

Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme QANTAS AIRWAYS LTD

ACN/ARSN 009 661 901

1. Details of substantial holder (1)

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

The holder became a substantial holder on 13 /12 /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	92,364,497	92,364,497	5.08
adr 5:1	1,173	5,865	0.00

3. Details of relevant interests

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

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
Annexure A & D		

4. Details of present registered holders

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

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
see Annexure A			

5. Consideration

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

Holder of relevant interest	Date of acquisition	Consideration (9)		Class and number of securities
		Cash	Non-cash	
see Annexure B				

6. Associates

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

Name and ACN/ARSN (if applicable)	Nature of association
see Annexure A	

7. Addresses

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

Name	Address
see Annexure C	

Signature

print name Tevin Murray

capacity Authorised Signatory*

sign here

date 15 / 12 /2022

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

DIRECTIONS

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

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

15-Dec-22

Tevin Murray,
Authorised Signatory

Date

3. Details of Relevant Interests

4. Details of present registered holders

6. Associates

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
APERIO GROUP LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ADR 5:1 1,173	5,865	subsidiary of BlackRock Inc.
APERIO GROUP LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ORD 128,691	128,691	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD 378,782	378,782	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 455,114	455,114	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET SINGAPORE		ORD 1,128	1,128	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BANK OF NY BRUS		ORD 71,673	71,673	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BONY EUROPE - LONDON		ORD 549,667	549,667	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JPM CHASE - LONDON		ORD 1,900,578	1,900,578	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST UK		ORD 253,635	253,635	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STATE HONG KONG		ORD 810,098	810,098	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET DUBLIN		ORD 10,029,756	10,029,756	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ORD 29,638	29,638	subsidiary of BlackRock Inc.
BLACKROCK ADVISORS, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 638,227	638,227	subsidiary of BlackRock Inc.
BLACKROCK ADVISORS LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD 139,502	139,502	subsidiary of BlackRock Inc.
BLACKROCK ADVISORS LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 31,114	31,114	subsidiary of BlackRock Inc.
BLACKROCK ADVISORS LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD 515,305	515,305	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-CIBC MELLON GLOBAL SECURITIES - NEW YORK		ORD 115,232	115,232	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD 4,566	4,566	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 500,228	500,228	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 51,862	51,862	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD 225,959	225,959	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BANK OF NY BRUS		ORD 14,133	14,133	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD 22,319	22,319	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CITI-CITIBANK, HONG KONG		ORD 11,791	11,791	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 16,157	16,157	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD 408,633	408,633	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD 354,655	354,655	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CITI-CITIBANK, LONDON		ORD 29,749	29,749	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	HSBC-HSBC, HONG KONG		ORD 27,605	27,605	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 83,449	83,449	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	Mitsubishi UFJ Investor Services & Banking Lux S.A		ORD 41,430	41,430	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ORD 73,968	73,968	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST UK		ORD 16,030	16,030	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STATE HONG KONG		ORD 971,307	971,307	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET BANK & TRUST TORONTO		ORD 5,191	5,191	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET BANK, BOSTON		ORD 244,346	244,346	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD 53,113	53,113	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD 14,218,809	14,218,809	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNP PRIME CUSTODY US		ORD 25,897	25,897	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BANK OF NY BRUS		ORD 1,480,176	1,480,176	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD 760,199	760,199	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ORD 88,174	88,174	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CITI-CITIGROUP GLOBAL MARKETS PRIME BROKERAGE - NEW YORK		ORD 139,589	139,589	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 12,422,183	12,422,183	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	MS-MORGAN STANLEY & CO INC		ORD 5,576	5,576	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ORD 286,385	286,385	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 634,425	634,425	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STATE HONG KONG		ORD 55,648	55,648	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD 1,856	1,856	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	UBS- UBS- ZURICH		ORD 73,587	73,587	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 349,515	349,515	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST UK		ORD 194,239	194,239	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 6,682	6,682	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNP-BNP PARIBAS AUSTRALIA - COGENT		ORD 307,249	307,249	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, responsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ORD 66,791	66,791	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CITI-Citigroup Australia - SYDNEY		ORD 514,850	514,850	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	HSBC-HSBC SYDNEY		ORD 3,064,791	3,064,791	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JPM CHASE - SYDNEY		ORD 13,169,207	13,169,207	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD 7,347,352	7,347,352	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	Northern Trust Singapore		ORD 4,870,242	4,870,242	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	UBS- UBS- ZURICH		ORD 237,791	237,791	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNP PARIBAS LUX		ORD 6,248	6,248	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNP-BNP Paribas Milan		ORD 30,932	30,932	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BANK OF NY BRUS		ORD 1,110,878	1,110,878	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BONY EUROPE - LONDON		ORD 461,250	461,250	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD 325,743	325,743	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CB-Caceis Bank Amsterdam		ORD 41,609	41,609	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CITI-CITIBANK, LONDON		ORD 920,817	920,817	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	CREDIT SUISSE (ZURICH)		ORD 89,858	89,858	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	HSBC BANK MIDDLE EAST LIMITED		ORD 13,459	13,459	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	HSBC-HSBC - LONDON		ORD 942,536	942,536	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 47,909	47,909	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JPM CHASE - LONDON		ORD 152,134	152,134	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST UK		ORD 4,271,932	4,271,932	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STATE HONG KONG		ORD 35,398	35,398	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ORD 197,982	197,982	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-State Street Bank S.p.A		ORD 48,391	48,391	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET BANK, GERMANY		ORD 18,440	18,440	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET LONDON		ORD 219,574	219,574	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, responsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 86,034	86,034	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD 331,356	331,356	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, responsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD 602,986	602,986	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, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 513,611	513,611	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, responsible entity or trustee.	JPM-JPM CHASE - LONDON		ORD 164,931	164,931	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, responsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 46,866	46,866	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, responsible entity or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ORD 74,734	74,734	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, responsible entity or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD 37,046	37,046	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, responsible entity or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 23,014	23,014	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, responsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD 7,998	7,998	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, responsible entity or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 100,441	100,441	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, responsible entity or trustee.	JPM-JPM CHASE - LONDON		ORD 615,527	615,527	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, responsible entity or trustee.	MITSUI-SUMITOMO TRUST		ORD 155,783	155,783	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, responsible entity or trustee.	SSB-State Street Bank And Trust Co.		ORD 1,133,777	1,133,777	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, responsible entity or trustee.	SSB-STATE STREET BANK, BOSTON		ORD 9,459	9,459	subsidiary of BlackRock Inc.

This is Annexure B of 23 pages referred to in form 603 Notice of initial substantial shareholder

15-Dec-22

Tevin Murray,
Authorised Signatory

Date

5. Consideration

QANTAS AIRWAYS LTD (QAN)

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	15-Aug-22	yes	4.73	on mkt buy	AUD	ORD	802	802
BlackRock Institutional Trust Company, National Association	15-Aug-22	yes	4.73	on mkt buy	AUD	ORD	4,188	4,188
BlackRock Institutional Trust Company, National Association	15-Aug-22	yes	4.73	on mkt buy	AUD	ORD	1,166	1,166
BlackRock Advisors (UK) Limited	15-Aug-22	yes	4.75	on mkt buy	AUD	ORD	1,590	1,590
BlackRock Advisors (UK) Limited	15-Aug-22	yes	4.75	on mkt buy	AUD	ORD	318	318
BlackRock Institutional Trust Company, National Association	15-Aug-22	yes	4.75	on mkt buy	AUD	ORD	32,219	32,219
BlackRock Advisors (UK) Limited	15-Aug-22	no	n/a	collateral transfer	AUD	ORD	342,579	342,579
BlackRock Investment Management, LLC	15-Aug-22	no	n/a	collateral transfer	AUD	ORD	1,778	1,778
BlackRock Investment Management (UK) Limited	15-Aug-22	no	n/a	collateral transfer	AUD	ORD	848,276	848,276
BlackRock Institutional Trust Company, National Association	16-Aug-22	yes	4.79	on mkt buy	AUD	ORD	446	446
BlackRock Institutional Trust Company, National Association	16-Aug-22	yes	4.79	on mkt buy	AUD	ORD	2,385	2,385
BlackRock Institutional Trust Company, National Association	16-Aug-22	yes	4.79	on mkt buy	AUD	ORD	1,949	1,949
BlackRock Advisors (UK) Limited	16-Aug-22	yes	4.77	on mkt buy	AUD	ORD	156	156
BlackRock Investment Management, LLC	16-Aug-22	yes	4.77	on mkt buy	AUD	ORD	4,571	4,571
BlackRock Financial Management, Inc.	16-Aug-22	no	n/a	collateral transfer	AUD	ORD	13,270	13,270
BlackRock Investment Management, LLC	16-Aug-22	no	n/a	collateral transfer	AUD	ORD	158	158
BlackRock Institutional Trust Company, National Association	17-Aug-22	yes	4.81	on mkt buy	AUD	ORD	1,283	1,283
BlackRock Institutional Trust Company, National Association	17-Aug-22	yes	4.81	on mkt buy	AUD	ORD	6,449	6,449
BlackRock Institutional Trust Company, National Association	17-Aug-22	yes	4.81	on mkt buy	AUD	ORD	3,433	3,433
BlackRock Institutional Trust Company, National Association	17-Aug-22	yes	4.82	on mkt buy	AUD	ORD	17,771	17,771
BlackRock Institutional Trust Company, National Association	17-Aug-22	yes	4.82	on mkt buy	AUD	ORD	24,881	24,881
BlackRock Institutional Trust Company, National Association	17-Aug-22	yes	4.82	on mkt buy	AUD	ORD	32,756	32,756
BlackRock Advisors (UK) Limited	17-Aug-22	no	n/a	collateral transfer	AUD	ORD	1,269,159	1,269,159
BlackRock Investment Management (UK) Limited	17-Aug-22	no	n/a	collateral transfer	AUD	ORD	222,148	222,148
BlackRock Institutional Trust Company, National Association	18-Aug-22	yes	4.78	on mkt buy	AUD	ORD	483	483
BlackRock Institutional Trust Company, National Association	18-Aug-22	yes	4.78	on mkt buy	AUD	ORD	2,139	2,139
BlackRock Institutional Trust Company, National Association	18-Aug-22	yes	4.78	on mkt buy	AUD	ORD	2,433	2,433
BlackRock Investment Management (Australia) Limited	18-Aug-22	yes	4.78	on mkt buy	AUD	ORD	419,107	419,107
BlackRock Japan Co., Ltd.	18-Aug-22	yes	4.77	on mkt buy	AUD	ORD	6,658	6,658
BlackRock Japan Co., Ltd.	18-Aug-22	yes	4.77	on mkt buy	AUD	ORD	7,478	7,478
BlackRock Japan Co., Ltd.	18-Aug-22	yes	4.77	on mkt buy	AUD	ORD	8,712	8,712
BlackRock Japan Co., Ltd.	18-Aug-22	yes	4.77	on mkt buy	AUD	ORD	4,643	4,643
BlackRock Financial Management, Inc.	18-Aug-22	yes	4.77	on mkt buy	AUD	ORD	5,250	5,250
BlackRock Institutional Trust Company, National Association	18-Aug-22	yes	4.77	on mkt buy	AUD	ORD	4,181	4,181
BlackRock Japan Co., Ltd.	18-Aug-22	yes	4.77	on mkt buy	AUD	ORD	25,572	25,572
BlackRock Japan Co., Ltd.	18-Aug-22	no	n/a	collateral transfer	AUD	ORD	1	1

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	18-Aug-22	no	n/a	collateral transfer	AUD	ORD	790,472	790,472
BlackRock Institutional Trust Company, National Association	19-Aug-22	yes	4.72	on mkt buy	AUD	ORD	2,413	2,413
BlackRock Institutional Trust Company, National Association	19-Aug-22	yes	4.72	on mkt buy	AUD	ORD	12,797	12,797
BlackRock Institutional Trust Company, National Association	19-Aug-22	yes	4.72	on mkt buy	AUD	ORD	4,612	4,612
BlackRock Investment Management (Australia) Limited	19-Aug-22	yes	4.72	on mkt buy	AUD	ORD	352,863	352,863
BlackRock Fund Advisors	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	21,536	21,536
BlackRock Investment Management, LLC	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	952	952
BlackRock Institutional Trust Company, National Association	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	12,296	12,296
BlackRock Investment Management (UK) Limited	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	7,781	7,781
BLACKROCK ADVISORS, LLC	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	6,832	6,832
BlackRock International Limited	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	16,242	16,242
BlackRock Institutional Trust Company, National Association	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	7,643	7,643
BlackRock Financial Management, Inc.	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	4,798	4,798
BlackRock Advisors (UK) Limited	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	25,758	25,758
BlackRock Advisors (UK) Limited	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	17,532	17,532
BlackRock Investment Management (UK) Limited	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	25,409	25,409
BlackRock (Singapore) Limited	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	20,742	20,742
BlackRock Asset Management Canada Limited	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	7,897	7,897
BlackRock Investment Management, LLC	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	5,525	5,525
BlackRock Financial Management, Inc.	19-Aug-22	yes	4.70	on mkt buy	AUD	ORD	4,665	4,665
BlackRock Advisors (UK) Limited	19-Aug-22	no	n/a	collateral transfer	AUD	ORD	169,662	169,662
BlackRock Institutional Trust Company, National Association	22-Aug-22	yes	4.61	on mkt buy	AUD	ORD	5,733	5,733
BlackRock Investment Management (Australia) Limited	22-Aug-22	yes	4.61	on mkt buy	AUD	ORD	15,376	15,376
BlackRock Advisors (UK) Limited	22-Aug-22	yes	4.61	on mkt buy	AUD	ORD	2,022	2,022
BlackRock Institutional Trust Company, National Association	22-Aug-22	yes	4.61	on mkt buy	AUD	ORD	18,864	18,864
BlackRock Financial Management, Inc.	22-Aug-22	yes	4.61	on mkt buy	AUD	ORD	29,869	29,869
BlackRock Financial Management, Inc.	22-Aug-22	yes	4.61	on mkt buy	AUD	ORD	13,636	13,636
BlackRock Institutional Trust Company, National Association	22-Aug-22	yes	4.61	on mkt buy	AUD	ORD	17,879	17,879
BlackRock Institutional Trust Company, National Association	22-Aug-22	yes	4.61	on mkt buy	AUD	ORD	28,212	28,212
BlackRock Institutional Trust Company, National Association	22-Aug-22	yes	4.61	on mkt buy	AUD	ORD	14,651	14,651
BlackRock Institutional Trust Company, National Association	22-Aug-22	yes	4.61	on mkt buy	AUD	ORD	40,047	40,047
BlackRock Investment Management (UK) Limited	22-Aug-22	no	n/a	collateral transfer	AUD	ORD	878,064	878,064
BlackRock Institutional Trust Company, National Association	23-Aug-22	yes	4.58	on mkt buy	AUD	ORD	581	581
BlackRock Institutional Trust Company, National Association	23-Aug-22	yes	4.58	on mkt buy	AUD	ORD	2,634	2,634
BlackRock Institutional Trust Company, National Association	23-Aug-22	yes	4.58	on mkt buy	AUD	ORD	6,381	6,381
BlackRock Investment Management (Australia) Limited	23-Aug-22	yes	4.59	on mkt buy	AUD	ORD	4,886	4,886
BlackRock Advisors (UK) Limited	23-Aug-22	yes	4.55	on mkt buy	AUD	ORD	2,022	2,022
BlackRock Institutional Trust Company, National Association	23-Aug-22	yes	4.55	on mkt buy	AUD	ORD	152,414	152,414
BlackRock Institutional Trust Company, National Association	23-Aug-22	yes	4.55	on mkt buy	AUD	ORD	21,506	21,506
BlackRock Financial Management, Inc.	23-Aug-22	yes	4.55	on mkt buy	AUD	ORD	37,376	37,376
BlackRock Financial Management, Inc.	23-Aug-22	yes	4.55	on mkt buy	AUD	ORD	17,273	17,273
BlackRock Institutional Trust Company, National Association	23-Aug-22	yes	4.55	on mkt buy	AUD	ORD	20,956	20,956
BlackRock Institutional Trust Company, National Association	23-Aug-22	yes	4.55	on mkt buy	AUD	ORD	34,224	34,224
BlackRock Institutional Trust Company, National Association	23-Aug-22	yes	4.55	on mkt buy	AUD	ORD	20,146	20,146
BlackRock Institutional Trust Company, National Association	23-Aug-22	yes	4.55	on mkt buy	AUD	ORD	30,281	30,281
BlackRock Advisors (UK) Limited	23-Aug-22	no	n/a	collateral transfer	AUD	ORD	1,095,627	1,095,627

