Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme: MACQUARIE GROUP LTD

ACN/ARSN: 122 169 279

1. Details of substantial holder (1)

Name: BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures to this form)

ACN/ARSN (if applicable)

The holder became a substantial holder on 03/09/2020

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	18,119,950	18,119,950	5.01
ADR 1:1	53	53	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				

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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 Haley Harris capacity Authorised Signatory*

sign here date 07 / 09 / 2020

* 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.

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This is Annexure A of 9 pages referred to in form 603 Notice of initial substantial shareholder

Annexure A

07-Sep-20

Haley Harris,
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
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	22,315	22,315	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	KAS-KAS BANK - AMSTERDAM		ORD	4,353	4,353	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET LONDON		ORD	50,115	50,115	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 as investment manager or trustee.	SSB-STATE STREET SINGAPORE		ORD	536	536	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 as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ORD	538,531	538,531	subsidiary of BlackRock Inc.

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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 as investment manager or trustee.	JPM-JPM CHASE - LONDON		ORD	277,256	277,256	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 as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD	74,312	74,312	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 as investment manager or trustee.	SSB-STATE STREET DUBLIN		ORD	1,120,708	1,120,708	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 as investment manager or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ORD	7,612	7,612	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 as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	1,022	1,022	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 as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	9,584	9,584	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 as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD	140,194	140,194	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 as investment manager or trustee.	BNYM-CIBC MELLON GLOBAL SECURITIES - NEW YORK		ORD	1,401	1,401	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 as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	1,207	1,207	subsidiary of BlackRock Inc.

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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 Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	168,403	168,403	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 as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ORD	2,145	2,145	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 as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	15,568	15,568	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 as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD	57,736	57,736	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 as investment manager or trustee.	BNYM-BANK OF NY BRUS		ORD	8,025	8,025	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 as investment manager or trustee.	CITI-CITIBANK, HONG KONG		ORD	2,025	2,025	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 as investment manager or trustee.	Northern Trust Singapore		ORD	408	408	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 as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD	7,088	7,088	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 as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	35,879	35,879	subsidiary of BlackRock Inc.

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Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	25,373	25,373	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 as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD	49,418	49,418	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 as investment manager or trustee.	SSB-STATE STREET BANK & TRUST TORONTO		ORD	1,987	1,987	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 as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD	48,174	48,174	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 as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD	16,581	16,581	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 as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD	4,324,251	4,324,251	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 as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	207,196	207,196	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 as investment manager or trustee.	CS-CREDIT SUISSE PRIME BROKERAGE - ZURICH		ORD	11,690	11,690	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 as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	4,619,829	4,619,829	subsidiary of BlackRock Inc.

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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 as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ORD	53,093	53,093	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 as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	89,629	89,629	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 as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD	18,683	18,683	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 as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD	843	843	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 as investment manager or trustee.	#N/A		ORD	17,663	17,663	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 as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	929	929	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 as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD	132,228	132,228	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 as investment manager or trustee.	HSBC-HSBC SYDNEY		ORD	571,728	571,728	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 as investment manager or trustee.	JPM-JPM CHASE - SYDNEY		ORD	199,292	199,292	subsidiary of BlackRock Inc.

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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 (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD	1,002,256	1,002,256	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 as investment manager or trustee.	Northern Trust Singapore		ORD	176,722	176,722	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 as investment manager or trustee.	SSB-STATE STREET SINGAPORE		ORD	15,820	15,820	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 as investment manager or trustee.	AP7		ORD	187,005	187,005	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 as investment manager or trustee.	BNP PARIBAS LUX		ORD	1,617	1,617	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 as investment manager or trustee.	BNYM-BANK OF NY BRUS		ORD	223,874	223,874	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 as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ORD	149,667	149,667	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 as investment manager or trustee.	CB-Caceis Bank Amsterdam		ORD	5,775	5,775	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 as investment manager or trustee.	CITI-CITIBANK, LONDON		ORD	290,597	290,597	subsidiary of BlackRock Inc.

