334
BlackRock Investment Management (Australia) Limited	28-Oct-22	yes	15.65	on mkt buy	AUD	ord	10,207	10,207
BlackRock Fund Advisors	28-Oct-22	yes	15.53	on mkt buy	AUD	ord	6,057	6,057
BlackRock Fund Advisors	31-Oct-22	no	n/a	in specie	AUD	ord	808	808
BlackRock Investment Management (Australia) Limited	31-Oct-22	yes	15.47	on mkt buy	AUD	ord	42,085	42,085
BlackRock Advisors (UK) Limited	31-Oct-22	yes	15.29	on mkt buy	AUD	ord	637	637
BlackRock Advisors (UK) Limited	31-Oct-22	yes	15.29	on mkt buy	AUD	ord	9,551	9,551
BlackRock Advisors (UK) Limited	31-Oct-22	no	n/a	collateral transfer	AUD	ord	2,090	2,090
BlackRock Advisors (UK) Limited	01-Nov-22	no	n/a	collateral transfer	AUD	ord	58,632	58,632
BlackRock Fund Advisors	02-Nov-22	no	n/a	in specie	AUD	ord	6,292	6,292
BlackRock Investment Management (Australia) Limited	03-Nov-22	yes	14.66	on mkt buy	AUD	ord	1,658	1,658
BlackRock Investment Management (Australia) Limited	03-Nov-22	yes	14.66	on mkt buy	AUD	ord	1,163	1,163
BlackRock Investment Management (Australia) Limited	03-Nov-22	yes	14.67	on mkt buy	AUD	ord	1,147	1,147

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BlackRock Fund Advisors	04-Nov-22	no	n/a	in specie	AUD	ord	9,438	9,438
BlackRock Advisors (UK) Limited	04-Nov-22	yes	14.96	on mkt buy	AUD	ord	904	904
BlackRock Advisors (UK) Limited	04-Nov-22	yes	14.96	on mkt buy	AUD	ord	904	904
BlackRock Fund Advisors	07-Nov-22	no	n/a	in specie	AUD	ord	3,636	3,636
BlackRock Institutional Trust Company, National Association	07-Nov-22	yes	15.29	on mkt buy	AUD	ord	6,192	6,192
BlackRock Investment Management (Australia) Limited	08-Nov-22	yes	15.77	on mkt buy	AUD	ord	14,249	14,249
BlackRock Investment Management (Australia)	08-Nov-22	yes	15.77	on mkt buy	AUD	ord	57,371	57,371
BlackRock Investment Management (Australia)	08-Nov-22	yes	15.77	on mkt buy	AUD	ord	114,861	114,861
BlackRock Investment Management (Australia) Limited	08-Nov-22	yes	15.77	on mkt buy	AUD	ord	102,608	102,608
BlackRock Investment Management (Australia) Limited	08-Nov-22	yes	15.67	on mkt buy	AUD	ord	25,234	25,234
BlackRock Fund Advisors	08-Nov-22	yes	15.67	on mkt buy	AUD	ord	10,387	10,387
BlackRock Fund Advisors	09-Nov-22	no	n/a	in specie	AUD	ord	11,716	11,716
BlackRock Advisors (UK) Limited	09-Nov-22	yes	16.12		AUD	ord	11,752	11,752
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	16.12		AUD	ord	1,463	1,463
BlackRock Investment Management (Australia) Limited	09-Nov-22	yes	16.12	on mkt buy	AUD	ord	2,239	2,239
BlackRock Japan Co., Ltd.	10-Nov-22	yes	16.25	on mkt buy	AUD	ord	116,278	116,278
BlackRock Investment Management (UK) Limited	10-Nov-22	no	n/a	collateral transfer	AUD	ord	884	884
BlackRock Advisors (UK) Limited	11-Nov-22	no	n/a	collateral transfer	AUD	ord	1,737,159	1,737,159
BlackRock Japan Co., Ltd.	14-Nov-22	yes	16.92	on mkt buy	AUD	ord	95,918	95,918
BlackRock Investment Management (Australia)	16-Nov-22	yes	15.99	on mkt buy	AUD	ord	4,625	4,625
BlackRock Investment Management (Australia)	16-Nov-22	yes	15.99	on mkt buy	AUD	ord	23,175	23,175
BlackRock Investment Management (Australia)	17-Nov-22	yes	15.89	on mkt buy	AUD	ord	646	646
BlackRock Advisors (UK) Limited	17-Nov-22	no	n/a	collateral transfer	AUD	ord	1,547,127	1,547,127
BlackRock Investment Management (Australia) Limited	18-Nov-22	yes	15.50	on mkt buy	AUD	ord	3,425	3,425
BlackRock Investment Management (Australia) Limited	18-Nov-22	yes	15.50	on mkt buy	AUD	ord	14,654	14,654
BlackRock Investment Management (Australia) Limited	18-Nov-22	yes	15.50	on mkt buy	AUD	ord	8,505	8,505
BlackRock Fund Advisors	18-Nov-22	no	n/a	in specie	AUD	ord	3,654	3,654
BlackRock Investment Management (UK) Limited	18-Nov-22	yes	15.51	on mkt buy	AUD	ord	7,777	7,777
BlackRock Investment Management (UK) Limited	18-Nov-22	yes	15.51	on mkt buy	AUD	ord	9,224	9,224
BlackRock Fund Advisors	21-Nov-22	no	n/a	in specie	AUD	ord	3,654	3,654
BlackRock Investment Management (UK) Limited	21-Nov-22	no	n/a	collateral transfer	AUD	ord	210	210
BlackRock Investment Management (Australia) Limited	22-Nov-22	yes	15.96	on mkt buy	AUD	ord	1,944	1,944
BlackRock Institutional Trust Company, National Association	22-Nov-22	yes	16.06	on mkt buy	AUD	ord	1,506	1,506
BlackRock Investment Management, LLC	23-Nov-22	yes	15.95	on mkt buy	AUD	ord	1,013	1,013
BlackRock Fund Advisors	23-Nov-22	no	n/a	in specie	AUD	ord	2,436	2,436
BlackRock Advisors (UK) Limited	23-Nov-22	no	n/a	collateral transfer	AUD	ord	1,782,224	1,782,224
BlackRock Advisors (UK) Limited	28-Nov-22	no	n/a	collateral transfer	AUD	ord	18,410	18,410
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	14.59	on mkt buy	AUD	ord	1,714	1,714
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	14.71	on mkt buy	AUD	ord	5,456	5,456
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	14.71	on mkt buy	AUD	ord	2,326	2,326
BlackRock Japan Co., Ltd.	29-Nov-22	yes	14.71	on mkt buy	AUD	ord	81,522	81,522
BlackRock Advisors (UK) Limited	29-Nov-22	no	n/a	collateral transfer	AUD	ord	1,767,406	1,767,406
BlackRock Investment Management (UK) Limited	29-Nov-22	no	n/a	collateral transfer	AUD	ord	9,412	9,412
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,924	3,924