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	24-Aug-22	yes	4.57	on mkt buy	AUD	ORD	1,439	1,439
BlackRock Institutional Trust Company, National Association	24-Aug-22	yes	4.57	on mkt buy	AUD	ORD	6,087	6,087
BlackRock Institutional Trust Company, National Association	24-Aug-22	yes	4.57	on mkt buy	AUD	ORD	7,561	7,561
BlackRock Investment Management (UK) Limited	24-Aug-22	yes	4.57	on mkt buy	AUD	ORD	4,725	4,725
BlackRock Investment Management (Australia) Limited	24-Aug-22	yes	4.57	on mkt buy	AUD	ORD	876,788	876,788
BlackRock Investment Management (Australia) Limited	24-Aug-22	yes	4.57	on mkt buy	AUD	ORD	26,712	26,712
BlackRock Institutional Trust Company, National Association	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	1,888	1,888
BlackRock Investment Management (UK) Limited	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	1,103	1,103
BlackRock Institutional Trust Company, National Association	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	1,368	1,368
BlackRock Investment Management (UK) Limited	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	4,991	4,991
BlackRock (Singapore) Limited	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	4,774	4,774
BlackRock Asset Management Canada Limited	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	6,182	6,182
BlackRock Investment Management, LLC	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	1,493	1,493
BlackRock Institutional Trust Company, National Association	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	3,059	3,059
BlackRock Investment Management (UK) Limited	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	1,786	1,786
BlackRock Institutional Trust Company, National Association	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	2,216	2,216
BlackRock Investment Management (UK) Limited	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	8,081	8,081
BlackRock (Singapore) Limited	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	7,729	7,729
BlackRock Asset Management Canada Limited	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	10,007	10,007
BlackRock Investment Management, LLC	24-Aug-22	yes	4.54	on mkt buy	AUD	ORD	2,418	2,418
BlackRock Institutional Trust Company, National Association	25-Aug-22	yes	4.84	on mkt buy	AUD	ORD	602	602
BlackRock Institutional Trust Company, National Association	25-Aug-22	yes	4.84	on mkt buy	AUD	ORD	2,286	2,286
BlackRock Institutional Trust Company, National Association	25-Aug-22	yes	4.84	on mkt buy	AUD	ORD	4,319	4,319
BlackRock Investment Management (Australia) Limited	25-Aug-22	yes	4.84	on mkt buy	AUD	ORD	2,681	2,681
BlackRock Advisors (UK) Limited	25-Aug-22	yes	4.86	on mkt buy	AUD	ORD	1,610	1,610
BlackRock Japan Co., Ltd.	25-Aug-22	yes	4.86	on mkt buy	AUD	ORD	3,550	3,550
BlackRock Japan Co., Ltd.	25-Aug-22	yes	4.86	on mkt buy	AUD	ORD	4,275	4,275
BlackRock Financial Management, Inc.	25-Aug-22	yes	4.86	on mkt buy	AUD	ORD	1,691	1,691
BlackRock Advisors (UK) Limited	25-Aug-22	yes	4.86	on mkt buy	AUD	ORD	1,746	1,746
BlackRock Japan Co., Ltd.	25-Aug-22	yes	4.86	on mkt buy	AUD	ORD	3,848	3,848
BlackRock Japan Co., Ltd.	25-Aug-22	yes	4.86	on mkt buy	AUD	ORD	4,634	4,634
BlackRock Financial Management, Inc.	25-Aug-22	yes	4.86	on mkt buy	AUD	ORD	1,834	1,834
BlackRock Investment Management (UK) Limited	25-Aug-22	no	n/a	collateral transfer	AUD	ORD	224,320	224,320
BlackRock Investment Management (Australia) Limited	26-Aug-22	yes	5.15	on mkt buy	AUD	ORD	59,776	59,776
BlackRock Investment Management (Australia) Limited	26-Aug-22	yes	5.15	on mkt buy	AUD	ORD	74,977	74,977
BlackRock Investment Management, LLC	26-Aug-22	yes	5.18	on mkt buy	AUD	ORD	1,703	1,703
BlackRock Financial Management, Inc.	26-Aug-22	yes	5.18	on mkt buy	AUD	ORD	22,663	22,663
BlackRock Financial Management, Inc.	26-Aug-22	yes	5.18	on mkt buy	AUD	ORD	73,071	73,071
BlackRock Advisors (UK) Limited	26-Aug-22	no	n/a	collateral transfer	AUD	ORD	983,954	983,954
BlackRock Investment Management, LLC	26-Aug-22	no	n/a	collateral transfer	AUD	ORD	95,347	95,347
BlackRock Fund Advisors	29-Aug-22	no	n/a	in specie	AUD	ORD	2,945	2,945
BlackRock Investment Management (Australia) Limited	29-Aug-22	yes	5.16	on mkt buy	AUD	ORD	13,454	13,454
BlackRock Fund Advisors	29-Aug-22	no	n/a	in specie	AUD	ORD	4,123	4,123
BlackRock Japan Co., Ltd.	29-Aug-22	no	n/a	collateral transfer	AUD	ORD	47,775	47,775
BlackRock Investment Management (Australia) Limited	30-Aug-22	yes	5.28	on mkt buy	AUD	ORD	736,282	736,282
BlackRock Institutional Trust Company, National Association	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	9,229	9,229

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (UK) Limited	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	9,453	9,453
BLACKROCK ADVISORS, LLC	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	14,532	14,532
BLACKROCK ADVISORS, LLC	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	5,745	5,745
BlackRock International Limited	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	7,959	7,959
BlackRock Institutional Trust Company, National Association	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	168,460	168,460
BlackRock Institutional Trust Company, National Association	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	10,061	10,061
BLACKROCK ADVISORS, LLC	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	3,939	3,939
BlackRock Advisors (UK) Limited	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	13,313	13,313
BlackRock Advisors (UK) Limited	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	9,613	9,613
BlackRock Investment Management (UK) Limited	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	28,294	28,294
BlackRock (Singapore) Limited	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	25,374	25,374
BlackRock Asset Management Canada Limited	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	6,660	6,660
BlackRock Asset Management Canada Limited	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	21,702	21,702
BlackRock Investment Management, LLC	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	7,060	7,060
BlackRock Financial Management, Inc.	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	8,752	8,752
BlackRock Financial Management, Inc.	30-Aug-22	yes	5.29	on mkt buy	AUD	ORD	6,151	6,151
BlackRock Advisors (UK) Limited	30-Aug-22	no	n/a	collateral transfer	AUD	ORD	1,053,107	1,053,107
BlackRock Investment Management (Australia) Limited	31-Aug-22	yes	5.34	on mkt buy	AUD	ORD	53,570	53,570
BlackRock Investment Management (Australia) Limited	31-Aug-22	yes	5.34	on mkt buy	AUD	ORD	324,866	324,866
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.33	on mkt buy	AUD	ORD	1,156	1,156
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.33	on mkt buy	AUD	ORD	6,513	6,513
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.33	on mkt buy	AUD	ORD	15,160	15,160
BlackRock Advisors (UK) Limited	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	4,044	4,044
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	1,081	1,081
BlackRock Financial Management, Inc.	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	4,396	4,396
BlackRock Financial Management, Inc.	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	2,061	2,061
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	3,569	3,569
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	898	898
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	1,353	1,353
BlackRock Investment Management (UK) Limited	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	6,332	6,332
BlackRock Investment Management, LLC	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	1,245	1,245
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	10,838	10,838
BlackRock Investment Management (UK) Limited	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	14,807	14,807
BlackRock Financial Management, Inc.	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	44,059	44,059
BlackRock Financial Management, Inc.	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	20,666	20,666
BlackRock Advisors (UK) Limited	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	690	690
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	35,769	35,769
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	2,144	2,144
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	9,000	9,000
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	13,561	13,561
BlackRock Investment Management (UK) Limited	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	7,963	7,963
BlackRock Institutional Trust Company, National Association	31-Aug-22	yes	5.32	on mkt buy	AUD	ORD	1,154	1,154
BlackRock Investment Management (UK) Limited	31-Aug-22	no	n/a	in specie	AUD	ORD	31,985	31,985
BlackRock Advisors (UK) Limited	31-Aug-22	no	n/a	collateral transfer	AUD	ORD	419,851	419,851
BlackRock Institutional Trust Company, National Association	01-Sep-22	yes	5.24	on mkt buy	AUD	ORD	1,565	1,565
BlackRock Institutional Trust Company, National Association	01-Sep-22	yes	5.24	on mkt buy	AUD	ORD	9,507	9,507
BlackRock Japan Co., Ltd.	01-Sep-22	yes	5.20	on mkt buy	AUD	ORD	9,340	9,340

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Japan Co., Ltd.	01-Sep-22	yes	5.20	on mkt buy	AUD	ORD	4,626	4,626
BlackRock Japan Co., Ltd.	01-Sep-22	yes	5.20	on mkt buy	AUD	ORD	5,453	5,453
BlackRock Japan Co., Ltd.	01-Sep-22	yes	5.20	on mkt buy	AUD	ORD	3,992	3,992
BlackRock Financial Management, Inc.	01-Sep-22	yes	5.20	on mkt buy	AUD	ORD	3,498	3,498
BlackRock Investment Management (UK) Limited	01-Sep-22	yes	5.20	on mkt buy	AUD	ORD	9,650	9,650
BlackRock Institutional Trust Company, National Association	01-Sep-22	yes	5.20	on mkt buy	AUD	ORD	3,276	3,276
BlackRock Investment Management (Australia) Limited	01-Sep-22	yes	5.20	on mkt buy	AUD	ORD	94,523	94,523
BlackRock Investment Management (Australia) Limited	02-Sep-22	yes	5.27	on mkt buy	AUD	ORD	156,775	156,775
BlackRock Investment Management (Australia) Limited	02-Sep-22	yes	5.27	on mkt buy	AUD	ORD	138,428	138,428
BlackRock Institutional Trust Company, National Association	02-Sep-22	yes	5.27	on mkt buy	AUD	ORD	567	567
BlackRock Institutional Trust Company, National Association	02-Sep-22	yes	5.27	on mkt buy	AUD	ORD	3,126	3,126
BlackRock Advisors (UK) Limited	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	3,060	3,060
BlackRock Institutional Trust Company, National Association	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	5,993	5,993
BlackRock Investment Management (UK) Limited	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	2,265	2,265
BlackRock International Limited	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	9,754	9,754
BlackRock Institutional Trust Company, National Association	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	80,348	80,348
BlackRock Institutional Trust Company, National Association	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	5,199	5,199
BlackRock Advisors (UK) Limited	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	14,677	14,677
BlackRock Advisors (UK) Limited	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	10,246	10,246
BlackRock Investment Management (UK) Limited	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	17,616	17,616
BlackRock (Singapore) Limited	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	15,417	15,417
BlackRock Investment Management, LLC	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	3,330	3,330
BlackRock Financial Management, Inc.	02-Sep-22	yes	5.28	on mkt buy	AUD	ORD	4,424	4,424
BlackRock Institutional Trust Company, National Association	05-Sep-22	yes	5.13	on mkt buy	AUD	ORD	1,196	1,196
BlackRock Institutional Trust Company, National Association	05-Sep-22	yes	5.13	on mkt buy	AUD	ORD	6,130	6,130
BlackRock Institutional Trust Company, National Association	05-Sep-22	yes	5.13	on mkt buy	AUD	ORD	349	349
BlackRock Investment Management (Australia) Limited	05-Sep-22	yes	5.13	on mkt buy	AUD	ORD	61,473	61,473
BlackRock Japan Co., Ltd.	05-Sep-22	no	n/a	collateral transfer	AUD	ORD	8,074	8,074
BlackRock (Singapore) Limited	05-Sep-22	no	n/a	collateral transfer	AUD	ORD	61,798	61,798
BlackRock Financial Management, Inc.	05-Sep-22	no	n/a	collateral transfer	AUD	ORD	40,960	40,960
BlackRock Investment Management, LLC	05-Sep-22	no	n/a	collateral transfer	AUD	ORD	42,860	42,860
BlackRock Investment Management (UK) Limited	05-Sep-22	no	n/a	collateral transfer	AUD	ORD	297,911	297,911
BlackRock Asset Management North Asia Limited	05-Sep-22	no	n/a	collateral transfer	AUD	ORD	206	206
BlackRock Investment Management (Australia) Limited	06-Sep-22	yes	5.09	on mkt buy	AUD	ORD	19,220	19,220
BlackRock Investment Management (Australia) Limited	06-Sep-22	yes	5.09	on mkt buy	AUD	ORD	3,844	3,844
BlackRock Institutional Trust Company, National Association	06-Sep-22	yes	5.09	on mkt buy	AUD	ORD	12,447	12,447
BlackRock Institutional Trust Company, National Association	06-Sep-22	yes	5.09	on mkt buy	AUD	ORD	30,103	30,103
BlackRock Financial Management, Inc.	06-Sep-22	yes	5.09	on mkt buy	AUD	ORD	107,461	107,461
BlackRock Financial Management, Inc.	06-Sep-22	yes	5.09	on mkt buy	AUD	ORD	52,322	52,322
BlackRock Institutional Trust Company, National Association	06-Sep-22	yes	5.09	on mkt buy	AUD	ORD	91,877	91,877
BlackRock Advisors (UK) Limited	06-Sep-22	no	n/a	collateral transfer	AUD	ORD	2	2
BlackRock Investment Management (UK) Limited	06-Sep-22	no	n/a	collateral transfer	AUD	ORD	427,904	427,904
BlackRock Institutional Trust Company, National Association	07-Sep-22	yes	5.05	on mkt buy	AUD	ORD	5,548	5,548
BlackRock Institutional Trust Company, National Association	07-Sep-22	yes	5.05	on mkt buy	AUD	ORD	29,102	29,102