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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 as investment manager or trustee.	HSBC BANK MIDDLE EAST LIMITED		ORD	2,836	2,836	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 as investment manager or trustee.	HSBC-HSBC - LONDON		ORD	419,342	419,342	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 as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	13,556	13,556	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 as investment manager or trustee.	JPM-JPM CHASE - LONDON		ORD	7,222	7,222	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 as investment manager or trustee.	KAS-KAS BANK - AMSTERDAM		ORD	42,192	42,192	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 as investment manager or trustee.	Northern Trust Luxembourg		ORD	12,290	12,290	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 as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ORD	10,216	10,216	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 as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD	377,947	377,947	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 as investment manager or trustee.	SEB-SKANDINAVISKA ENSKILDA BANKEN		ORD	22,349	22,349	subsidiary of BlackRock Inc.

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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 as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD	16,575	16,575	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 as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ORD	68,703	68,703	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 as investment manager or trustee.	SSB-STATE STREET BANK, GERMANY		ORD	20,560	20,560	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 as investment manager or trustee.	SSB-STATE STREET LONDON		ORD	46,608	46,608	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 as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD	13,862	13,862	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 as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	247,088	247,088	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 as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	194,500	194,500	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 as investment manager or trustee.	JPM-JPM CHASE - LONDON		ORD	5,455	5,455	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 as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	1,296	1,296	subsidiary of BlackRock Inc.

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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 as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD	461	461	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 as investment manager or trustee.	#N/A		ADR 1:1	53	53	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 as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD	8,354	8,354	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 as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	215,009	215,009	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 as investment manager or trustee.	SSB-State Street Bank And Trust Co.		ORD	119,859	119,859	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 as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD	4,769	4,769	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.	Northern Trust Singapore		ORD	4,973	4,973	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 responsible entity.	JPM-JPM CHASE - SYDNEY		ORD	1,255,585	1,255,585	subsidiary of BlackRock Inc.

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Annexure B