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BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	233	233
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	4,336	4,336
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,908	1,908
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,230	1,230
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	37,706	37,706
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,857	2,857
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,197	5,197
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	153,396	153,396
Association	001101 22	,		0		0.4		
BlackRock Investment Management (Australia)	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,019	5,019
Limited BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	33,908	33,908
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	78,539	78,539
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,218	3,218
				,				
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	478	478
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	7,595	7,595
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,275	2,275
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	67	67
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	185	185
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	43,745	43,745
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,185	3,185
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,102	3,102
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	575	575
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	47	47
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	84	84
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	954	954
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	834	834
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	620	620
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	447	447
BlackRock Advisors, LLC	30-Nov-22	yes		on mkt buy	AUD	ord	821	821
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	17,779	17,779
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	18,266	18,266
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	2,745	2,745
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	352	352
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15 40	on mkt buy	AUD	ord	1,868	1,868
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	5,512	5,512
BlackRock Institutional Trust Company, National	30-Nov-22	yes		on mkt buy	AUD	ord	605	605
Association	30-Nov-22	-	15 40	on mit huw		ord	000	022
BlackRock Investment Management (UK) Limited		yes		on mkt buy	AUD	ord	832	832
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	762	762
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	6,905	6,905
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	29,322	29,322
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	123,304	123,304
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,103	1,103
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	54,272	54,272
Association BlackRock Institutional Trust Company, National	30-Nov-22	-	15.40	,	AUD		20,717	20,717
Association		yes		on mkt buy		ord		
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,931	3,931
BlackRock International Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	13,360	13,360
BlackRock Investment Management, LLC	30-Nov-22	yes		on mkt buy	AUD	ord	1,498	1,498
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	6,007	6,007
								0.075
BlackRock Investment Management, LLC BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	6,275	6,275