Holder of Relevant Interest	Date of Acquisition / Transaction on a prescribed financial market		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	07-Sep-22	yes	5.05	on mkt buy	AUD	ORD	1,712	1,712
BlackRock Investment Management (Australia) Limited	07-Sep-22	yes	5.04	on mkt buy	AUD	ORD	111,225	111,225
BlackRock Investment Management (Australia) Limited	07-Sep-22	yes	5.04	on mkt buy	AUD	ORD	9,747	9,747
BlackRock Financial Management, Inc.	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	13,060	13,060
BlackRock Financial Management, Inc.	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	9,230	9,230
BlackRock Institutional Trust Company, National Association	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	22,778	22,778
BLACKROCK ADVISORS, LLC	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	17,771	17,771
BlackRock Asset Management Canada Limited	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	7,772	7,772
BlackRock International Limited	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	34,412	34,412
BlackRock Institutional Trust Company, National Association	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	121,210	121,210
BlackRock Institutional Trust Company, National Association	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	25,117	25,117
BlackRock Advisors (UK) Limited	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	59,006	59,006
BlackRock Advisors (UK) Limited	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	41,013	41,013
BlackRock Investment Management (UK) Limited	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	84,548	84,548
BlackRock Investment Management (UK) Limited	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	38,687	38,687
BlackRock (Singapore) Limited	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	57,659	57,659
BlackRock Investment Management, LLC	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	6,633	6,633
BlackRock Financial Management, Inc.	07-Sep-22	yes	5.06	on mkt buy	AUD	ORD	13,331	13,331
BlackRock Japan Co., Ltd.	07-Sep-22	no	n/a	collateral transfer	AUD	ORD	7,191	7,191
BlackRock (Singapore) Limited	07-Sep-22	no	n/a	collateral transfer	AUD	ORD	61,724	61,724
BlackRock Advisors (UK) Limited	07-Sep-22	no	n/a	collateral transfer	AUD	ORD	289,941	289,941
BlackRock Financial Management, Inc.	07-Sep-22	no	n/a	collateral transfer	AUD	ORD	42,742	42,742
BlackRock Investment Management, LLC	07-Sep-22	no	n/a	collateral transfer	AUD	ORD	45,745	45,745
BlackRock Investment Management (UK) Limited	07-Sep-22	no	n/a	collateral transfer	AUD	ORD	212,719	212,719
BlackRock Asset Management North Asia Limited	07-Sep-22	no	n/a	collateral transfer	AUD	ORD	213	213
BlackRock Institutional Trust Company, National Association	08-Sep-22	yes	5.21	on mkt buy	AUD	ORD	4,439	4,439
BlackRock Institutional Trust Company, National Association	08-Sep-22	yes	5.21	on mkt buy	AUD	ORD	24,817	24,817
BlackRock Institutional Trust Company, National Association	08-Sep-22	yes	5.21	on mkt buy	AUD	ORD	604	604
BlackRock Investment Management (Australia) Limited	08-Sep-22	yes	5.22	on mkt buy	AUD	ORD	1,058	1,058
BlackRock Investment Management, LLC	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	14,143	14,143
BlackRock Institutional Trust Company, National Association	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	10,247	10,247
BlackRock Advisors (UK) Limited	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	6,542	6,542
BlackRock Investment Management (UK) Limited	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	10,859	10,859
BLACKROCK ADVISORS, LLC	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	10,582	10,582
BlackRock Japan Co., Ltd.	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	6,115	6,115
BlackRock Japan Co., Ltd.	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	96,616	96,616
BlackRock Japan Co., Ltd.	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	9,789	9,789
BlackRock Japan Co., Ltd.	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	21,460	21,460
BlackRock Japan Co., Ltd.	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	25,230	25,230
BlackRock Japan Co., Ltd.	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	27,618	27,618
BLACKROCK ADVISORS, LLC	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	25,219	25,219
BlackRock Investment Management, LLC	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	8,222	8,222
BlackRock Investment Management (UK) Limited	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	4,190	4,190
BlackRock Financial Management, Inc.	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	8,722	8,722
BlackRock Investment Management, LLC	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	14,163	14,163
BlackRock Investment Management (UK) Limited	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	8,036	8,036
BlackRock Institutional Trust Company, National Association	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	5,965	5,965
BlackRock Institutional Trust Company, National Association	08-Sep-22	yes	5.25	on mkt buy	AUD	ORD	8,376	8,376

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	08-Sep-22	no	n/a	collateral transfer	AUD	ORD	1,527,573	1,527,573
BlackRock Investment Management (Australia) Limited	09-Sep-22	yes	5.22	on mkt buy	AUD	ORD	19,977	19,977
BlackRock Institutional Trust Company, National Association	09-Sep-22	yes	5.22	on mkt buy	AUD	ORD	1,379	1,379
BlackRock Institutional Trust Company, National Association	09-Sep-22	yes	5.22	on mkt buy	AUD	ORD	10,001	10,001
BlackRock Investment Management (Australia) Limited	09-Sep-22	yes	5.24	on mkt buy	AUD	ORD	5,766	5,766
BlackRock Institutional Trust Company, National Association	09-Sep-22	yes	5.24	on mkt buy	AUD	ORD	8,320	8,320
BlackRock Institutional Trust Company, National Association	09-Sep-22	yes	5.24	on mkt buy	AUD	ORD	21,358	21,358
BlackRock Investment Management (UK) Limited	09-Sep-22	yes	5.24	on mkt buy	AUD	ORD	2,764	2,764
BlackRock Financial Management, Inc.	09-Sep-22	yes	5.24	on mkt buy	AUD	ORD	90,093	90,093
BlackRock Financial Management, Inc.	09-Sep-22	yes	5.24	on mkt buy	AUD	ORD	44,334	44,334
BlackRock Investment Management, LLC	09-Sep-22	yes	5.24	on mkt buy	AUD	ORD	2,826	2,826
BlackRock Institutional Trust Company, National Association	09-Sep-22	yes	5.24	on mkt buy	AUD	ORD	82,502	82,502
BlackRock Investment Management (UK) Limited	09-Sep-22	yes	5.24	on mkt buy	AUD	ORD	5,254	5,254
BlackRock Advisors (UK) Limited	09-Sep-22	no	n/a	collateral transfer	AUD	ORD	891,703	891,703
BlackRock Institutional Trust Company, National Association	12-Sep-22	yes	5.27	on mkt buy	AUD	ORD	337	337
BlackRock Institutional Trust Company, National Association	12-Sep-22	yes	5.27	on mkt buy	AUD	ORD	9,703	9,703
BlackRock Financial Management, Inc.	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	5,848	5,848
BlackRock Institutional Trust Company, National Association	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	18,073	18,073
BlackRock Investment Management (UK) Limited	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	9,550	9,550
BLACKROCK ADVISORS, LLC	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	12,899	12,899
BlackRock Asset Management Canada Limited	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	6,413	6,413
BlackRock International Limited	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	33,664	33,664
BlackRock Institutional Trust Company, National Association	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	139,073	139,073
BlackRock Institutional Trust Company, National Association	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	14,771	14,771
BlackRock Financial Management, Inc.	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	8,186	8,186
BlackRock Advisors (UK) Limited	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	57,702	57,702
BlackRock Advisors (UK) Limited	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	39,749	39,749
BlackRock Investment Management (UK) Limited	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	53,103	53,103
BlackRock (Singapore) Limited	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	40,447	40,447
BlackRock Investment Management, LLC	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	2,918	2,918
BlackRock Financial Management, Inc.	12-Sep-22	yes	5.28	on mkt buy	AUD	ORD	9,885	9,885
BlackRock Investment Management (UK) Limited	12-Sep-22	no	n/a	collateral transfer	AUD	ORD	1,288,598	1,288,598
BlackRock Institutional Trust Company, National Association	13-Sep-22	yes	5.30	on mkt buy	AUD	ORD	2,581	2,581
BlackRock Financial Management, Inc.	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	4,789	4,789
BlackRock Financial Management, Inc.	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	4,126	4,126
BlackRock Institutional Trust Company, National Association	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	11,822	11,822
BlackRock Investment Management (UK) Limited	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	6,454	6,454
BLACKROCK ADVISORS, LLC	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	9,046	9,046
BlackRock Asset Management Canada Limited	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	4,561	4,561
BlackRock International Limited	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	24,013	24,013
BlackRock Institutional Trust Company, National Association	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	65,105	65,105
BlackRock Institutional Trust Company, National Association	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	9,094	9,094
BlackRock Advisors (UK) Limited	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	36,711	36,711
BlackRock Advisors (UK) Limited	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	25,518	25,518
BlackRock Financial Management, Inc.	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	5,597	5,597
BlackRock Investment Management (UK) Limited	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	38,301	38,301
BlackRock (Singapore) Limited	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	24,200	24,200
BlackRock Financial Management, Inc.	13-Sep-22	yes	5.31	on mkt buy	AUD	ORD	6,252	6,252

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Fund Advisors	14-Sep-22	no	n/a	in specie	AUD	ORD	2,975	2,975
BlackRock Investment Management (Australia) Limited	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	85,617	85,617
BlackRock Investment Management (Australia) Limited	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	11,295	11,295
BlackRock Institutional Trust Company, National Association	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	2,810	2,810
BlackRock Institutional Trust Company, National Association	14-Sep-22	yes	5.24	on mkt buy	AUD	ORD	59,515	59,515
BlackRock Institutional Trust Company, National Association	14-Sep-22	yes	5.24	on mkt buy	AUD	ORD	20,160	20,160
BlackRock Institutional Trust Company, National Association	14-Sep-22	yes	5.24	on mkt buy	AUD	ORD	20,094	20,094
BlackRock Investment Management (Australia) Limited	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	5,766	5,766
BlackRock Fund Advisors	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	27,505	27,505
BlackRock Institutional Trust Company, National Association	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	10,847	10,847
BlackRock Financial Management, Inc.	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	81,198	81,198
BlackRock Financial Management, Inc.	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	37,985	37,985
BlackRock Institutional Trust Company, National Association	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	74,275	74,275
BlackRock Investment Management (UK) Limited	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	18,399	18,399
BlackRock Institutional Trust Company, National Association	14-Sep-22	yes	5.23	on mkt buy	AUD	ORD	23,682	23,682
BlackRock Advisors (UK) Limited	14-Sep-22	no	n/a	collateral transfer	AUD	ORD	527,685	527,685
BlackRock Institutional Trust Company, National Association	15-Sep-22	yes	5.33	on mkt buy	AUD	ORD	353	353
BlackRock Institutional Trust Company, National Association	15-Sep-22	yes	5.33	on mkt buy	AUD	ORD	1,673	1,673
BlackRock Investment Management, LLC	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	4,865	4,865
BlackRock Institutional Trust Company, National Association	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	4,079	4,079
BlackRock Advisors (UK) Limited	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	3,820	3,820
BlackRock Japan Co., Ltd.	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	2,832	2,832
BlackRock Japan Co., Ltd.	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	42,319	42,319
BlackRock Japan Co., Ltd.	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	17,607	17,607
BlackRock Japan Co., Ltd.	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	7,132	7,132
BlackRock Japan Co., Ltd.	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	8,387	8,387
BlackRock Japan Co., Ltd.	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	11,345	11,345
BlackRock Financial Management, Inc.	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	3,793	3,793
BlackRock Investment Management (UK) Limited	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	7,034	7,034
BlackRock Institutional Trust Company, National Association	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	3,853	3,853
BlackRock Institutional Trust Company, National Association	15-Sep-22	yes	5.35	on mkt buy	AUD	ORD	3,668	3,668
BlackRock Fund Advisors	16-Sep-22	no	n/a	in specie	AUD	ORD	2,414	2,414
BlackRock Institutional Trust Company, National Association	16-Sep-22	yes	5.31	on mkt buy	AUD	ORD	514	514
BlackRock Institutional Trust Company, National Association	16-Sep-22	yes	5.31	on mkt buy	AUD	ORD	2,823	2,823
BlackRock Investment Management (Australia) Limited	16-Sep-22	yes	5.31	on mkt buy	AUD	ORD	4,304	4,304
BlackRock Investment Management (UK) Limited	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	64,980	64,980
BlackRock Investment Management (Australia) Limited	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	20,188	20,188
BlackRock Asset Management North Asia Limited	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	11,096	11,096
BlackRock Investment Management (UK) Limited	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	8,417	8,417
BlackRock International Limited	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	6,500	6,500
BlackRock Institutional Trust Company, National Association	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	4,816	4,816
BlackRock Financial Management, Inc.	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	4,651	4,651
BlackRock Advisors (UK) Limited	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	8,480	8,480
BlackRock Advisors (UK) Limited	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	5,474	5,474
BlackRock Investment Management (UK) Limited	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	18,584	18,584
BlackRock (Singapore) Limited	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	16,288	16,288
BlackRock Financial Management, Inc.	16-Sep-22	yes	5.30	on mkt buy	AUD	ORD	7,140	7,140