This is Annexure B of 15 pages referred to in form 603 Notice of initial substantial shareholder

07-Sep-20

Haley Harris, **Date**
Authorised Signatory

5. Consideration

MACQUARIE GROUP LTD (MQG)

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected		Person's votes affected
			Cash	Non-cash	CCY			
BLACKROCK FINANCIAL MANAGEMENT, INC.	01-May-20	no	n/a	in specie	AUD	ORD	1,633	1,633
BlackRock Fund Advisors	04-May-20	no	n/a	in specie	AUD	ORD	1,404	1,404
BlackRock Institutional Trust Company, National Association	04-May-20	yes	96.42	on mkt buy	AUD	ORD	372	372
BlackRock Asset Management Canada Limited	04-May-20	yes	96.00	on mkt buy	AUD	ORD	465	465
BlackRock Investment Management (Australia) Limited	04-May-20	yes	97.23	on mkt buy	AUD	ORD	592	592
BlackRock Investment Management (Australia) Limited	04-May-20	yes	97.23	on mkt buy	AUD	ORD	50	50
BlackRock Investment Management (Australia) Limited	04-May-20	yes	97.23	on mkt buy	AUD	ORD	358	358
BlackRock Japan Co., Ltd.	04-May-20	no	n/a	collateral transfer	AUD	ORD	13,937	13,937
BLACKROCK FINANCIAL MANAGEMENT, INC.	04-May-20	no	n/a	collateral transfer	AUD	ORD	5	5
BlackRock Investment Management, LLC	04-May-20	yes	97.23	on mkt buy	AUD	ORD	6,646	6,646
BlackRock Institutional Trust Company, National Association	05-May-20	yes	99.66	on mkt buy	AUD	ORD	57	57
BlackRock Investment Management (UK) Limited	05-May-20	yes	99.66	on mkt buy	AUD	ORD	271	271
BlackRock Institutional Trust Company, National Association	05-May-20	yes	98.03	on mkt buy	AUD	ORD	855	855
BlackRock Institutional Trust Company, National Association	05-May-20	yes	100.24	on mkt buy	AUD	ORD	5,831	5,831
BlackRock Investment Management (Australia) Limited	05-May-20	yes	100.24	on mkt buy	AUD	ORD	1,030	1,030
BlackRock Advisors (UK) Limited	05-May-20	no	n/a	collateral transfer	AUD	ORD	29,853	29,853
BlackRock Fund Advisors	06-May-20	no	n/a	in specie	AUD	ORD	1,840	1,840
BlackRock Institutional Trust Company, National Association	06-May-20	yes	99.26	on mkt buy	AUD	ORD	39	39
BlackRock Institutional Trust Company, National Association	06-May-20	yes	99.26	on mkt buy	AUD	ORD	138	138
BlackRock Investment Management (Australia) Limited	06-May-20	yes	99.45	on mkt buy	AUD	ORD	357	357
BlackRock Japan Co., Ltd.	06-May-20	no	n/a	collateral transfer	AUD	ORD	61,733	61,733
BLACKROCK FINANCIAL MANAGEMENT, INC.	06-May-20	no	n/a	collateral transfer	AUD	ORD	25,312	25,312
BlackRock Investment Management (UK) Limited	06-May-20	no	n/a	collateral transfer	AUD	ORD	168,374	168,374
BlackRock Asset Management North Asia Limited	06-May-20	no	n/a	collateral transfer	AUD	ORD	34,470	34,470
BlackRock Investment Management, LLC	06-May-20	yes	99.26	on mkt buy	AUD	ORD	949	949
BlackRock Investment Management, LLC	06-May-20	no	n/a	collateral transfer	AUD	ORD	167,771	167,771
BlackRock Fund Advisors	07-May-20	no	n/a	in specie	AUD	ORD	3,174	3,174
BlackRock Asset Management Canada Limited	07-May-20	yes	98.90	on mkt buy	AUD	ORD	428	428
BlackRock Investment Management (UK) Limited	07-May-20	yes	99.10	on mkt buy	AUD	ORD	3,084	3,084
BlackRock Investment Management (Australia) Limited	07-May-20	yes	99.55	on mkt buy	AUD	ORD	357	357
BlackRock Advisors (UK) Limited	07-May-20	yes	99.55	on mkt buy	AUD	ORD	254	254
BlackRock Asset Management Canada Limited	07-May-20	yes	99.55	on mkt buy	AUD	ORD	821	821
BlackRock Fund Advisors	07-May-20	no	n/a	in specie	AUD	ORD	174	174
BlackRock Asset Management North Asia Limited	07-May-20	no	n/a	collateral transfer	AUD	ORD	11,521	11,521
BlackRock Investment Management, LLC	07-May-20	no	n/a	collateral transfer	AUD	ORD	23,867	23,867