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BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,402	3,402
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,052	1,052
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,140	1,140
	00 NL 00		15 10				1 0 0 0	
BlackRock Investment Management, LLC BlackRock Investment Management, LLC	30-Nov-22 30-Nov-22	yes	15.40	on mkt buy	AUD AUD	ord ord	4,380 31,795	4,380
BlackRock Investment Management, LLC BlackRock Investment Management (UK) Limited	30-Nov-22	yes yes	15.40	on mkt buy on mkt buy	AUD	ord	2,173	2,173
	00 1107 22	yes	10.40	on mill buy	NOD	ord	2,170	2,170
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	4,391	4,391
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,023	2,023
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	25,536	25,536
Association BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	275	275
Black took investment management (ort) Elinited	00 1107 22	yes	10.40	on mill buy	NOD	ord	210	210
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	9,282	9,282
BlackRock Fund Advisors	30-Nov-22	yes	15.40	,	AUD	ord	5,649	5,649
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	112,474	112,474
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	48,742	48,742
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,730	2,730
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	118	118
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	42,265	42,265
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	242	242
BlackRock Fund Advisors	30-Nov-22	yes	15.40 15.40	on mkt buy	AUD AUD	ord	1,271 692	1,271 692
BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited	30-Nov-22 30-Nov-22	yes	15.40	on mkt buy	AUD	ord ord	99,572	99,572
BlackRock Advisors (UK) Limited	30-Nov-22	yes yes	15.40	on mkt buy on mkt buy	AUD	ord	21,230	21,230
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	571	571
-		•					-	
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	355	355
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	837	837
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	31,036	31,036
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	318	318
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	8,337	8,337
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	6,508	6,508
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	,	AUD	ord	2,068	2,068
BlackRock Advisors (UK) Limited	30-Nov-22 30-Nov-22	yes	15.40	,	AUD	ord	56,097	56,097
BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited	30-Nov-22	yes yes	15.40	on mkt buy on mkt buy	AUD AUD	ord ord	853 3,016	853 3,016
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	1,489	1,489
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	10,957	10,957
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	4,001	4,001
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	2,605	2,605
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	1,180	1,180
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,113	5,113
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	6,182	6,182
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,332	3,332
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	67,877	67,877
BlackRock Fund Advisors	30-Nov-22	yes		on mkt buy	AUD	ord	12,423	12,423
BlackRock Fund Advisors	30-Nov-22	yes		on mkt buy	AUD	ord	307	307
BlackRock Investment Management, LLC BlackRock Investment Management (UK) Limited	30-Nov-22 30-Nov-22	yes yes		on mkt buy on mkt buy	AUD AUD	ord ord	2,684 3,821	2,684 3,821
BlackRock Advisors (UK) Limited	30-Nov-22	-		on mkt buy	AUD	ord	4,333	4,333
BlackRock Advisors (UK) Limited	30-Nov-22	yes yes		on mkt buy	AUD	ord	4,333	4,333
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	26,645	26,645
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	31,420	31,420
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,332	5,332
Association BlackRock Fund Advisors	30-Nov-22	Vee	15 /0	on mkt buy	AUD	ord	2,817	2,817
BlackRock Advisors, LLC	30-Nov-22	yes yes		on mkt buy	AUD	ord	34,761	34,761
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40		AUD	ord	2,075	2,075
BlackRock Investment Management (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	615	615
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	61,653	61,653
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	21,010	21,010
Association								

	Date of Acquisition / Trans -		Consi	deration		Class and	d number of	Person's	
Holder of Relevant Interest	on a prescribe		Cash	Non-cash	CCY		es affected	votes affected	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,215	5,215	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	74,717	74,717	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,909	5,909	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	280	280	
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	82,337	82,337	
Association BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	640	640	
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	6,189	6,189	
Association BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,779	5,779	
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	292	292	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	548	548	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,520	5,520	
BlackRock Advisors (UK) Limited	30-Nov-22	1/00	15 40	on mit huv	AUD	ord	6 462	6,462	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes yes	15.40 15.40	,	AUD	ord ord	6,462 655	655	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	688	688	
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,788	1,788	
Association BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	235	235	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	482	482	
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	14,126	14,126	
BlackRock Investment Management, LLC	30-Nov-22	Voc	15.40	on mkt buy	AUD	ord	1,815	1,815	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes yes	15.40	,	AUD	ord	2,441	2,441	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	636	636	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	18,417	18,417	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,541,779	1,541,779	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,109	1,109	
BlackRock Fund Advisors	30-Nov-22	yes	15 40	on mkt buy	AUD	ord	49,803	49.803	
BlackRock Asset Management Canada Limited	30-Nov-22	yes		on mkt buy	AUD	ord	3,298	3,298	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	7,189	7,189	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	,	AUD	ord	3,085	3,085	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	853	853	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,182	2,182	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	1,372	1,372	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,962	2,962	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	34,550	34,550	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,055	2,055	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	177	177	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,273	3,273	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	38,177	38,177	
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	1,441	1,441	
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	16,801	16,801	
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	929	929	
BlackRock Advisors (UK) Limited BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	10,832	10,832	
Diagratock investment wanagement (UK) LIMILED	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	28,461	28,461	