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (UK) Limited	16-Sep-22	no	n/a	collateral transfer	AUD	ORD	80,763	80,763
BlackRock Investment Management (Australia) Limited	19-Sep-22	yes	5.25	on mkt buy	AUD	ORD	5,742	5,742
BlackRock Financial Management, Inc.	19-Sep-22	yes	5.25	on mkt buy	AUD	ORD	59,248	59,248
BlackRock Financial Management, Inc.	19-Sep-22	yes	5.25	on mkt buy	AUD	ORD	26,777	26,777
BlackRock Institutional Trust Company, National Association	19-Sep-22	yes	5.25	on mkt buy	AUD	ORD	53,747	53,747
BlackRock Fund Advisors	19-Sep-22	no	n/a	in specie	AUD	ORD	25,361	25,361
BlackRock Institutional Trust Company, National Association	20-Sep-22	yes	5.29	on mkt buy	AUD	ORD	759	759
BlackRock Investment Management (UK) Limited	20-Sep-22	yes	5.28	on mkt buy	AUD	ORD	3,033	3,033
BlackRock Advisors (UK) Limited	20-Sep-22	no	n/a	collateral transfer	AUD	ORD	114,353	114,353
BlackRock Fund Advisors	21-Sep-22	no	n/a	in specie	AUD	ORD	4,144	4,144
BlackRock Institutional Trust Company, National Association	21-Sep-22	yes	5.25	on mkt buy	AUD	ORD	21,979	21,979
BlackRock Institutional Trust Company, National Association	21-Sep-22	yes	5.25	on mkt buy	AUD	ORD	661	661
BlackRock Institutional Trust Company, National Association	21-Sep-22	yes	5.25	on mkt buy	AUD	ORD	772	772
BlackRock Investment Management (Australia) Limited	21-Sep-22	yes	5.25	on mkt buy	AUD	ORD	15,243	15,243
BlackRock Investment Management (Australia) Limited	21-Sep-22	yes	5.25	on mkt buy	AUD	ORD	7,374	7,374
BlackRock Advisors (UK) Limited	21-Sep-22	yes	5.24	on mkt buy	AUD	ORD	1,196	1,196
BlackRock Advisors (UK) Limited	21-Sep-22	yes	5.24	on mkt buy	AUD	ORD	468	468
BlackRock Financial Management, Inc.	21-Sep-22	yes	5.24	on mkt buy	AUD	ORD	35,789	35,789
BlackRock Financial Management, Inc.	21-Sep-22	yes	5.24	on mkt buy	AUD	ORD	16,011	16,011
BlackRock Institutional Trust Company, National Association	21-Sep-22	yes	5.24	on mkt buy	AUD	ORD	31,708	31,708
BlackRock Advisors (UK) Limited	21-Sep-22	no	n/a	collateral transfer	AUD	ORD	72,834	72,834
BlackRock Investment Management (UK) Limited	21-Sep-22	no	n/a	collateral transfer	AUD	ORD	114,353	114,353
BlackRock Fund Advisors	22-Sep-22	no	n/a	in specie	AUD	ORD	2,945	2,945
BlackRock Fund Advisors	22-Sep-22	no	n/a	in specie	AUD	ORD	2,356	2,356
BlackRock Advisors (UK) Limited	22-Sep-22	no	n/a	collateral transfer	AUD	ORD	114,353	114,353
BlackRock Fund Advisors	23-Sep-22	no	n/a	in specie	AUD	ORD	5,232	5,232
BlackRock Institutional Trust Company, National Association	23-Sep-22	yes	5.12	on mkt buy	AUD	ORD	1,080	1,080
BlackRock Advisors (UK) Limited	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	460	460
BlackRock Institutional Trust Company, National Association	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	5,557	5,557
BlackRock Investment Management (UK) Limited	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	4,330	4,330
BLACKROCK ADVISORS, LLC	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	4,433	4,433
BlackRock International Limited	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	14,367	14,367
BlackRock Institutional Trust Company, National Association	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	5,983	5,983
BlackRock Advisors (UK) Limited	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	19,312	19,312
BlackRock Advisors (UK) Limited	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	13,241	13,241
BlackRock Investment Management (UK) Limited	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	21,479	21,479
BlackRock Investment Management (UK) Limited	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	2,866	2,866
BlackRock (Singapore) Limited	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	15,745	15,745
BlackRock Financial Management, Inc.	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	7,745	7,745
BlackRock Financial Management, Inc.	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	6,832	6,832
BlackRock Institutional Trust Company, National Association	23-Sep-22	yes	5.14	on mkt buy	AUD	ORD	2,429	2,429
BlackRock Advisors (UK) Limited	23-Sep-22	no	n/a	collateral transfer	AUD	ORD	80,188	80,188
BlackRock Financial Management, Inc.	23-Sep-22	no	n/a	collateral transfer	AUD	ORD	2	2
BlackRock Investment Management, LLC	23-Sep-22	no	n/a	collateral transfer	AUD	ORD	105,275	105,275
BlackRock Investment Management (UK) Limited	23-Sep-22	no	n/a	collateral transfer	AUD	ORD	81,817	81,817
BlackRock Institutional Trust Company, National Association	26-Sep-22	yes	5.06	on mkt buy	AUD	ORD	463	463
BlackRock Institutional Trust Company, National Association	26-Sep-22	yes	5.06	on mkt buy	AUD	ORD	2,076	2,076

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	5.06	on mkt buy	AUD	ORD	7,656	7,656
BlackRock Advisors (UK) Limited	26-Sep-22	yes	5.06	on mkt buy	AUD	ORD	2,066	2,066
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	5.06	on mkt buy	AUD	ORD	19,011	19,011
BlackRock Investment Management (Australia) Limited	26-Sep-22	yes	5.06	on mkt buy	AUD	ORD	1,438	1,438
BlackRock Advisors (UK) Limited	26-Sep-22	no	n/a	collateral transfer	AUD	ORD	187,182	187,182
BlackRock Investment Management (UK) Limited	27-Sep-22	yes	5.12	on mkt buy	AUD	ORD	5,103	5,103
BlackRock Advisors (UK) Limited	27-Sep-22	yes	5.12	on mkt buy	AUD	ORD	40,944	40,944
BlackRock Institutional Trust Company, National Association	27-Sep-22	yes	5.12	on mkt buy	AUD	ORD	16,845	16,845
BlackRock Fund Advisors	27-Sep-22	yes	5.12	on mkt buy	AUD	ORD	48,787	48,787
BlackRock Institutional Trust Company, National Association	27-Sep-22	yes	5.12	on mkt buy	AUD	ORD	26,445	26,445
BlackRock Fund Advisors	27-Sep-22	yes	5.12	on mkt buy	AUD	ORD	21,878	21,878
BlackRock Japan Co., Ltd.	27-Sep-22	no	n/a	collateral transfer	AUD	ORD	412,912	412,912
BlackRock (Singapore) Limited	27-Sep-22	no	n/a	collateral transfer	AUD	ORD	956	956
BlackRock Capital Management, Inc.	27-Sep-22	no	n/a	collateral transfer	AUD	ORD	228	228
BlackRock Financial Management, Inc.	27-Sep-22	no	n/a	collateral transfer	AUD	ORD	35,751	35,751
BlackRock Investment Management (UK) Limited	27-Sep-22	no	n/a	collateral transfer	AUD	ORD	200,887	200,887
BlackRock Investment Management (Australia) Limited	28-Sep-22	yes	5.15	on mkt buy	AUD	ORD	13,398	13,398
BlackRock Investment Management (UK) Limited	28-Sep-22	yes	5.15	on mkt buy	AUD	ORD	18,587	18,587
BlackRock Advisors (UK) Limited	28-Sep-22	yes	5.15	on mkt buy	AUD	ORD	129	129
BlackRock (Singapore) Limited	28-Sep-22	no	n/a	collateral transfer	AUD	ORD	6	6
BlackRock Fund Advisors	29-Sep-22	no	n/a	in specie	AUD	ORD	5,272	5,272
BlackRock Fund Advisors	29-Sep-22	no	n/a	in specie	AUD	ORD	2,636	2,636
BlackRock Fund Advisors	29-Sep-22	no	n/a	in specie	AUD	ORD	2,930	2,930
BlackRock Investment Management (UK) Limited	29-Sep-22	yes	5.24	on mkt buy	AUD	ORD	4,498	4,498
BlackRock Fund Advisors	30-Sep-22	no	n/a	in specie	AUD	ORD	5,020	5,020
BlackRock Investment Management (Australia) Limited	30-Sep-22	yes	5.02	on mkt buy	AUD	ORD	7,656	7,656
BlackRock Advisors (UK) Limited	30-Sep-22	yes	5.02	on mkt buy	AUD	ORD	202	202
BlackRock Advisors (UK) Limited	30-Sep-22	yes	5.02	on mkt buy	AUD	ORD	15,176	15,176
BlackRock Fund Advisors	30-Sep-22	yes	5.02	on mkt buy	AUD	ORD	29,987	29,987
BlackRock Institutional Trust Company, National Association	30-Sep-22	yes	5.02	on mkt buy	AUD	ORD	10,286	10,286
BlackRock Investment Management (Australia) Limited	30-Sep-22	yes	5.02	on mkt buy	AUD	ORD	10,129	10,129
BlackRock Institutional Trust Company, National Association	30-Sep-22	yes	5.02	on mkt buy	AUD	ORD	1,193	1,193
BlackRock Institutional Trust Company, National Association	30-Sep-22	no	n/a	in specie	AUD	ORD	520,778	520,778
BlackRock Advisors (UK) Limited	30-Sep-22	no	n/a	collateral transfer	AUD	ORD	293,064	293,064
BlackRock Fund Advisors	03-Oct-22	no	n/a	in specie	AUD	ORD	2,970	2,970
BlackRock Advisors (UK) Limited	03-Oct-22	yes	5.00	on mkt buy	AUD	ORD	9,977	9,977
BlackRock Institutional Trust Company, National Association	03-Oct-22	yes	4.97	on mkt buy	AUD	ORD	9,769	9,769
BlackRock Advisors (UK) Limited	03-Oct-22	yes	4.98	on mkt buy	AUD	ORD	4,132	4,132
BlackRock Investment Management (UK) Limited	03-Oct-22	yes	4.98	on mkt buy	AUD	ORD	4,389	4,389
BlackRock Financial Management, Inc.	03-Oct-22	yes	4.98	on mkt buy	AUD	ORD	482	482
BlackRock Institutional Trust Company, National Association	03-Oct-22	yes	4.98	on mkt buy	AUD	ORD	2,361	2,361
BlackRock Investment Management, LLC	03-Oct-22	yes	4.98	on mkt buy	AUD	ORD	4,477	4,477
BlackRock Investment Management (Australia) Limited	03-Oct-22	yes	4.98	on mkt buy	AUD	ORD	21,920	21,920
BlackRock Investment Management (UK) Limited	03-Oct-22	no	n/a	collateral transfer	AUD	ORD	88,540	88,540
BlackRock Fund Advisors	04-Oct-22	no	n/a	in specie	AUD	ORD	3,912	3,912
BlackRock Fund Advisors	04-Oct-22	no	n/a	in specie	AUD	ORD	2,608	2,608
BlackRock Investment Management (Australia) Limited	04-Oct-22	yes	5.17	on mkt buy	AUD	ORD	13,398	13,398

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	04-Oct-22	yes	5.17	on mkt buy	AUD	ORD	156	156
BlackRock Institutional Trust Company, National Association	04-Oct-22	yes	5.17	on mkt buy	AUD	ORD	5,369	5,369
BlackRock Investment Management (UK) Limited	04-Oct-22	yes	5.17	on mkt buy	AUD	ORD	3,095	3,095
BlackRock International Limited	04-Oct-22	yes	5.17	on mkt buy	AUD	ORD	8,651	8,651
BlackRock Advisors (UK) Limited	04-Oct-22	yes	5.17	on mkt buy	AUD	ORD	13,620	13,620
BlackRock Advisors (UK) Limited	04-Oct-22	yes	5.17	on mkt buy	AUD	ORD	9,782	9,782
BlackRock Financial Management, Inc.	04-Oct-22	yes	5.17	on mkt buy	AUD	ORD	6,820	6,820
BlackRock Advisors (UK) Limited	04-Oct-22	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Fund Advisors	05-Oct-22	no	n/a	in specie	AUD	ORD	2,364	2,364
BlackRock Investment Management (Australia) Limited	05-Oct-22	yes	5.28	on mkt buy	AUD	ORD	9,601	9,601
BlackRock Investment Management (Australia) Limited	05-Oct-22	yes	5.28	on mkt buy	AUD	ORD	20,775	20,775
BlackRock Japan Co., Ltd.	05-Oct-22	yes	5.29	on mkt buy	AUD	ORD	85,544	85,544
BlackRock Financial Management, Inc.	05-Oct-22	yes	5.30	on mkt buy	AUD	ORD	10,823	10,823
BlackRock Advisors (UK) Limited	05-Oct-22	yes	5.30	on mkt buy	AUD	ORD	1,099	1,099
BlackRock Advisors (UK) Limited	05-Oct-22	yes	5.30	on mkt buy	AUD	ORD	785	785
BlackRock Advisors (UK) Limited	05-Oct-22	yes	5.30	on mkt buy	AUD	ORD	314	314
BlackRock Advisors (UK) Limited	05-Oct-22	yes	5.30	on mkt buy	AUD	ORD	59,341	59,341
BlackRock Japan Co., Ltd.	05-Oct-22	no	n/a	collateral transfer	AUD	ORD	18,025	18,025
BlackRock (Singapore) Limited	05-Oct-22	no	n/a	collateral transfer	AUD	ORD	28,507	28,507
BlackRock Advisors (UK) Limited	05-Oct-22	no	n/a	collateral transfer	AUD	ORD	1,838,287	1,838,287
BlackRock Investment Management, LLC	05-Oct-22	no	n/a	collateral transfer	AUD	ORD	279,026	279,026
BlackRock Investment Management (UK) Limited	05-Oct-22	no	n/a	collateral transfer	AUD	ORD	1,098,804	1,098,804
BlackRock Fund Advisors	06-Oct-22	yes	5.31	on mkt buy	AUD	ORD	189,363	189,363
BlackRock Financial Management, Inc.	06-Oct-22	no	n/a	collateral transfer	AUD	ORD	31,906	31,906
BlackRock Fund Advisors	07-Oct-22	no	n/a	in specie	AUD	ORD	4,956	4,956
BlackRock Advisors (UK) Limited	07-Oct-22	yes	5.35	on mkt buy	AUD	ORD	2,118	2,118
BlackRock Advisors (UK) Limited	07-Oct-22	yes	5.35	on mkt buy	AUD	ORD	160	160
BlackRock Advisors (UK) Limited	07-Oct-22	yes	5.35	on mkt buy	AUD	ORD	1,760	1,760
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	5.35	on mkt buy	AUD	ORD	11,743	11,743
BlackRock Investment Management (Australia) Limited	07-Oct-22	yes	5.35	on mkt buy	AUD	ORD	30,657	30,657
BlackRock Advisors (UK) Limited	07-Oct-22	no	n/a	in specie	AUD	ORD	35,120	35,120
BlackRock Investment Management, LLC	10-Oct-22	yes	5.20	on mkt buy	AUD	ORD	13,093	13,093
BlackRock Institutional Trust Company, National Association	10-Oct-22	yes	5.20	on mkt buy	AUD	ORD	2,464	2,464
BlackRock Advisors (UK) Limited	10-Oct-22	no	n/a	collateral transfer	AUD	ORD	36,444	36,444
BlackRock Investment Management (UK) Limited	10-Oct-22	no	n/a	collateral transfer	AUD	ORD	62,017	62,017
BlackRock Investment Management (UK) Limited	11-Oct-22	yes	5.27	on mkt buy	AUD	ORD	1,432,839	1,432,839
BlackRock Investment Management (Australia) Limited	11-Oct-22	yes	5.26	on mkt buy	AUD	ORD	13,884	13,884
BlackRock Investment Management (UK) Limited	11-Oct-22	yes	5.29	on mkt buy	AUD	ORD	30,182	30,182
BlackRock Fund Advisors	11-Oct-22	no	n/a	in specie	AUD	ORD	2,960	2,960
BlackRock Advisors (UK) Limited	11-Oct-22	yes	5.24	on mkt buy	AUD	ORD	303	303
BlackRock Institutional Trust Company, National Association	11-Oct-22	yes	5.24	on mkt buy	AUD	ORD	31,723	31,723
BlackRock Fund Advisors	11-Oct-22	no	n/a	in specie	AUD	ORD	4,016	4,016
BlackRock Advisors (UK) Limited	11-Oct-22	no	n/a	collateral transfer	AUD	ORD	48,147	48,147
BlackRock Investment Management (UK) Limited	11-Oct-22	no	n/a	collateral transfer	AUD	ORD	1,135,330	1,135,330
BlackRock (Singapore) Limited	12-Oct-22	no	n/a	collateral transfer	AUD	ORD	2	2
BlackRock Advisors (UK) Limited	12-Oct-22	no	n/a	collateral transfer	AUD	ORD	118,221	118,221
BlackRock Investment Management, LLC	12-Oct-22	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Fund Advisors	13-Oct-22	no	n/a	in specie	AUD	ORD	5,960	5,960
BlackRock Investment Management (Australia) Limited	13-Oct-22	yes	5.68	on mkt buy	AUD	ORD	25,891	25,891