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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	08-May-20	yes	103.54	on mkt buy	AUD	ORD	298	298
BlackRock Institutional Trust Company, National Association	08-May-20	yes	105.19	on mkt buy	AUD	ORD	682	682
BlackRock Advisors (UK) Limited	08-May-20	no	n/a	collateral transfer	AUD	ORD	1,906	1,906
BLACKROCK FINANCIAL MANAGEMENT, INC.	08-May-20	no	n/a	collateral transfer	AUD	ORD	1,102	1,102
BlackRock Investment Management (UK) Limited	08-May-20	no	n/a	collateral transfer	AUD	ORD	5,288	5,288
BlackRock Investment Management, LLC	08-May-20	no	n/a	collateral transfer	AUD	ORD	8,399	8,399
BlackRock Fund Advisors	11-May-20	no	n/a	in specie	AUD	ORD	699	699
BlackRock Investment Management (Australia) Limited	11-May-20	yes	111.54	on mkt buy	AUD	ORD	19,278	19,278
BlackRock Investment Management (Australia) Limited	11-May-20	yes	111.54	on mkt buy	AUD	ORD	965	965
BlackRock Investment Management (Australia) Limited	11-May-20	yes	111.54	on mkt buy	AUD	ORD	965	965
BlackRock Investment Management (Australia) Limited	11-May-20	yes	111.54	on mkt buy	AUD	ORD	3,927	3,927
BlackRock Investment Management (Australia) Limited	11-May-20	yes	111.54	on mkt buy	AUD	ORD	772	772
BlackRock Investment Management (Australia) Limited	11-May-20	yes	111.54	on mkt buy	AUD	ORD	714	714
BlackRock Institutional Trust Company, National Association	11-May-20	yes	111.54	on mkt buy	AUD	ORD	8,818	8,818
BLACKROCK FINANCIAL MANAGEMENT, INC.	11-May-20	no	n/a	collateral transfer	AUD	ORD	1,270	1,270
BlackRock Investment Management (UK) Limited	11-May-20	no	n/a	collateral transfer	AUD	ORD	6,393	6,393
BlackRock Asset Management North Asia Limited	11-May-20	no	n/a	collateral transfer	AUD	ORD	18,004	18,004
BlackRock Investment Management (Australia) Limited	12-May-20	yes	107.01	on mkt buy	AUD	ORD	3,213	3,213
BlackRock Advisors (UK) Limited	12-May-20	yes	107.01	on mkt buy	AUD	ORD	252	252
BlackRock Advisors (UK) Limited	12-May-20	yes	107.01	on mkt buy	AUD	ORD	202	202
BlackRock Advisors (UK) Limited	12-May-20	yes	107.01	on mkt buy	AUD	ORD	1,377	1,377
BlackRock Institutional Trust Company, National Association	12-May-20	yes	107.01	on mkt buy	AUD	ORD	4,090	4,090
BlackRock Institutional Trust Company, National Association	12-May-20	yes	107.01	on mkt buy	AUD	ORD	7,566	7,566
BlackRock Investment Management (UK) Limited	13-May-20	yes	103.81	on mkt buy	AUD	ORD	4,040	4,040
BlackRock Japan Co., Ltd.	13-May-20	yes	104.63	on mkt buy	AUD	ORD	2,354	2,354
BlackRock Advisors (UK) Limited	13-May-20	yes	106.39	on mkt buy	AUD	ORD	756	756
BlackRock Advisors (UK) Limited	13-May-20	yes	106.39	on mkt buy	AUD	ORD	606	606
BlackRock Institutional Trust Company, National Association	13-May-20	yes	106.39	on mkt buy	AUD	ORD	10,410	10,410
BlackRock Institutional Trust Company, National Association	13-May-20	yes	106.39	on mkt buy	AUD	ORD	10,453	10,453
BlackRock Institutional Trust Company, National Association	13-May-20	yes	106.39	on mkt buy	AUD	ORD	1,209	1,209
BlackRock Fund Advisors	13-May-20	no	n/a	in specie	AUD	ORD	4,491	4,491
BlackRock Fund Advisors	13-May-20	no	n/a	in specie	AUD	ORD	5,988	5,988
BlackRock Investment Management (Australia) Limited	14-May-20	yes	103.16	on mkt buy	AUD	ORD	212	212
BlackRock Advisors (UK) Limited	14-May-20	yes	103.16	on mkt buy	AUD	ORD	252	252
BlackRock Investment Management (Australia) Limited	14-May-20	yes	103.16	on mkt buy	AUD	ORD	8,777	8,777
BlackRock Investment Management, LLC	14-May-20	yes	103.16	on mkt buy	AUD	ORD	773	773
BlackRock Japan Co., Ltd.	14-May-20	no	n/a	collateral transfer	AUD	ORD	19,976	19,976
BlackRock Advisors (UK) Limited	14-May-20	no	n/a	collateral transfer	AUD	ORD	2	2
BlackRock Investment Management, LLC	14-May-20	yes	103.16	on mkt buy	AUD	ORD	4,927	4,927
BlackRock Investment Management, LLC	14-May-20	yes	103.16	on mkt buy	AUD	ORD	2,460	2,460
BlackRock Advisors (UK) Limited	15-May-20	no	n/a	collateral transfer	AUD	ORD	18,994	18,994
BlackRock Investment Management (UK) Limited	15-May-20	no	n/a	collateral transfer	AUD	ORD	11,971	11,971
BlackRock Fund Advisors	18-May-20	no	n/a	in specie	AUD	ORD	1,820	1,820
BlackRock Fund Advisors	18-May-20	no	n/a	in specie	AUD	ORD	1,800	1,800
BlackRock Fund Advisors	18-May-20	no	n/a	in specie	AUD	ORD	2,912	2,912
BlackRock Fund Advisors	18-May-20	no	n/a	in specie	AUD	ORD	600	600
BlackRock Fund Advisors	18-May-20	no	n/a	in specie	AUD	ORD	1,200	1,200