	Dete 14	Consideration					Class and number of		
Holder of Relevant Interest	Date of Acquisi on a prescribe		Cash	Non-cash	CCY		d number of es affected	Person's votes affected	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	332,006	332,006	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	25,152	25,152	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,157	2,157	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,923	3,923	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	45,755	45,755	
BlackRock Investment Management (Australia)	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,789	3,789	
Limited BlackRock Investment Management (Australia)	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	44,193	44,193	
Limited BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	298,562	298,562	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	25,594	25,594	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	59,282	59,282	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	691,546	691,546	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,429	2,429	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	28,331	28,331	
		-							
BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited	30-Nov-22 30-Nov-22	yes yes	15.40 15.40	,	AUD AUD	ord ord	4,216 362	4,216	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,733	5,733	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	66,874	66,874	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,718	1,718	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	20,035	20,035	
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	,	AUD	ord	51	51	
BlackRock Japan Co., Ltd. BlackRock Japan Co., Ltd.	30-Nov-22 30-Nov-22	yes	15.40 15.40	,	AUD AUD	ord	602 140	602 140	
BlackRock Japan Co., Ltd.	30-Nov-22	yes yes	15.40		AUD	ord	1,646	1,646	
BlackRock Japan Co., Ltd.	30-Nov-22	yes		on mkt buy	AUD	ord	33,019	33,019	
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	385,191	385,191	
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	,	AUD	ord	2,404	2,404	
BlackRock Japan Co., Ltd.	30-Nov-22	yes		on mkt buy	AUD	ord	28,057	28,057	
BlackRock Japan Co., Ltd.	30-Nov-22	yes		on mkt buy	AUD	ord	2,341	2,341	
BlackRock Japan Co., Ltd.	30-Nov-22 30-Nov-22	yes	15.40 15.40	,	AUD AUD	ord	27,322 434	27,322 434	
BlackRock Japan Co., Ltd. BlackRock Japan Co., Ltd.	30-Nov-22	yes yes		on mkt buy on mkt buy	AUD	ord ord	5,069	5,069	
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	,	AUD	ord	36	36	
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	,	AUD	ord	428	428	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	,	AUD	ord	768	768	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	8,398	8,398	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	720	720	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	630	630	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	7,347	7,347	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	469	469	
BlackRock Advisors (UK) Limited BlackRock Investment Management (Australia)	30-Nov-22 30-Nov-22	yes yes	15.40 15.40		AUD AUD	ord ord	5,462 338	5,462 338	
Limited BlackRock Investment Management (Australia)	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,939	3,939	
Limited BlackRock Advisors, LLC	30-Nov-22	Vee	15.40	on mkt buy	AUD	ord	7,226	7,226	
BlackRock Advisors, LLC BlackRock Advisors, LLC	30-Nov-22 30-Nov-22	yes yes		on mkt buy	AUD	ord	620	620	
BlackRock Advisors (UK) Limited	30-Nov-22	yes		on mkt buy	AUD	ord	13,420	13,420	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	156,548	156,548	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	13,788	13,788	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	160,833	160,833	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	2,073	2,073	
BlackRock Advisors (UK) Limited BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22 30-Nov-22	yes yes	15.40 15.40		AUD AUD	ord ord	24,173 3,104	24,173 3,104	
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	267	267	
	00 N 00	-	45.46				~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited	30-Nov-22 30-Nov-22	yes	15.40		AUD	ord	1,410	1,410 16,443	
BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited	30-Nov-22 30-Nov-22	yes	15.40	on mkt buy on mkt buy	AUD AUD	ord	16,443 4,161	4,161	
DIACKNUCK AUVISUIS (UK) LIIIIIIEU	30-1100-22	yes	15.40	on mki buy	AUD	ord	4, 101	4,101	