Holder of Relevant Interest	Date of Acquisition / Transaction on a prescribed financial market		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	13-Oct-22	yes	5.62	on mkt buy	AUD	ORD	930	930
BlackRock Japan Co., Ltd.	13-Oct-22	yes	5.62	on mkt buy	AUD	ORD	9,884	9,884
BlackRock Japan Co., Ltd.	13-Oct-22	no	n/a	collateral transfer	AUD	ORD	13	13
BlackRock Advisors (UK) Limited	13-Oct-22	no	n/a	collateral transfer	AUD	ORD	610,504	610,504
BlackRock Financial Management, Inc.	13-Oct-22	no	n/a	collateral transfer	AUD	ORD	62,005	62,005
BlackRock Investment Management (UK) Limited	13-Oct-22	no	n/a	collateral transfer	AUD	ORD	12,701	12,701
BlackRock Advisors (UK) Limited	14-Oct-22	yes	5.80	on mkt buy	AUD	ORD	1,240	1,240
BlackRock Japan Co., Ltd.	14-Oct-22	no	n/a	collateral transfer	AUD	ORD	1,715	1,715
BlackRock (Singapore) Limited	14-Oct-22	no	n/a	collateral transfer	AUD	ORD	9,442	9,442
BlackRock Advisors (UK) Limited	14-Oct-22	no	n/a	collateral transfer	AUD	ORD	73,362	73,362
BlackRock Investment Management, LLC	14-Oct-22	no	n/a	collateral transfer	AUD	ORD	60,475	60,475
BlackRock Investment Management (UK) Limited	14-Oct-22	no	n/a	collateral transfer	AUD	ORD	57,421	57,421
BlackRock Asset Management North Asia Limited	14-Oct-22	no	n/a	collateral transfer	AUD	ORD	3,628	3,628
BlackRock Fund Advisors	17-Oct-22	no	n/a	in specie	AUD	ORD	6,275	6,275
BlackRock Japan Co., Ltd.	17-Oct-22	no	n/a	collateral transfer	AUD	ORD	85	85
BlackRock (Singapore) Limited	17-Oct-22	no	n/a	collateral transfer	AUD	ORD	5,236	5,236
BlackRock Advisors (UK) Limited	17-Oct-22	no	n/a	collateral transfer	AUD	ORD	294,064	294,064
BlackRock Financial Management, Inc.	17-Oct-22	no	n/a	collateral transfer	AUD	ORD	526,487	526,487
BlackRock Investment Management, LLC	17-Oct-22	no	n/a	collateral transfer	AUD	ORD	2,257	2,257
BlackRock Investment Management (UK) Limited	17-Oct-22	no	n/a	collateral transfer	AUD	ORD	59,306	59,306
BlackRock Asset Management North Asia Limited	17-Oct-22	no	n/a	collateral transfer	AUD	ORD	209	209
BlackRock Fund Advisors	18-Oct-22	no	n/a	in specie	AUD	ORD	880	880
BlackRock Advisors (UK) Limited	18-Oct-22	no	n/a	collateral transfer	AUD	ORD	1,205,984	1,205,984
BlackRock Investment Management, LLC	18-Oct-22	no	n/a	collateral transfer	AUD	ORD	7,322	7,322
BlackRock Fund Advisors	19-Oct-22	no	n/a	in specie	AUD	ORD	2,590	2,590
BlackRock Fund Advisors	19-Oct-22	no	n/a	in specie	AUD	ORD	3,108	3,108
BlackRock Advisors (UK) Limited	19-Oct-22	yes	6.00	on mkt buy	AUD	ORD	1,848	1,848
BlackRock Advisors (UK) Limited	19-Oct-22	yes	6.00	on mkt buy	AUD	ORD	1,026	1,026
BlackRock Japan Co., Ltd.	19-Oct-22	no	n/a	collateral transfer	AUD	ORD	70	70
BlackRock (Singapore) Limited	19-Oct-22	no	n/a	collateral transfer	AUD	ORD	573	573
BlackRock Investment Management, LLC	19-Oct-22	no	n/a	collateral transfer	AUD	ORD	3,503	3,503
BlackRock Asset Management North Asia Limited	19-Oct-22	no	n/a	collateral transfer	AUD	ORD	179	179
BlackRock Fund Advisors	20-Oct-22	no	n/a	in specie	AUD	ORD	2,440	2,440
BlackRock Fund Advisors	20-Oct-22	no	n/a	in specie	AUD	ORD	7,320	7,320
BlackRock Fund Advisors	20-Oct-22	no	n/a	in specie	AUD	ORD	6,100	6,100
BlackRock Advisors (UK) Limited	20-Oct-22	yes	6.02	on mkt buy	AUD	ORD	770	770
BlackRock Advisors (UK) Limited	20-Oct-22	yes	6.02	on mkt buy	AUD	ORD	750	750
BlackRock Advisors (UK) Limited	20-Oct-22	yes	6.02	on mkt buy	AUD	ORD	396	396
BlackRock Fund Advisors	20-Oct-22	no	n/a	in specie	AUD	ORD	3,660	3,660
BlackRock Asset Management Canada Limited	21-Oct-22	yes	5.97	on mkt buy	AUD	ORD	8,794	8,794
BlackRock Fund Advisors	21-Oct-22	no	n/a	in specie	AUD	ORD	6,655	6,655
BlackRock Investment Management (UK) Limited	21-Oct-22	yes	5.84	on mkt buy	AUD	ORD	98,461	98,461
BlackRock Institutional Trust Company, National Association	21-Oct-22	yes	5.84	on mkt buy	AUD	ORD	12,505	12,505
BlackRock Financial Management, Inc.	21-Oct-22	yes	5.84	on mkt buy	AUD	ORD	25,783	25,783
BlackRock Financial Management, Inc.	21-Oct-22	yes	5.84	on mkt buy	AUD	ORD	11,816	11,816
BlackRock Institutional Trust Company, National Association	21-Oct-22	yes	5.84	on mkt buy	AUD	ORD	23,564	23,564
BlackRock Financial Management, Inc.	21-Oct-22	no	n/a	collateral transfer	AUD	ORD	62,014	62,014

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Fund Advisors	24-Oct-22	no	n/a	in specie	AUD	ORD	6,660	6,660
BlackRock Institutional Trust Company, National Association	24-Oct-22	yes	5.96	on mkt buy	AUD	ORD	14,729	14,729
BlackRock Institutional Trust Company, National Association	24-Oct-22	yes	5.86	on mkt buy	AUD	ORD	1,002	1,002
BlackRock Institutional Trust Company, National Association	24-Oct-22	yes	5.86	on mkt buy	AUD	ORD	2,468	2,468
BlackRock Investment Management (Australia) Limited	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	19,100	19,100
BlackRock Advisors (UK) Limited	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	500	500
BlackRock Advisors (UK) Limited	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	95	95
BlackRock Institutional Trust Company, National Association	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	5,819	5,819
BlackRock Investment Management (UK) Limited	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	4,013	4,013
BLACKROCK ADVISORS, LLC	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	6,197	6,197
BlackRock International Limited	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	8,224	8,224
BlackRock Institutional Trust Company, National Association	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	44,865	44,865
BlackRock Institutional Trust Company, National Association	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	7,811	7,811
BlackRock Institutional Trust Company, National Association	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	5,203	5,203
BlackRock Advisors (UK) Limited	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	19,311	19,311
BlackRock Advisors (UK) Limited	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	11,800	11,800
BlackRock Investment Management (UK) Limited	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	16,984	16,984
BlackRock (Singapore) Limited	24-Oct-22	yes	5.83	on mkt buy	AUD	ORD	10,561	10,561
BlackRock Advisors (UK) Limited	24-Oct-22	no	n/a	collateral transfer	AUD	ORD	4,241,200	4,241,200
BlackRock Investment Management (Australia) Limited	25-Oct-22	yes	5.93	on mkt buy	AUD	ORD	5,112	5,112
BLACKROCK ADVISORS, LLC	25-Oct-22	yes	5.93	on mkt buy	AUD	ORD	132,987	132,987
BlackRock Institutional Trust Company, National Association	25-Oct-22	yes	5.93	on mkt buy	AUD	ORD	14,875	14,875
BLACKROCK ADVISORS, LLC	25-Oct-22	yes	5.93	on mkt buy	AUD	ORD	1,033	1,033
BLACKROCK ADVISORS, LLC	25-Oct-22	yes	5.93	on mkt buy	AUD	ORD	31,960	31,960
BlackRock Investment Management, LLC	25-Oct-22	yes	5.93	on mkt buy	AUD	ORD	21,429	21,429
BlackRock (Singapore) Limited	25-Oct-22	yes	5.93	on mkt buy	AUD	ORD	101,799	101,799
BlackRock Investment Management (Australia) Limited	25-Oct-22	yes	5.93	on mkt buy	AUD	ORD	2,095	2,095
BlackRock Investment Management, LLC	25-Oct-22	yes	5.93	on mkt buy	AUD	ORD	14,698	14,698
BlackRock Fund Advisors	25-Oct-22	no	n/a	in specie	AUD	ORD	2,008	2,008
BlackRock Advisors (UK) Limited	25-Oct-22	yes	5.94	on mkt buy	AUD	ORD	924	924
BlackRock Investment Management (UK) Limited	25-Oct-22	yes	5.94	on mkt buy	AUD	ORD	2,956	2,956
BlackRock Institutional Trust Company, National Association	25-Oct-22	yes	5.94	on mkt buy	AUD	ORD	30,253	30,253
BlackRock Institutional Trust Company, National Association	25-Oct-22	yes	5.94	on mkt buy	AUD	ORD	3,484	3,484
BlackRock (Singapore) Limited	25-Oct-22	yes	5.94	on mkt buy	AUD	ORD	6,701	6,701
BlackRock Japan Co., Ltd.	25-Oct-22	no	n/a	collateral transfer	AUD	ORD	679	679
BlackRock (Singapore) Limited	25-Oct-22	no	n/a	collateral transfer	AUD	ORD	952	952
BlackRock Financial Management, Inc.	25-Oct-22	no	n/a	collateral transfer	AUD	ORD	346	346
BlackRock Investment Management, LLC	25-Oct-22	no	n/a	collateral transfer	AUD	ORD	12,701	12,701
BlackRock Investment Management (UK) Limited	25-Oct-22	no	n/a	collateral transfer	AUD	ORD	30,441	30,441
BlackRock Asset Management North Asia Limited	25-Oct-22	no	n/a	collateral transfer	AUD	ORD	49	49
BlackRock Advisors (UK) Limited	26-Oct-22	yes	5.86	on mkt buy	AUD	ORD	1,672	1,672
BlackRock Investment Management, LLC	26-Oct-22	yes	5.86	on mkt buy	AUD	ORD	1,547	1,547
BlackRock Advisors (UK) Limited	26-Oct-22	no	n/a	collateral transfer	AUD	ORD	2,261,284	2,261,284
BlackRock Investment Management (Australia) Limited	27-Oct-22	yes	5.85	on mkt buy	AUD	ORD	14,033	14,033
BlackRock Fund Advisors	27-Oct-22	no	n/a	in specie	AUD	ORD	6,365	6,365
BlackRock Advisors (UK) Limited	27-Oct-22	yes	5.83	on mkt buy	AUD	ORD	1,764	1,764
BlackRock Japan Co., Ltd.	27-Oct-22	yes	5.83	on mkt buy	AUD	ORD	9,648	9,648
BlackRock Japan Co., Ltd.	27-Oct-22	yes	5.83	on mkt buy	AUD	ORD	3,944	3,944
BlackRock Investment Management (UK) Limited	27-Oct-22	no	n/a	collateral transfer	AUD	ORD	2	2