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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
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BlackRock Fund Advisors	18-May-20	no	n/a	in specie	AUD	ORD	1,820	1,820
BlackRock Japan Co., Ltd.	18-May-20	no	n/a	collateral transfer	AUD	ORD	19,976	19,976
BlackRock Fund Advisors	19-May-20	no	n/a	in specie	AUD	ORD	1,404	1,404
BlackRock Investment Management (Australia) Limited	19-May-20	yes	105.81	on mkt buy	AUD	ORD	1,071	1,071
BlackRock Advisors (UK) Limited	19-May-20	yes	105.81	on mkt buy	AUD	ORD	252	252
BlackRock Advisors (UK) Limited	19-May-20	yes	105.81	on mkt buy	AUD	ORD	6,008	6,008
BlackRock Advisors (UK) Limited	19-May-20	yes	105.81	on mkt buy	AUD	ORD	201	201
BlackRock Advisors (UK) Limited	19-May-20	yes	105.81	on mkt buy	AUD	ORD	402	402
BlackRock Institutional Trust Company, National Association	19-May-20	yes	105.81	on mkt buy	AUD	ORD	7,076	7,076
BlackRock Investment Management (UK) Limited	20-May-20	yes	103.36	on mkt buy	AUD	ORD	1,507	1,507
BlackRock Advisors (UK) Limited	20-May-20	yes	104.66	on mkt buy	AUD	ORD	504	504
BlackRock Institutional Trust Company, National Association	20-May-20	yes	104.66	on mkt buy	AUD	ORD	1,410	1,410
BlackRock Institutional Trust Company, National Association	20-May-20	yes	104.66	on mkt buy	AUD	ORD	5,353	5,353
BlackRock Advisors (UK) Limited	20-May-20	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Advisors (UK) Limited	21-May-20	yes	103.96	on mkt buy	AUD	ORD	252	252
BlackRock Advisors (UK) Limited	21-May-20	yes	103.96	on mkt buy	AUD	ORD	504	504
BlackRock Institutional Trust Company, National Association	21-May-20	yes	103.96	on mkt buy	AUD	ORD	1,000	1,000
BlackRock Japan Co., Ltd.	21-May-20	no	n/a	collateral transfer	AUD	ORD	20,813	20,813
BlackRock Investment Management (Australia) Limited	22-May-20	yes	102.62	on mkt buy	AUD	ORD	590	590
BlackRock Institutional Trust Company, National Association	22-May-20	yes	102.62	on mkt buy	AUD	ORD	3,514	3,514
BlackRock Institutional Trust Company, National Association	22-May-20	yes	102.62	on mkt buy	AUD	ORD	5,378	5,378
BlackRock Investment Management (UK) Limited	22-May-20	no	n/a	in specie	AUD	ORD	2,724	2,724
BlackRock Investment Management (UK) Limited	22-May-20	no	n/a	in specie	AUD	ORD	5,855	5,855
BlackRock Advisors (UK) Limited	22-May-20	no	n/a	collateral transfer	AUD	ORD	27,196	27,196
BLACKROCK FINANCIAL MANAGEMENT, INC.	22-May-20	no	n/a	collateral transfer	AUD	ORD	632	632
BlackRock Investment Management (UK) Limited	22-May-20	no	n/a	collateral transfer	AUD	ORD	157,632	157,632
BlackRock Asset Management North Asia Limited	22-May-20	no	n/a	collateral transfer	AUD	ORD	4,611	4,611
BlackRock Investment Management, LLC	22-May-20	no	n/a	collateral transfer	AUD	ORD	28,052	28,052
BlackRock Japan Co., Ltd.	25-May-20	no	n/a	collateral transfer	AUD	ORD	170,321	170,321
BLACKROCK FINANCIAL MANAGEMENT, INC.	25-May-20	no	n/a	collateral transfer	AUD	ORD	281	281
BlackRock Investment Management (UK) Limited	25-May-20	no	n/a	collateral transfer	AUD	ORD	22,466	22,466
BlackRock Fund Advisors	26-May-20	no	n/a	in specie	AUD	ORD	56	56
BlackRock Fund Advisors	26-May-20	no	n/a	in specie	AUD	ORD	28	28
BlackRock Japan Co., Ltd.	26-May-20	no	n/a	collateral transfer	AUD	ORD	39,700	39,700
BlackRock Asset Management North Asia Limited	26-May-20	no	n/a	collateral transfer	AUD	ORD	1,313	1,313
BlackRock Fund Advisors	27-May-20	no	n/a	in specie	AUD	ORD	702	702
BlackRock Fund Advisors	27-May-20	no	n/a	in specie	AUD	ORD	3,174	3,174
BlackRock Investment Management (Australia) Limited	27-May-20	yes	110.95	on mkt buy	AUD	ORD	50	50
BlackRock Advisors (UK) Limited	27-May-20	yes	110.95	on mkt buy	AUD	ORD	252	252
BlackRock Japan Co., Ltd.	27-May-20	no	n/a	collateral transfer	AUD	ORD	101,150	101,150
BlackRock Advisors (UK) Limited	27-May-20	no	n/a	collateral transfer	AUD	ORD	94,354	94,354
BLACKROCK FINANCIAL MANAGEMENT, INC.	27-May-20	no	n/a	collateral transfer	AUD	ORD	144	144
BlackRock Investment Management, LLC	27-May-20	no	n/a	collateral transfer	AUD	ORD	1,240	1,240
BlackRock Investment Management (Australia) Limited	28-May-20	yes	113.43	on mkt buy	AUD	ORD	432	432
BlackRock Investment Management (Australia) Limited	28-May-20	yes	112.71	on mkt buy	AUD	ORD	396	396