			Consideration					Person's	
Holder of Relevant Interest	Date of Acquisi on a prescribe		Cash	Non-cash	ССҮ		d number of es affected	votes affected	
BlackRock Advisors (UK) Limited BlackRock Institutional Trust Company, National	30-Nov-22 30-Nov-22	yes yes	15.40 15.40	on mkt buy on mkt buy	AUD AUD	ord ord	48,536 457	48,536 457	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,326	5,326	
Association BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	7,323	7,323	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	628	628	
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buv	AUD	ord	576	576	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	6,715	6,715	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,212	5,212	
Association		-							
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	60,800	60,800	
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	22,133	22,133	
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	258,186	258,186	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,085,715	1,085,715	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	93,071	93,071	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	833	833	
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	9,707	9,707	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	40,965	40,965	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	477,875	477,875	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	15,638	15,638	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	182,415	182,415	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,968	2,968	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	34,614	34,614	
Association BlackRock International Limited	30-Nov-22	yes	15 40	on mkt buy	AUD	ord	117,634	117,634	
BlackRock International Limited	30-Nov-22	yes		on mkt buy	AUD	ord	10,085	10,085	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40		AUD	ord	1,131	1,131	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	,	AUD	ord	13,189	13,189	
BlackRock Investment Management, LLC	30-Nov-22		15.40		AUD	ord	4,535	4,535	
		yes		on mkt buy	AUD				
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	,		ord	52,892	52,892	
BlackRock Investment Management, LLC	30-Nov-22	yes		,	AUD	ord	4,737	4,737	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40		AUD	ord	55,250	55,250	
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40		AUD	ord	2,569	2,569	
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	29,958	29,958	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	795	795	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	9,267	9,267	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	861	861	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	10,037	10,037	
BlackRock Investment Management, LLC BlackRock Investment Management, LLC	30-Nov-22 30-Nov-22	yes yes	15.40 15.40	on mkt buy on mkt buy	AUD AUD	ord ord	3,307 38,566	3,307 38,566	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	1,641	1,641	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	19,133	19,133	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	,	AUD	ord	3,315	3,315	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	38,660	38,660	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	17,812	17,812	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,527	1,527	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40		AUD	ord	208	208	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,423	2,423	
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	7,007	7,007	
BlackRock Fund Advisors	30-Nov-22	yes	15.40		AUD	ord	81,728	81,728	
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Holder of Relevant Interest Date of Acquisition' Prant on a provide structure and provide structure and provide structure and provide structure and BackReck Fund Advisors Class and number of a provide structure and provide structure and provide structure and provide structure and provide structure and provide structure and backReck Fund Advisors Class and number of a provide structure and provide structure provide structure and provide structure and provide structure and provide structure and provide structure provide structure and provide structure and prov				Consi	deration				
BiokRock Fund Advisors 30-Nov-22 yes 15.40 orm the by AUD ord B4.2760 BiokRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord B4.386 B4 BiokRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 30.397 30 BiokRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 42.033 22 BiokRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 42.033 22 BiokRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 42.03 22 BiokRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 42.03 22 15.40 orm they AUD ord 56.00 BiokRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 56.30 BiokRock Advi	Holder of Relevant Interest	•				ССҮ			Person's votes affected
BlackBock Fund Advises 30-Nov-22 yes 15.40 or mit buy AUD ord 44.86 44.86 BlackBock Fund Advises 30-Nov-22 yes 15.40 or mit buy AUD ord 66.00 56.71 30 BlackBock Fund Advises 30-Nov-22 yes 15.40 or mit buy AUD ord 20.80	BlackRock Fund Advisors	30-Nov-22	ves	15.40	on mkt buv	AUD	ord	4,264	4,264
BackRook Fund Advisors B0xNov-22 yes 15.40 om the buy AUD ord 50.322 off 30.702 yes 15.40 om the buy AUD ord 28.717 32.82 BlackTox Fund Advisors 30.702-2 yes 15.40 om the buy AUD ord 28.61 2 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td>49,740</td>								,	49,740
BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm the by AUD ord 429,173 422 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 429,173 422 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 24,033 22 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 31.803 33 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 31.803 33 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm they AUD ord 16.80 ord 16.80 ord 16.80 0 16.80 0 0 16.80 0 0 0.802 15.40 orm they AUD ord 16.81 16.80 0 0 0 16.81 16.80 16.81 16.80 0 0 0 0 <td>BlackRock Fund Advisors</td> <td>30-Nov-22</td> <td>yes</td> <td>15.40</td> <td>on mkt buy</td> <td>AUD</td> <td>ord</td> <td>84,896</td> <td>84,896</td>	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	84,896	84,896
BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 2.9,178 222 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 2.403 2 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 1.404 1 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 9.21 5.3 37 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 9.21 37 37 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 1.188 11 BlackRock Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 1.523 77 BlackRock Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 1.622 16 orm thuy AUD ord 1.622 <td>BlackRock Fund Advisors</td> <td>30-Nov-22</td> <td>yes</td> <td>15.40</td> <td>on mkt buy</td> <td>AUD</td> <td>ord</td> <td>990,352</td> <td>990,352</td>	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	990,352	990,352
BlackRock Fund Advisora 30-Nov-22 yea 15.40 orm they AUD ord 24.033 22 BlackRock Fund Advisora 30-Nov-22 yea 15.40 orm they AUD ord 90 BlackRock Fund Advisora 30-Nov-22 yea 15.40 orm they AUD ord 90 BlackRock Fund Advisora 30-Nov-22 yea 15.40 orm they AUD ord 90 BlackRock Fund Advisora 30-Nov-22 yea 15.40 orm they AUD ord 900 BlackRock Fund Advisora 30-Nov-22 yea 15.40 orm they AUD ord 900 BlackRock Fund Advisora 30-Nov-22 yea 15.40 orm they AUD ord 953 15.41 orm they AUD ord 953 15.41 orm they AUD ord 15.43 76 15.43 76 15.43 76 15.43 76 15.43 76 15.44 orm they AUD	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	36,791	36,791
BlackRock Fund Advisors 30-Nov-22 yea 15.40 orm thuy AUD ord 1,446 1 BlackRock Fund Advisors 30-Nov-22 yes 15.44 orm thuy AUD ord 1,446 1 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 31.003 33 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 12.13 37.13 BlackRock Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 11.188 11 BlackRock Advisors 30-Nov-22 yes 15.40 orm thuy AUD ord 1.622 16 BlackRock Advisors 10-Nov-22 yes 15.40 orm thuy AUD ord 1.623 16 BlackRock Advisors 10-Nov-22 yes 15.40 orm thuy AUD ord 1.6125 16 BlackRock Advisors 10-Nov-22 yes 15.40	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	429,178	429,178
BlackRock Fund Advisors 30-Nov-22 yes 15:40 orm kt by AUD ord 10:46 1 BlackRock Fund Advisors 30-Nov-22 yes 15:40 orm kt by AUD ord 37:03 37 BlackRock Fund Advisors 30-Nov-22 yes 15:40 orm kt by AUD ord 37:03 37 BlackRock Fund Advisors 30-Nov-22 yes 15:40 orm kt by AUD ord 17:08 17 BlackRock Advisors 30-Nov-22 yes 15:40 orm kt by AUD ord 5:33 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15:40 orm kt by AUD ord 7:58 7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15:40 orm kt by AUD ord 16:02 16:00 orm kt by AUD ord 16:02 16:02 16:02 16:02 16:02 16:02 16:02 16:02 16:02 16:02 16:02 16:02 16:02<	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,061	2,061
BlackRok Fund Advisors 30-Nor-22 yes 15.40 orn Mt by AUD ord 310 BlackRok Fund Advisors 30-Nor-22 yes 15.40 orn Mt by AUD ord 372.153 372. BlackRok Fund Advisors 30-Nor-22 yes 15.40 orn Mt by AUD ord 15.44 BlackRok Fund Advisors 30-Nor-22 yes 15.40 orn Mt by AUD ord 15.43 orn Mt by AUD ord 15.43 orn Mt by AUD ord 15.43 orn Mt by AUD ord 6.50 orn Mt by AUD ord 6.50 orn Mt by AUD ord 6.50 orn Mt by AUD ord 6.50 orn Mt by AUD ord 7.51 7.5 BlackRok Advisors (UK) Limited 30-Nor-22 yes 15.40 orn Mt by AUD ord 7.63 32 BlackRok Advisors (UK) Limited 30-Nor-22 yes 15.40 orn Mt by AUD ord 3.129	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy		ord	24,033	24,033
BlackRock Fund Advisors 30-Nov-22 yes 15.40 orn mk by AUD ord 31,933 31 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orn mk by AUD ord 372,133 37 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orn mk by AUD ord 2,135 27 BlackRock Fund Advisors 30-Nov-22 yes 15.40 orn mk by AUD ord 1,118 11 BlackRock Analysions (UK) Limited 30-Nov-22 yes 15.40 orn mk by AUD ord 7,63,68 7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 orn mk by AUD ord 76,748 87 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 orn mk by AUD ord 18,537 18 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 orn mk by AUD ord 6,32 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 orn mk by AUD ord 27,3	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy		ord	1,046	1,046
BlackRock Fund Advisors 30-Nov-22 yes 15.40 on mk by AUD ord 1372,153 977 978,154 977	BlackRock Fund Advisors	30-Nov-22	yes				ord	90	90
BlackRock Fund Advisors 30-Nov-22 yes 15.40 on mk by AUD ord 1.43 2 BlackRock Fund Advisors 30-Nov-22 yes 15.40 on mk by AUD ord 2,135 2 BlackRock Fund Advisors 30-Nov-22 yes 15.40 on mk by AUD ord 1,118 11 BlackRock Advisors (VK) Limited 30-Nov-22 yes 15.40 on mk by AUD ord 1,61,60 0 6,020 6 BlackRock Advisors (VK) Limited 30-Nov-22 yes 15.40 on mk by AUD ord 16,020 f0 16,027 f5 BlackRock Advisors (VK) Limited 30-Nov-22 yes 15,40 on mk by AUD ord 7,367 7	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy		ord	31,903	31,903
BlackRock Fund Advisors 30-Nov-22 yes 15.40 on mit buy AUD ord 21.35 2 BlackRock Fund Advisors 30-Nov-22 yes 15.40 on mit buy AUD ord 11.188 11 BlackRock Advisors (UK) limited 30-Nov-22 yes 15.40 on mit buy AUD ord 6.502 0 BlackRock Advisors (UK) limited 30-Nov-22 yes 15.40 on mit buy AUD ord 6.502 0 BlackRock Advisors (UK) limited 30-Nov-22 yes 15.40 on mit buy AUD ord 7.518 7.7 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 5.027 5 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 7.7 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 7.27 7 BlackRock Advisors	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy		ord	372,153	372,153
BlackRock Fund Advisors 30-Nov-22 yes 15.40 on mkt buy AUD ord 960 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 5.32 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 6.322 E BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 16.025 16 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 16.025 16 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 5.027 5 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.377 7 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 27.27.276 7 BlackRock Advisors (UK) Limited	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy		ord		184
BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 11.188 11 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 6.002 6 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 7.518 7.7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 180.25 6 6 7.518 7.7 8 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 180.25 16 6 7.6 7 8 8 7.6 7 8 8 7.6 7 8 8 7 7 8 8 7 7 8 8 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			yes						2,135
BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 6.392 6 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 75.168 75 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 18.02 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 18.02 18.02 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 5.027 5 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.367 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.367 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2.34.06 2.26 2.66 2.76			yes						960
BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 6,022 F BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 77,158 77 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 180.25 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 180.25 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 3,129 3 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 2,82 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 2,32 2 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 2,32,42 2 BlackRock Advisors (UK) Limited 30-Nov-22	BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy		ord		11,188
BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mix buy AUD ord 75,168 77 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mix buy AUD ord 180,255	· · · ·		yes		,				523
BisckRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mk buy AUD ord 877,746 877,747 873,747 773,77 77 884,780,743,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747 873,747	BlackRock Advisors (UK) Limited		yes		,		ord	6,092	6,092
BinckRock Advisors (UK) Limited 30-Nov-22 yes 15.40 omk buy AUD ord 16.025 ft BinckRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mk buy AUD ord 432 BinckRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mk buy AUD ord 5.027 5 BinckRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mk buy AUD ord 3.129 3 BinckRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mk buy AUD ord 632 BinckRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mk buy AUD ord 273.276 272 BinckRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mk buy AUD ord 273.276 272 BinckRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mk buy AUD ord 2,412 BinckRock Advisors (UK) Limited	BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy		ord	75,158	75,158
BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 186,891 186 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 5.027 55 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 5.027 55 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 6.32 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.367 7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 23.426 22 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 23.426 22 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 24.911 Bla	BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	876,746	876,746
BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 432 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 5.027 5 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 269 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 632 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 273.276 277 BlackRock Arvisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 273.276 277 BlackRock Arvisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2.806 2 BlackRock Arvisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2.806 2 BlackRock Arvisors (BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	16,025	16,025
BiackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 5,027 5 BiackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 3,129 33 BiackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 633 BiackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 633 BiackRock Advisori (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 273.276 273 BiackRock Advisori (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2.806 2 2 BiackRock Advisori (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.817 7 BiackRock Advisori (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.917 57 BiackRock A		30-Nov-22	yes	15.40	on mkt buy	AUD	ord	186,931	186,931
BiackRock Assel Management Canada Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 3,129 33 BiackRock Assel Management Canada Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 269 BiackRock Assel Management Canada Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 632 BiackRock Avisons (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 23426 22 BiackRock Avisons (UK) Limited 30-Nov-22 yes 15.40 on mit buy AUD ord 23426 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 273 276 276 <td< td=""><td>BlackRock Asset Management Canada Limited</td><td>30-Nov-22</td><td>yes</td><td>15.40</td><td>on mkt buy</td><td>AUD</td><td>ord</td><td>432</td><td>432</td></td<>	BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	432	432
BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 632 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 632 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7,367 7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 23,426 22 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 23,426 23 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2,406 23 266 23 28 216,40 on mkt buy AUD ord 4,913 44 24 24 44 44 44 44 44 44 44 44 44 44 44 44 44 44 44 44	BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,027	5,027
BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 632 BlackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7,367 7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 23,426 23 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 23,426 23 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2,866 23 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 4,913 44 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 4,913 44 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 43,947 43 BlackRo	BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,129	3,129
BiackRock Asset Management Canada Limited 30-Nov-22 yes 15.40 on mik buy AUD ord 7,367 7 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mik buy AUD ord 23,426 22 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mik buy AUD ord 241 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mik buy AUD ord 241 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mik buy AUD ord 6,223 6 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mik buy AUD ord 4,913 4 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mik buy AUD ord 18,824 16 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mik buy AUD ord 42,843 42 BiackRock Advisors (UK) Limited	BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	269	269
BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 23,426 22 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 273,276 273 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2,606 2 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 6,203 6 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7,3,107 75 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 1,561 1 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 42,343 42 BiackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7,510 7 7 <t< td=""><td>BlackRock Asset Management Canada Limited</td><td>30-Nov-22</td><td>yes</td><td>15.40</td><td>on mkt buy</td><td>AUD</td><td>ord</td><td>632</td><td>632</td></t<>	BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	632	632
BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 orn mkt buy AUD ord 273.276 273 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2.806 223 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.8,10 7.7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.3,10 7.7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.3,307 555 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 42.343 42 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 42.343 42 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 42.517 72	BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	7,367	7,367
BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 273.276 273 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2.806 223 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.8,410 7.7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.3,410 7.7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.3,307 555 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 42.343 42 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 42.343 42 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.510 7.7 2	BlackRock Advisors (UK) Limited	30-Nov-22	ves	15.40	on mkt buv	AUD	ord	23,426	23,426
BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 241 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 6,293 6 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 6,293 6 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 4,313 4 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 1,561 1 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 1,8204 11 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7,510 77 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2,217 2 BlackRock Advisors (UK) Limited </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>273,276</td>									273,276
BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2.806 2 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.3.410 7.3 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.3.410 7.3 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.5.61 1 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.5.61 1 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 42.343 42 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 7.510 7 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2.717 2 Bla					,			,	241
BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 6.293 62 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 73,410 73 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 4,913 44 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 15.61 1 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 42,343 42 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 439,947 493 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 2,277 2 BlackRock Advisors (UK) Limited 30-Nov-22 yes 15.40 on mkt buy AUD ord 1,125 1 Black									2,806
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BlackRock Fund Advisors30-Nov-22yes15.40on mkt buyAUDord9,3779BlackRock Fund Advisors30-Nov-22yes15.40on mkt buyAUDord233BlackRock Fund Advisors30-Nov-22yes15.40on mkt buyAUDord233BlackRock Fund Advisors30-Nov-22yes15.40on mkt buyAUDord2,7062BlackRock Investment Management, LLC30-Nov-22yes15.40on mkt buyAUDord23,63623									51,235
BlackRock Fund Advisors 30-Nov-22 yes 15.40 on mkt buy AUD ord 233 BlackRock Fund Advisors 30-Nov-22 yes 15.40 on mkt buy AUD ord 2,706 2 BlackRock Investment Management, LLC 30-Nov-22 yes 15.40 on mkt buy AUD ord 23,636 23									109,382
BlackRock Fund Advisors30-Nov-22yes15.40on mkt buyAUDord2,7062BlackRock Investment Management, LLC30-Nov-22yes15.40on mkt buyAUDord23,63623									9,377
BlackRock Investment Management, LLC 30-Nov-22 yes 15.40 on mkt buy AUD ord 23,636 23			-		,				233
· · ·			-						2,706
BlackRock Investment Management, LLC 30-Nov-22 yes 15.40 on mkt buy AUD ord 2,027 2	0		-						23,636
	BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,027	2,027