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Fund Advisors	28-Oct-22	no	n/a	in specie	AUD	ORD	3,684	3,684
BlackRock Advisors (UK) Limited	28-Oct-22	yes	5.76	on mkt buy	AUD	ORD	4,218	4,218
BlackRock Advisors (UK) Limited	28-Oct-22	yes	5.76	on mkt buy	AUD	ORD	775	775
BlackRock Japan Co., Ltd.	28-Oct-22	no	n/a	collateral transfer	AUD	ORD	2,566	2,566
BlackRock (Singapore) Limited	28-Oct-22	no	n/a	collateral transfer	AUD	ORD	20,614	20,614
BlackRock Financial Management, Inc.	28-Oct-22	no	n/a	collateral transfer	AUD	ORD	10,229	10,229
BlackRock Investment Management, LLC	28-Oct-22	no	n/a	collateral transfer	AUD	ORD	18,555	18,555
BlackRock Investment Management (UK) Limited	28-Oct-22	no	n/a	collateral transfer	AUD	ORD	107,459	107,459
BlackRock Asset Management North Asia Limited	28-Oct-22	no	n/a	collateral transfer	AUD	ORD	4,889	4,889
BlackRock Fund Advisors	31-Oct-22	no	n/a	in specie	AUD	ORD	4,600	4,600
BlackRock Fund Advisors	31-Oct-22	no	n/a	in specie	AUD	ORD	1,008	1,008
BlackRock Institutional Trust Company, National Association	31-Oct-22	yes	5.84	on mkt buy	AUD	ORD	21,760	21,760
BlackRock Institutional Trust Company, National Association	31-Oct-22	yes	5.84	on mkt buy	AUD	ORD	11,797	11,797
BlackRock Institutional Trust Company, National Association	31-Oct-22	yes	5.84	on mkt buy	AUD	ORD	11,350	11,350
BlackRock Advisors (UK) Limited	31-Oct-22	yes	5.84	on mkt buy	AUD	ORD	2,109	2,109
BlackRock Advisors (UK) Limited	31-Oct-22	yes	5.84	on mkt buy	AUD	ORD	4,218	4,218
BlackRock Advisors (UK) Limited	31-Oct-22	yes	5.84	on mkt buy	AUD	ORD	608	608
BlackRock Advisors (UK) Limited	31-Oct-22	yes	5.84	on mkt buy	AUD	ORD	26,725	26,725
BlackRock Investment Management (UK) Limited	31-Oct-22	yes	5.84	on mkt buy	AUD	ORD	2,075	2,075
BlackRock Advisors (UK) Limited	31-Oct-22	no	n/a	collateral transfer	AUD	ORD	1,430,670	1,430,670
BlackRock Fund Advisors	01-Nov-22	no	n/a	in specie	AUD	ORD	2,352	2,352
BLACKROCK ADVISORS, LLC	01-Nov-22	yes	5.90	on mkt buy	AUD	ORD	102,953	102,953
BlackRock Institutional Trust Company, National Association	01-Nov-22	yes	5.90	on mkt buy	AUD	ORD	11,551	11,551
BLACKROCK ADVISORS, LLC	01-Nov-22	yes	5.90	on mkt buy	AUD	ORD	803	803
BLACKROCK ADVISORS, LLC	01-Nov-22	yes	5.90	on mkt buy	AUD	ORD	24,848	24,848
BlackRock Investment Management, LLC	01-Nov-22	yes	5.90	on mkt buy	AUD	ORD	16,663	16,663
BlackRock (Singapore) Limited	01-Nov-22	yes	5.90	on mkt buy	AUD	ORD	79,107	79,107
BlackRock Investment Management (Australia) Limited	01-Nov-22	yes	5.90	on mkt buy	AUD	ORD	1,633	1,633
BlackRock Investment Management, LLC	01-Nov-22	yes	5.90	on mkt buy	AUD	ORD	11,445	11,445
BlackRock Fund Advisors	01-Nov-22	no	n/a	in specie	AUD	ORD	2,320	2,320
BlackRock Investment Management (Australia) Limited	01-Nov-22	yes	5.95	on mkt buy	AUD	ORD	4,635	4,635
BlackRock Advisors (UK) Limited	01-Nov-22	yes	6.00	on mkt buy	AUD	ORD	4,218	4,218
BlackRock Institutional Trust Company, National Association	01-Nov-22	yes	6.00	on mkt buy	AUD	ORD	15,465	15,465
BlackRock Financial Management, Inc.	01-Nov-22	yes	6.00	on mkt buy	AUD	ORD	29,929	29,929
BlackRock Financial Management, Inc.	01-Nov-22	yes	6.00	on mkt buy	AUD	ORD	14,965	14,965
BlackRock Institutional Trust Company, National Association	01-Nov-22	yes	6.00	on mkt buy	AUD	ORD	26,757	26,757
BlackRock Fund Advisors	02-Nov-22	no	n/a	in specie	AUD	ORD	2,620	2,620
BlackRock Institutional Trust Company, National Association	02-Nov-22	yes	5.99	on mkt buy	AUD	ORD	1,118	1,118
BlackRock Institutional Trust Company, National Association	02-Nov-22	yes	5.99	on mkt buy	AUD	ORD	64,106	64,106
BlackRock Institutional Trust Company, National Association	02-Nov-22	yes	5.99	on mkt buy	AUD	ORD	16,227	16,227
BlackRock Institutional Trust Company, National Association	02-Nov-22	yes	5.99	on mkt buy	AUD	ORD	15,752	15,752
BlackRock Institutional Trust Company, National Association	02-Nov-22	yes	5.98	on mkt buy	AUD	ORD	31,812	31,812
BlackRock Financial Management, Inc.	02-Nov-22	yes	5.98	on mkt buy	AUD	ORD	3,911	3,911
BlackRock Investment Management (UK) Limited	02-Nov-22	no	n/a	collateral transfer	AUD	ORD	693,797	693,797
BlackRock Investment Management (Australia) Limited	03-Nov-22	yes	5.92	on mkt buy	AUD	ORD	16,443	16,443
BlackRock Fund Advisors	03-Nov-22	no	n/a	in specie	AUD	ORD	5,229	5,229
BlackRock Fund Advisors	03-Nov-22	no	n/a	in specie	AUD	ORD	2,704	2,704
BlackRock Investment Management (UK) Limited	03-Nov-22	yes	5.90	on mkt buy	AUD	ORD	4,766	4,766
BlackRock Investment Management (Australia) Limited	03-Nov-22	yes	5.96	on mkt buy	AUD	ORD	10,639	10,639
BlackRock Advisors (UK) Limited	03-Nov-22	yes	5.95	on mkt buy	AUD	ORD	2,109	2,109

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Japan Co., Ltd.	03-Nov-22	yes	5.95	on mkt buy	AUD	ORD	5,144	5,144
BlackRock Japan Co., Ltd.	03-Nov-22	yes	5.95	on mkt buy	AUD	ORD	2,893	2,893
BlackRock Japan Co., Ltd.	03-Nov-22	yes	5.95	on mkt buy	AUD	ORD	3,420	3,420
BlackRock Japan Co., Ltd.	03-Nov-22	yes	5.95	on mkt buy	AUD	ORD	2,861	2,861
BlackRock Institutional Trust Company, National Association	03-Nov-22	yes	5.95	on mkt buy	AUD	ORD	13,297	13,297
BlackRock Advisors (UK) Limited	03-Nov-22	no	n/a	collateral transfer	AUD	ORD	2	2
BlackRock Fund Advisors	04-Nov-22	no	n/a	in specie	AUD	ORD	11,130	11,130
BlackRock Advisors (UK) Limited	04-Nov-22	yes	5.97	on mkt buy	AUD	ORD	2,109	2,109
BlackRock Advisors (UK) Limited	04-Nov-22	yes	5.97	on mkt buy	AUD	ORD	153	153
BlackRock Advisors (UK) Limited	04-Nov-22	yes	5.97	on mkt buy	AUD	ORD	620	620
BlackRock Institutional Trust Company, National Association	04-Nov-22	yes	5.97	on mkt buy	AUD	ORD	10,734	10,734
BlackRock Financial Management, Inc.	04-Nov-22	yes	5.97	on mkt buy	AUD	ORD	26,263	26,263
BlackRock Financial Management, Inc.	04-Nov-22	yes	5.97	on mkt buy	AUD	ORD	12,119	12,119
BlackRock Institutional Trust Company, National Association	04-Nov-22	yes	5.97	on mkt buy	AUD	ORD	23,292	23,292
BlackRock Advisors (UK) Limited	04-Nov-22	no	n/a	collateral transfer	AUD	ORD	741,959	741,959
BlackRock Fund Advisors	07-Nov-22	no	n/a	in specie	AUD	ORD	1,498	1,498
BlackRock Fund Advisors	07-Nov-22	no	n/a	in specie	AUD	ORD	4,518	4,518
BlackRock Institutional Trust Company, National Association	07-Nov-22	yes	6.02	on mkt buy	AUD	ORD	22,905	22,905
BlackRock Advisors (UK) Limited	07-Nov-22	yes	6.04	on mkt buy	AUD	ORD	4,236	4,236
BlackRock Advisors (UK) Limited	07-Nov-22	yes	6.04	on mkt buy	AUD	ORD	98	98
BlackRock Fund Advisors	07-Nov-22	no	n/a	in specie	AUD	ORD	22,092	22,092
BlackRock Advisors (UK) Limited	07-Nov-22	no	n/a	collateral transfer	AUD	ORD	4,662,145	4,662,145
BlackRock Fund Advisors	08-Nov-22	no	n/a	in specie	AUD	ORD	18,624	18,624
BLACKROCK ADVISORS, LLC	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD	33,415	33,415
BlackRock Institutional Trust Company, National Association	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD	3,799	3,799
BLACKROCK ADVISORS, LLC	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD	267	267
BLACKROCK ADVISORS, LLC	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD	8,091	8,091
BlackRock Investment Management, LLC	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD	5,405	5,405
BlackRock (Singapore) Limited	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD	26,073	26,073
BlackRock Investment Management (Australia) Limited	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD	504	504
BlackRock Investment Management, LLC	08-Nov-22	yes	6.08	on mkt buy	AUD	ORD	3,768	3,768
BlackRock Fund Advisors	08-Nov-22	no	n/a	in specie	AUD	ORD	642	642
BlackRock Investment Management (Australia) Limited	08-Nov-22	yes	6.13	on mkt buy	AUD	ORD	70,670	70,670
BlackRock Advisors (UK) Limited	08-Nov-22	yes	6.13	on mkt buy	AUD	ORD	253	253
BlackRock Advisors (UK) Limited	08-Nov-22	yes	6.13	on mkt buy	AUD	ORD	1,012	1,012
BlackRock Advisors (UK) Limited	08-Nov-22	yes	6.13	on mkt buy	AUD	ORD	95	95
BlackRock (Singapore) Limited	08-Nov-22	yes	6.13	on mkt buy	AUD	ORD	8,990	8,990
BlackRock Advisors (UK) Limited	08-Nov-22	no	n/a	collateral transfer	AUD	ORD	498,503	498,503
BlackRock Investment Management (UK) Limited	08-Nov-22	no	n/a	collateral transfer	AUD	ORD	1,114,225	1,114,225
BlackRock Fund Advisors	09-Nov-22	no	n/a	in specie	AUD	ORD	2,595	2,595
BlackRock Fund Advisors	09-Nov-22	no	n/a	in specie	AUD	ORD	14,616	14,616
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	6.02	on mkt buy	AUD	ORD	78,929	78,929
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	6.02	on mkt buy	AUD	ORD	8,399	8,399
BlackRock Institutional Trust Company, National Association	09-Nov-22	yes	6.02	on mkt buy	AUD	ORD	8,148	8,148
BlackRock Advisors (UK) Limited	09-Nov-22	yes	6.01	on mkt buy	AUD	ORD	254	254
BlackRock Advisors (UK) Limited	09-Nov-22	yes	6.01	on mkt buy	AUD	ORD	508	508
BlackRock Investment Management (Australia) Limited	09-Nov-22	yes	6.01	on mkt buy	AUD	ORD	6,264	6,264
BlackRock (Singapore) Limited	09-Nov-22	no	n/a	collateral transfer	AUD	ORD	28,489	28,489
BlackRock Advisors (UK) Limited	09-Nov-22	no	n/a	collateral transfer	AUD	ORD	17,505	17,505
BlackRock Financial Management, Inc.	09-Nov-22	no	n/a	collateral transfer	AUD	ORD	111,930	111,930
BlackRock Investment Management (UK) Limited	09-Nov-22	no	n/a	collateral transfer	AUD	ORD	8,832	8,832
BlackRock Fund Advisors	10-Nov-22	no	n/a	in specie	AUD	ORD	2,366	2,366
BlackRock Advisors (UK) Limited	10-Nov-22	yes	5.98	on mkt buy	AUD	ORD	10,590	10,590
BlackRock Institutional Trust Company, National Association	11-Nov-22	yes	5.98	on mkt buy	AUD	ORD	620	620