	Data of Associat	0	Person's					
Holder of Relevant Interest	Date of Acquisi on a prescribe		Cash	Non-cash	CCY		d number of es affected	votes affected
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,885	2,885
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	33,649	33,649
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,271	3,271
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	38,155	38,155
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,056	1,056
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	12,315	12,315
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	20,112	20,112
		,00						
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	234,611	234,611
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	23,716	23,716
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	276,656	276,656
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	4,025	4,025
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	46,953	46,953
	20 Nov 00		45 40	on relation		لمترح	0 407	0.407
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,127	2,127
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	24,805	24,805
BlackRock Advisors, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	306,072	306,072
BlackRock Advisors, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	26,238	26,238
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,567	1,567
BlackRock Japan Co., Ltd.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	18,294	18,294
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	465	465
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,421	5,421
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	46,537	46,537
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	542,870	542,870
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	184,992	184,992
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	15,859	15,859
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	4,326	4,326
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	50,458	50,458
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	3,936	3,936
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	45,915	45,915
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	4,461	4,461
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	52,030	52,030
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,467	2,467
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	212	212
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,641	5,641
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	484	484
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	4,362	4,362
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	50,881	50,881
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,572	2,572
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	221	221
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	4,828	4,828
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	414	414
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	4,167	4,167
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	48,603	48,603
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	4,878	4,878