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	11-Nov-22	yes	5.97	on mkt buy	AUD	ORD	6,354	6,354
BlackRock Institutional Trust Company, National Association	11-Nov-22	yes	5.97	on mkt buy	AUD	ORD	27,252	27,252
BlackRock Institutional Trust Company, National Association	11-Nov-22	yes	5.97	on mkt buy	AUD	ORD	95,384	95,384
BlackRock Fund Advisors	11-Nov-22	no	n/a	in specie	AUD	ORD	7,684	7,684
BlackRock Investment Management (UK) Limited	11-Nov-22	no	n/a	collateral transfer	AUD	ORD	2,393,591	2,393,591
BlackRock Fund Advisors	14-Nov-22	no	n/a	in specie	AUD	ORD	1,921	1,921
BlackRock Institutional Trust Company, National Association	14-Nov-22	yes	5.81	on mkt buy	AUD	ORD	58,339	58,339
BlackRock Institutional Trust Company, National Association	14-Nov-22	yes	5.81	on mkt buy	AUD	ORD	11,392	11,392
BlackRock Institutional Trust Company, National Association	14-Nov-22	yes	5.81	on mkt buy	AUD	ORD	11,506	11,506
BlackRock Advisors (UK) Limited	14-Nov-22	yes	5.82	on mkt buy	AUD	ORD	10,545	10,545
BlackRock Advisors (UK) Limited	14-Nov-22	no	n/a	collateral transfer	AUD	ORD	2,023,235	2,023,235
BLACKROCK ADVISORS, LLC	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD	69,467	69,467
BlackRock Institutional Trust Company, National Association	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD	7,804	7,804
BLACKROCK ADVISORS, LLC	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD	542	542
BLACKROCK ADVISORS, LLC	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD	16,710	16,710
BlackRock Investment Management, LLC	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD	10,381	10,381
BlackRock (Singapore) Limited	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD	54,544	54,544
BlackRock Investment Management (Australia) Limited	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD	1,090	1,090
BlackRock Investment Management, LLC	15-Nov-22	yes	5.81	on mkt buy	AUD	ORD	7,719	7,719
BlackRock Advisors (UK) Limited	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD	4,236	4,236
BlackRock Advisors (UK) Limited	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD	1,016	1,016
BlackRock Advisors (UK) Limited	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD	19,501	19,501
BlackRock Investment Management (UK) Limited	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD	17,974	17,974
BlackRock Institutional Trust Company, National Association	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD	91,987	91,987
BlackRock Institutional Trust Company, National Association	15-Nov-22	yes	5.83	on mkt buy	AUD	ORD	4,547	4,547
BlackRock Advisors (UK) Limited	15-Nov-22	no	n/a	collateral transfer	AUD	ORD	256,919	256,919
BlackRock Institutional Trust Company, National Association	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD	1,139	1,139
BlackRock Fund Advisors	16-Nov-22	no	n/a	in specie	AUD	ORD	1,674	1,674
BlackRock Fund Advisors	16-Nov-22	no	n/a	in specie	AUD	ORD	1,921	1,921
BlackRock Fund Advisors	16-Nov-22	no	n/a	in specie	AUD	ORD	1,674	1,674
BlackRock Fund Advisors	16-Nov-22	no	n/a	in specie	AUD	ORD	15,548	15,548
BlackRock Investment Management (Australia) Limited	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD	8,478	8,478
BlackRock Investment Management (Australia) Limited	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD	40,987	40,987
BlackRock Investment Management (Australia) Limited	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD	70,438	70,438
BlackRock Advisors (UK) Limited	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD	2,118	2,118
BlackRock Advisors (UK) Limited	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD	765	765
BlackRock Financial Management, Inc.	16-Nov-22	yes	5.80	on mkt buy	AUD	ORD	28,705	28,705
BlackRock Investment Management (Australia) Limited	17-Nov-22	yes	5.89	on mkt buy	AUD	ORD	8,078	8,078
BlackRock Fund Advisors	17-Nov-22	no	n/a	in specie	AUD	ORD	864	864
BlackRock Fund Advisors	17-Nov-22	no	n/a	in specie	AUD	ORD	1,674	1,674
BlackRock Advisors (UK) Limited	17-Nov-22	yes	5.90	on mkt buy	AUD	ORD	165	165
BlackRock Advisors (UK) Limited	17-Nov-22	yes	5.90	on mkt buy	AUD	ORD	2,040	2,040
BlackRock Japan Co., Ltd.	17-Nov-22	yes	5.90	on mkt buy	AUD	ORD	7,367	7,367
BlackRock Institutional Trust Company, National Association	18-Nov-22	yes	5.90	on mkt buy	AUD	ORD	1,083	1,083
BlackRock Investment Management (Australia) Limited	18-Nov-22	yes	5.89	on mkt buy	AUD	ORD	14,329	14,329
BlackRock Fund Advisors	18-Nov-22	no	n/a	in specie	AUD	ORD	4,590	4,590
BlackRock Advisors (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	2,118	2,118
BlackRock Advisors (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	1,113	1,113
BlackRock Institutional Trust Company, National Association	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	6,606	6,606
BlackRock Investment Management (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	24,658	24,658
BlackRock Investment Management (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	2,793	2,793
BLACKROCK ADVISORS, LLC	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	3,822	3,822

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock International Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	14,290	14,290
BlackRock Institutional Trust Company, National Association	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	51,407	51,407
BlackRock Institutional Trust Company, National Association	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	5,349	5,349
BlackRock Institutional Trust Company, National Association	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	3,976	3,976
BlackRock Advisors (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	12,057	12,057
BlackRock Advisors (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	7,992	7,992
BlackRock Investment Management (UK) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	8,763	8,763
BlackRock (Singapore) Limited	18-Nov-22	yes	5.88	on mkt buy	AUD	ORD	17,031	17,031
BlackRock Advisors (UK) Limited	18-Nov-22	no	n/a	collateral transfer	AUD	ORD	2,081,063	2,081,063
BlackRock Investment Management (UK) Limited	18-Nov-22	no	n/a	collateral transfer	AUD	ORD	6,003	6,003
BlackRock Fund Advisors	21-Nov-22	no	n/a	in specie	AUD	ORD	5,870	5,870
BlackRock Fund Advisors	21-Nov-22	no	n/a	in specie	AUD	ORD	3,842	3,842
BlackRock Fund Advisors	21-Nov-22	no	n/a	in specie	AUD	ORD	4,572	4,572
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	799	799
BlackRock Advisors (UK) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	6,354	6,354
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	10,383	10,383
BlackRock Investment Management (UK) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	5,692	5,692
BLACKROCK ADVISORS, LLC	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	6,002	6,002
BlackRock Asset Management Canada Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	4,268	4,268
BlackRock International Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	23,666	23,666
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	83,767	83,767
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	8,859	8,859
BlackRock Institutional Trust Company, National Association	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	6,984	6,984
BlackRock Advisors (UK) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	22,158	22,158
BlackRock Advisors (UK) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	15,815	15,815
BlackRock Investment Management (UK) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	22,902	22,902
BlackRock (Singapore) Limited	21-Nov-22	yes	5.87	on mkt buy	AUD	ORD	24,164	24,164
BlackRock Japan Co., Ltd.	21-Nov-22	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Investment Management (UK) Limited	21-Nov-22	no	n/a	collateral transfer	AUD	ORD	1,623,952	1,623,952
BLACKROCK ADVISORS, LLC	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	57,799	57,799
BlackRock Institutional Trust Company, National Association	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	6,387	6,387
BLACKROCK ADVISORS, LLC	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	462	462
BLACKROCK ADVISORS, LLC	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	14,083	14,083
BlackRock Investment Management, LLC	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	7,745	7,745
BlackRock (Singapore) Limited	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	45,683	45,683
BlackRock Investment Management (Australia) Limited	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	921	921
BlackRock Investment Management, LLC	22-Nov-22	yes	5.89	on mkt buy	AUD	ORD	6,052	6,052
BlackRock Institutional Trust Company, National Association	22-Nov-22	yes	5.87	on mkt buy	AUD	ORD	13,818	13,818
BlackRock Advisors (UK) Limited	22-Nov-22	no	n/a	collateral transfer	AUD	ORD	605,230	605,230
BlackRock Investment Management, LLC	22-Nov-22	no	n/a	collateral transfer	AUD	ORD	110,310	110,310
BlackRock Investment Management (UK) Limited	22-Nov-22	no	n/a	collateral transfer	AUD	ORD	209,784	209,784
BlackRock Institutional Trust Company, National Association	23-Nov-22	yes	6.17	on mkt buy	AUD	ORD	984	984
BlackRock Advisors (UK) Limited	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	23,298	23,298
BlackRock Investment Management, LLC	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	3,237	3,237
BlackRock Institutional Trust Company, National Association	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	2,684	2,684
BlackRock Japan Co., Ltd.	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	10,041	10,041
BlackRock Japan Co., Ltd.	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	10,563	10,563
BlackRock Japan Co., Ltd.	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	4,410	4,410
BlackRock Investment Management, LLC	23-Nov-22	yes	6.18	on mkt buy	AUD	ORD	2,835	2,835
BlackRock Fund Advisors	23-Nov-22	no	n/a	in specie	AUD	ORD	3,724	3,724
BlackRock Fund Advisors	23-Nov-22	no	n/a	in specie	AUD	ORD	3,048	3,048

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Japan Co., Ltd.	23-Nov-22	no	n/a	collateral transfer	AUD	ORD	2	2
BlackRock Institutional Trust Company, National Association	24-Nov-22	yes	6.25	on mkt buy	AUD	ORD	661	661
BlackRock Advisors (UK) Limited	24-Nov-22	yes	6.19	on mkt buy	AUD	ORD	2,184	2,184
BlackRock Advisors (UK) Limited	24-Nov-22	yes	6.19	on mkt buy	AUD	ORD	4,368	4,368
BlackRock Advisors (UK) Limited	24-Nov-22	no	n/a	collateral transfer	AUD	ORD	233,643	233,643
BlackRock Japan Co., Ltd.	25-Nov-22	yes	6.12	on mkt buy	AUD	ORD	5,995	5,995
BlackRock Advisors (UK) Limited	25-Nov-22	yes	6.06	on mkt buy	AUD	ORD	4,364	4,364
BlackRock Fund Advisors	25-Nov-22	no	n/a	in specie	AUD	ORD	8,500	8,500
BlackRock Advisors (UK) Limited	25-Nov-22	no	n/a	collateral transfer	AUD	ORD	481,838	481,838
BlackRock Investment Management (UK) Limited	25-Nov-22	no	n/a	collateral transfer	AUD	ORD	370,163	370,163
BlackRock Institutional Trust Company, National Association	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	10,852	10,852
BlackRock Institutional Trust Company, National Association	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	20,870	20,870
BlackRock Investment Management (UK) Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	14,368	14,368
BLACKROCK ADVISORS, LLC	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	4,682	4,682
BlackRock International Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	28,164	28,164
BlackRock Institutional Trust Company, National Association	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	6,514	6,514
BlackRock Institutional Trust Company, National Association	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	8,953	8,953
BlackRock Advisors (UK) Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	15,146	15,146
BlackRock Advisors (UK) Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	11,263	11,263
BlackRock Investment Management (UK) Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	23,998	23,998
BlackRock (Singapore) Limited	28-Nov-22	yes	6.14	on mkt buy	AUD	ORD	37,726	37,726
BlackRock Investment Management (UK) Limited	28-Nov-22	no	n/a	collateral transfer	AUD	ORD	1,743,372	1,743,372
BLACKROCK ADVISORS, LLC	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD	28,250	28,250
BlackRock Institutional Trust Company, National Association	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD	3,065	3,065
BLACKROCK ADVISORS, LLC	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD	223	223
BLACKROCK ADVISORS, LLC	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD	7,021	7,021
BlackRock Investment Management, LLC	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD	4,572	4,572
BlackRock (Singapore) Limited	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD	23,537	23,537
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD	439	439
BlackRock Investment Management, LLC	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD	3,184	3,184
BlackRock Institutional Trust Company, National Association	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD	9,296	9,296
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	6.18	on mkt buy	AUD	ORD	1,607	1,607
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	15,280	15,280
BlackRock Advisors (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	4,366	4,366
BlackRock Financial Management, Inc.	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	4,421	4,421
BlackRock Institutional Trust Company, National Association	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	12,462	12,462
BlackRock Investment Management (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	8,329	8,329
BlackRock Japan Co., Ltd.	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	119,220	119,220
BLACKROCK ADVISORS, LLC	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	8,101	8,101
BlackRock Advisors (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	9,760	9,760
BlackRock Asset Management Canada Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	5,618	5,618
BlackRock International Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	29,229	29,229
BlackRock Institutional Trust Company, National Association	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	6,378	6,378
BlackRock Institutional Trust Company, National Association	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	7,535	7,535
BlackRock Advisors (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	31,976	31,976
BlackRock Advisors (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	20,920	20,920
BlackRock Investment Management (UK) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	18,124	18,124
BlackRock (Singapore) Limited	29-Nov-22	yes	6.19	on mkt buy	AUD	ORD	24,273	24,273
BlackRock Investment Management (UK) Limited	29-Nov-22	no	n/a	collateral transfer	AUD	ORD	1,285,323	1,285,323
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.21	on mkt buy	AUD	ORD	10,797	10,797

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	27,763	27,763
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	622	622
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	55,941	55,941
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	7,694	7,694
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	22,011	22,011
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	6,560	6,560
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	11,467	11,467
BlackRock Financial Management, Inc.	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	12,725	12,725
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	34,351	34,351
BlackRock Japan Co., Ltd.	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	4,171	4,171
BlackRock Japan Co., Ltd.	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	1,390	1,390
BlackRock Advisors (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	39,891	39,891
BlackRock Advisors (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	119,677	119,677
BlackRock Fund Advisors	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	26,238	26,238
BlackRock Fund Advisors	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	78,719	78,719
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	6,121	6,121
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	18,365	18,365
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	4,157	4,157
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	12,470	12,470
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	3,570	3,570
BlackRock Fund Advisors	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	192,474	192,474
BlackRock Fund Advisors	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	95,798	95,798
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	2,218	2,218
BlackRock Investment Management, LLC	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	7,801	7,801
BlackRock Investment Management (UK) Limited	30-Nov-22	yes	6.24	on mkt buy	AUD	ORD	13,700	13,700
BlackRock Fund Advisors	30-Nov-22	no	n/a	in specie	AUD	ORD	6,192	6,192
BlackRock Japan Co., Ltd.	30-Nov-22	no	n/a	collateral transfer	AUD	ORD	5	5
BlackRock (Singapore) Limited	30-Nov-22	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Advisors (UK) Limited	30-Nov-22	no	n/a	collateral transfer	AUD	ORD	8,384	8,384
BlackRock Institutional Trust Company, National Association	01-Dec-22	yes	6.25	on mkt buy	AUD	ORD	8,255	8,255
BlackRock Investment Management (Australia) Limited	01-Dec-22	yes	6.24	on mkt buy	AUD	ORD	4,794	4,794
BlackRock Investment Management (Australia) Limited	01-Dec-22	yes	6.23	on mkt buy	AUD	ORD	2,155	2,155
BlackRock Japan Co., Ltd.	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	30,108	30,108
BlackRock Japan Co., Ltd.	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	14,822	14,822
BlackRock Japan Co., Ltd.	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	7,156	7,156
BlackRock Japan Co., Ltd.	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	8,607	8,607
BlackRock Japan Co., Ltd.	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	8,742	8,742
BlackRock Investment Management, LLC	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	5,465	5,465
BlackRock Institutional Trust Company, National Association	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	4,668	4,668
BlackRock Institutional Trust Company, National Association	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	1,460	1,460
BlackRock Advisors (UK) Limited	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	2,506	2,506
BlackRock Investment Management (UK) Limited	01-Dec-22	yes	6.22	on mkt buy	AUD	ORD	3,727	3,727
BlackRock Advisors (UK) Limited	01-Dec-22	no	n/a	collateral transfer	AUD	ORD	145,871	145,871
BlackRock Institutional Trust Company, National Association	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	11,681	11,681
BlackRock Institutional Trust Company, National Association	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	26,831	26,831
BlackRock Institutional Trust Company, National Association	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	4,970	4,970
BlackRock Institutional Trust Company, National Association	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	4,796	4,796

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	912	912
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	5,016	5,016
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	1,064	1,064
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	768	768
BlackRock Institutional Trust Company, National Association	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	6,474	6,474
BlackRock Investment Management (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	6,615	6,615
BlackRock International Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	16,355	16,355
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	7,442	7,442
BlackRock Advisors (UK) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	4,963	4,963
BlackRock (Singapore) Limited	02-Dec-22	yes	6.17	on mkt buy	AUD	ORD	8,766	8,766
BlackRock Advisors (UK) Limited	02-Dec-22	no	n/a	collateral transfer	AUD	ORD	140,834	140,834
BlackRock Financial Management, Inc.	02-Dec-22	no	n/a	collateral transfer	AUD	ORD	2	2
BlackRock Fund Advisors	05-Dec-22	no	n/a	in specie	AUD	ORD	860	860
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD	120	120
BlackRock Institutional Trust Company, National Association	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD	7,637	7,637
BlackRock Investment Management (UK) Limited	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD	1,117,705	1,117,705
BlackRock Fund Advisors	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD	12,275	12,275
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD	26,912	26,912
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD	110,799	110,799
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD	16,816	16,816
BlackRock Institutional Trust Company, National Association	05-Dec-22	yes	6.20	on mkt buy	AUD	ORD	14,505	14,505
BlackRock Advisors (UK) Limited	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD	936	936
BlackRock Advisors (UK) Limited	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD	780	780
BlackRock Institutional Trust Company, National Association	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD	7,467	7,467
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD	28,633	28,633
BlackRock Financial Management, Inc.	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD	12,284	12,284
BlackRock Institutional Trust Company, National Association	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD	22,907	22,907
BlackRock Institutional Trust Company, National Association	05-Dec-22	yes	6.19	on mkt buy	AUD	ORD	15,497	15,497
BlackRock Advisors (UK) Limited	05-Dec-22	no	n/a	collateral transfer	AUD	ORD	3,804,905	3,804,905
BlackRock Financial Management, Inc.	05-Dec-22	no	n/a	collateral transfer	AUD	ORD	7	7
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.19	on mkt buy	AUD	ORD	2,650	2,650
BlackRock Investment Management (Australia) Limited	06-Dec-22	yes	6.19	on mkt buy	AUD	ORD	2,463	2,463
BlackRock Fund Advisors	06-Dec-22	no	n/a	in specie	AUD	ORD	5,763	5,763
BlackRock Fund Advisors	06-Dec-22	no	n/a	in specie	AUD	ORD	1,921	1,921
BlackRock Fund Advisors	06-Dec-22	no	n/a	in specie	AUD	ORD	844	844
BlackRock Advisors (UK) Limited	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD	1,560	1,560
BlackRock Advisors (UK) Limited	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD	516	516
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD	6,146	6,146
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD	10,655	10,655
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD	3,509	3,509
BlackRock Financial Management, Inc.	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD	25,722	25,722
BlackRock Financial Management, Inc.	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD	11,507	11,507
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD	19,137	19,137
BlackRock Institutional Trust Company, National Association	06-Dec-22	yes	6.17	on mkt buy	AUD	ORD	17,070	17,070
BlackRock (Singapore) Limited	06-Dec-22	no	n/a	collateral transfer	AUD	ORD	402,051	402,051
BlackRock Financial Management, Inc.	06-Dec-22	no	n/a	collateral transfer	AUD	ORD	2,014,726	2,014,726
BlackRock Investment Management (UK) Limited	06-Dec-22	no	n/a	collateral transfer	AUD	ORD	1,219,228	1,219,228
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.22	on mkt buy	AUD	ORD	7,298	7,298
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.23	on mkt buy	AUD	ORD	4,954	4,954
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.23	on mkt buy	AUD	ORD	436	436

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	774	774
BlackRock Advisors (UK) Limited	07-Dec-22	yes	6.21	on mkt buy	AUD	ORD	792,567	792,567
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	6,791	6,791
BlackRock Investment Management (UK) Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	8,140	8,140
BLACKROCK ADVISORS, LLC	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	11,160	11,160
BLACKROCK ADVISORS, LLC	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	7,644	7,644
BlackRock International Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	19,515	19,515
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	189,476	189,476
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	5,332	5,332
BlackRock Institutional Trust Company, National Association	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	5,039	5,039
BlackRock Advisors (UK) Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	9,928	9,928
BlackRock Advisors (UK) Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	7,226	7,226
BlackRock (Singapore) Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	18,381	18,381
BlackRock Asset Management Canada Limited	07-Dec-22	yes	6.27	on mkt buy	AUD	ORD	11,350	11,350
BlackRock Japan Co., Ltd.	07-Dec-22	no	n/a	collateral transfer	AUD	ORD	3	3
BlackRock (Singapore) Limited	07-Dec-22	no	n/a	collateral transfer	AUD	ORD	8,802	8,802
BlackRock Investment Management (UK) Limited	07-Dec-22	no	n/a	collateral transfer	AUD	ORD	31,603	31,603
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.13	on mkt buy	AUD	ORD	5,615	5,615
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.13	on mkt buy	AUD	ORD	145,292	145,292
BlackRock Advisors (UK) Limited	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	884	884
BlackRock Investment Management, LLC	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	6,189	6,189
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	4,577	4,577
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	1,505	1,505
BlackRock Advisors (UK) Limited	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	3,195	3,195
BLACKROCK ADVISORS, LLC	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	7,660	7,660
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	3,694	3,694
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	46,347	46,347
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	21,887	21,887
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	9,652	9,652
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	11,434	11,434
BlackRock Japan Co., Ltd.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	14,239	14,239
BLACKROCK ADVISORS, LLC	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	21,587	21,587
BlackRock Investment Management (UK) Limited	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	2,537	2,537
BlackRock Financial Management, Inc.	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	4,961	4,961
BlackRock Investment Management, LLC	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	28,951	28,951
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	1,674	1,674
BlackRock Investment Management (UK) Limited	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	13,387	13,387
BlackRock Investment Management (UK) Limited	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	5,929	5,929
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	2,534	2,534
BlackRock Institutional Trust Company, National Association	08-Dec-22	yes	6.09	on mkt buy	AUD	ORD	3,520	3,520
BlackRock Advisors (UK) Limited	08-Dec-22	no	n/a	collateral transfer	AUD	ORD	3,500,482	3,500,482
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.18	on mkt buy	AUD	ORD	249	249
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.18	on mkt buy	AUD	ORD	1,854	1,854
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.18	on mkt buy	AUD	ORD	17,352	17,352
BlackRock Advisors (UK) Limited	09-Dec-22	yes	6.10	on mkt buy	AUD	ORD	17,531	17,531
BlackRock Advisors (UK) Limited	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	1,412	1,412
BlackRock Advisors (UK) Limited	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	95	95
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	8,094	8,094
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	20,999	20,999
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	21,384	21,384

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (UK) Limited	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	11,687	11,687
BlackRock Investment Management (UK) Limited	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	1,410	1,410
BlackRock Financial Management, Inc.	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	40,085	40,085
BlackRock Financial Management, Inc.	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	17,804	17,804
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	22,127	22,127
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	32,233	32,233
BlackRock Investment Management (UK) Limited	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	1,474	1,474
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	50,192	50,192
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	6.21	on mkt buy	AUD	ORD	24,928	24,928
BlackRock Investment Management (UK) Limited	09-Dec-22	no	n/a	in specie	AUD	ORD	18,329	18,329
BlackRock Investment Management (UK) Limited	09-Dec-22	no	n/a	in specie	AUD	ORD	9,719	9,719
BlackRock (Singapore) Limited	09-Dec-22	no	n/a	collateral transfer	AUD	ORD	29,109	29,109
BlackRock Advisors (UK) Limited	09-Dec-22	no	n/a	collateral transfer	AUD	ORD	194,284	194,284
BlackRock Investment Management, LLC	09-Dec-22	no	n/a	collateral transfer	AUD	ORD	522,133	522,133
BlackRock Investment Management (UK) Limited	09-Dec-22	no	n/a	collateral transfer	AUD	ORD	963,550	963,550
BlackRock Fund Advisors	12-Dec-22	no	n/a	in specie	AUD	ORD	5,320	5,320
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	1,417	1,417
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	28,564	28,564
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	2,784	2,784
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	11,124	11,124
BLACKROCK ADVISORS, LLC	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	41,627	41,627
BLACKROCK ADVISORS, LLC	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	7,253	7,253
BlackRock Asset Management Canada Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	4,587	4,587
BlackRock International Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	20,720	20,720
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	113,355	113,355
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	6,969	6,969
BlackRock Institutional Trust Company, National Association	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	7,587	7,587
BLACKROCK ADVISORS, LLC	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	8,218	8,218
BlackRock Advisors (UK) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	30,574	30,574
BlackRock Advisors (UK) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	20,965	20,965
BlackRock Investment Management (UK) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	22,075	22,075
BlackRock Financial Management, Inc.	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	5,689	5,689
BlackRock (Singapore) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	27,241	27,241
BlackRock Asset Management Canada Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	9,503	9,503
BlackRock Asset Management Canada Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	41,239	41,239
BlackRock Financial Management, Inc.	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	3,834	3,834
BlackRock Advisors (UK) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	6,924	6,924
BlackRock Advisors (UK) Limited	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	585	585
BlackRock Financial Management, Inc.	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	3,554	3,554
BlackRock Financial Management, Inc.	12-Dec-22	yes	6.14	on mkt buy	AUD	ORD	3,980	3,980
BlackRock Fund Advisors	12-Dec-22	no	n/a	in specie	AUD	ORD	22,092	22,092
BlackRock Investment Management, LLC	12-Dec-22	no	n/a	collateral transfer	AUD	ORD	325,940	325,940
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.25	on mkt buy	AUD	ORD	637	637
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.25	on mkt buy	AUD	ORD	24,134	24,134
BlackRock Fund Advisors	13-Dec-22	no	n/a	in specie	AUD	ORD	6,134	6,134
BlackRock Fund Advisors	13-Dec-22	no	n/a	in specie	AUD	ORD	1,705	1,705
BlackRock Advisors (UK) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	202	202
BlackRock Financial Management, Inc.	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	4,436	4,436

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	80,800	80,800
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	11,828	11,828
BlackRock Investment Management (UK) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	8,345	8,345
BLACKROCK ADVISORS, LLC	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	39,909	39,909
BLACKROCK ADVISORS, LLC	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	7,691	7,691
BlackRock Asset Management Canada Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	5,073	5,073
BlackRock International Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	23,435	23,435
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	118,875	118,875
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	5,199	5,199
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	6,102	6,102
BLACKROCK ADVISORS, LLC	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	5,973	5,973
BlackRock Advisors (UK) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	33,022	33,022
BlackRock Advisors (UK) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	22,774	22,774
BlackRock Investment Management (UK) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	8,088	8,088
BlackRock Financial Management, Inc.	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	4,904	4,904
BlackRock (Singapore) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	27,629	27,629
BlackRock Asset Management Canada Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	9,683	9,683
BlackRock Asset Management Canada Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	43,457	43,457
BlackRock Financial Management, Inc.	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	4,029	4,029
BlackRock Investment Management (Australia) Limited	13-Dec-22	yes	6.28	on mkt buy	AUD	ORD	56,490	56,490
BlackRock Japan Co., Ltd.	13-Dec-22	no	n/a	collateral transfer	AUD	ORD	7,998	7,998
BlackRock (Singapore) Limited	13-Dec-22	no	n/a	collateral transfer	AUD	ORD	45,027	45,027
BlackRock Advisors (UK) Limited	13-Dec-22	no	n/a	collateral transfer	AUD	ORD	3,743,287	3,743,287
BlackRock Financial Management, Inc.	13-Dec-22	no	n/a	collateral transfer	AUD	ORD	403,798	403,798
BlackRock Asset Management North Asia Limited	13-Dec-22	no	n/a	collateral transfer	AUD	ORD	22,319	22,319
BlackRock Capital Management, Inc.	13-Dec-22	no	n/a	in specie	AUD	ORD	91,040	91,040

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

15-Dec-22

Tevin Murray ,
Authorised Signatory

Date

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 (Singapore) Limited	20 Anson Road #18-01 079912 Singapore
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 Capital Management, Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
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)
APERIO GROUP LLC	2710 Gateway Oaks Drive, Suite 150N, Sacramento, CA 95833-3505

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

.....
Tevin Murray, Authorised Signatory

15-Dec-2022

.....
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 to form 603.
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 B to form 603.
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? If yes, detail	Yes, at notice.
Will the securities be returned on settlement? If yes, detail any exceptions	Yes.

A copy of the relevant agreement will be provided to QANTAS AIRWAYS 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
- (l) HSBC Bank plc GMSLA GMSLA, 27 October 2016
- (m) ING Bank N.V. GMSLA, 12 November 2018
- (n) J.P. Morgan Securities plc GMSLA, 12 July 2011
- (o) Macquarie Bank Limited GMSLA, 18 August 2014
- (p) Merrill Lynch International GMSLA, 3 February 2020
- (q) Morgan Stanley & Co International plc GMSLA, 9 June 2021
- (r) Natixis SA GMSLA, 29 January 2018
- (s) Nomura International plc GMSLA, 2 November 2011
- (t) Royal Bank of Canada Europe Limited GMSLA, 3 February 2017
- (u) Royal Bank of Scotland plc (renamed to Natwest Markets Plc) GMSLA, 1 April 2011
- (v) Santander UK Plc GMSLA, 25 January 2019
- (w) Societe Generale GMSLA, 27 January 2012
- (x) UBS AG GMSLA, 28 April 2016
- (y) UBS Europe SE GMSLA, 1 February 2019
- (z) BAL/Banco Santander, S.A. GMSLA, 30 April 2019
- (aa) Canadian Imperial Bank of Commerce, London Branch GMSLA, 21 June 2019
- (bb) Zürcher Kantonalbank GMSLA, 30 October 2019
- (cc) The Hongkong and Shanghai Banking Corporation Limited GMSLA, 7 February 2020
- (dd) BNP Paribas Prime Brokerage International Limited GMSLA 19 October 20201

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

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

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

These counterparties do not pledge Australian equities:

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

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

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

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