			Consideration					Person's	
Holder of Relevant Interest	Date of Acquisit on a prescribe		Cash	Non-cash	CCY		d number of es affected	votes	
BlackRock Advisors (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	56,895	56,895	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,772	5,772	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	495	495	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	520	520	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	6,059	6,059	
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,350	1,350	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	15,746	15,746	
Association									
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,075	2,075	
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	178	178	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	4,245	4,245	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	364	364	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	15,978	15,978	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,370	1,370	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,843	1,843	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	21,493	21,493	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	481	481	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,600	5,600	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	9,764	9,764	
		•						,	
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	838	838	
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	37,592	37,592	
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	438,521	438,521	
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	29,040	29,040	
BlackRock Asset Management Canada Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,490	2,490	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	5,361	5,361	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	6,760	6,760	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	61,202	61,202	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,092,909	1,092,909	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	9,772	9,772	
BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	481,041	481,041	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	183,624	183,624	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	34,843	34,843	
Association							10.070	10.070	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	13,276	13,276	
BlackRock Investment Management, LLC	30-Nov-22	yes		on mkt buy	AUD	ord	9,329	9,329	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	,	AUD	ord	38,917	38,917	
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	17,931	17,931	
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	21,434	21,434	
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	82,271	82,271	
BlackRock Fund Advisors	30-Nov-22	yes		on mkt buy	AUD	ord	50,070	50,070	
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	996,911	996,911	
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	432,021	432,021	
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	24,193	24,193	
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,052	1,052	
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	374,619	374,619	
BlackRock Fund Advisors	30-Nov-22 30-Nov-22	yes	15.40	on mkt buy	AUD	ord	2,150 11,264	2,150	
BlackRock Fund Advisors BlackRock Institutional Trust Company, National	30-Nov-22 30-Nov-22	yes yes	15.40 15.40	on mkt buy on mkt buy	AUD AUD	ord ord	546,465	11,264 546,465	
Association BlackRock Institutional Trust Company, National	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	186,218	186,218	
Association				-					

	Date of Acquisition / Trans		Consideration			Class and number of		Person's
Holder of Relevant Interest	on a prescribe		Cash	Non-cash	ССҮ		es affected	votes affected
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	69,110	69,110
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	15,850	15,850
BlackRock Investment Management, LLC	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	16,084	16,084
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	15,458	15,458
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	1,294,088	1,294,088
BlackRock Fund Advisors	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	441,426	441,426
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	15.40	on mkt buy	AUD	ord	152,711	152,711

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

	02-Dec-22
Shawna Reese,	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)

This is Annexure D of 3 pages referred to in form 603 Notice of initial substantial shareholder.

	02-Dec-22
Shawna Reese, Authorised Signatory	Date

Type of agreement:	Global Master Securities Lending Agreement, Overseas Securities Lending Agreement or Master Securities Lending Agreement.
Parties to agreement:	The relevant counterparty as described in the lists of Securities Lending Agreements entered into by BlackRock Advisors Limited and BlackRock Institutional Trust Corporation, N.A., respectively, on the following page.
Transfer date:	The date of the relevant transaction identified as a collateral transfer referred to in Annexure B.
Holder of voting rights:	The Borrower.
Are there any restrictions on voting rights? If yes, detail	Yes. Collateral is held through a tripartite structure under which the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower.
Scheduled return date (if any):	The date of the relevant transaction referred to in Annexure B.
Does the borrower have the right to return early? If yes, detail	Yes. The Borrower is entitled to substitute existing collateral with other equities at any time.
Does the lender have the right to recall early?	Yes, at notice.
lf yes, detail	
Will the securities be returned on settlement?	Yes.
If yes, detail any exceptions	

A copy of the relevant agreement will be provided to IGO LTD or the Australian Securities and Investments Commission upon request.

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
- (I) 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
- I. 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