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BlackRock Investment Management (Australia) Limited	28-May-20	yes	112.71	on mkt buy	AUD	ORD	3,213	3,213
BlackRock Advisors (UK) Limited	28-May-20	yes	112.71	on mkt buy	AUD	ORD	288	288
BlackRock Advisors (UK) Limited	28-May-20	yes	112.71	on mkt buy	AUD	ORD	320	320
BlackRock Advisors (UK) Limited	28-May-20	yes	112.71	on mkt buy	AUD	ORD	958	958
BlackRock Institutional Trust Company, National Association	28-May-20	yes	112.71	on mkt buy	AUD	ORD	101	101
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-May-20	no	n/a	collateral transfer	AUD	ORD	145	145
BlackRock Asset Management North Asia Limited	28-May-20	no	n/a	collateral transfer	AUD	ORD	1,949	1,949
BlackRock Fund Advisors	29-May-20	no	n/a	in specie	AUD	ORD	1,634	1,634
BlackRock Advisors (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	996	996
BlackRock Advisors (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	192	192
BlackRock Advisors (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	384	384
BlackRock Advisors (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	526	526
BLACKROCK FINANCIAL MANAGEMENT, INC.	29-May-20	yes	109.97	on mkt buy	AUD	ORD	1,851	1,851
BlackRock Investment Management (Australia) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	1,205	1,205
BlackRock Institutional Trust Company, National Association	29-May-20	yes	109.97	on mkt buy	AUD	ORD	6,268	6,268
BlackRock Asset Management North Asia Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	8,025	8,025
BlackRock Investment Management (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	4,499	4,499
BlackRock Investment Management (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	2,037	2,037
BlackRock Investment Management (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	402	402
BLACKROCK ADVISORS, LLC	29-May-20	yes	109.97	on mkt buy	AUD	ORD	116	116
BlackRock Advisors (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	956	956
BlackRock Asset Management Canada Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	143	143
BlackRock International Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	733	733
BlackRock Investment Management, LLC	29-May-20	yes	109.97	on mkt buy	AUD	ORD	981	981
BlackRock Advisors (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	2,385	2,385
BlackRock Advisors (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	2,010	2,010
BLACKROCK FINANCIAL MANAGEMENT, INC.	29-May-20	yes	109.97	on mkt buy	AUD	ORD	881	881
BlackRock Investment Management, LLC	29-May-20	yes	109.97	on mkt buy	AUD	ORD	924	924
BlackRock Investment Management (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	2,167	2,167
BLACKROCK FINANCIAL MANAGEMENT, INC.	29-May-20	yes	109.97	on mkt buy	AUD	ORD	1,621	1,621
BlackRock Institutional Trust Company, National Association	29-May-20	yes	109.97	on mkt buy	AUD	ORD	73,134	73,134
BlackRock Fund Advisors	29-May-20	yes	109.97	on mkt buy	AUD	ORD	260,033	260,033
BlackRock Fund Advisors	29-May-20	yes	109.97	on mkt buy	AUD	ORD	2,324	2,324
BlackRock Institutional Trust Company, National Association	29-May-20	yes	109.97	on mkt buy	AUD	ORD	1,257	1,257
BlackRock Institutional Trust Company, National Association	29-May-20	yes	109.97	on mkt buy	AUD	ORD	1,595	1,595
BlackRock Institutional Trust Company, National Association	29-May-20	yes	109.97	on mkt buy	AUD	ORD	6,501	6,501
BLACKROCK FINANCIAL MANAGEMENT, INC.	29-May-20	yes	109.97	on mkt buy	AUD	ORD	14,471	14,471
BlackRock Investment Management, LLC	29-May-20	yes	109.97	on mkt buy	AUD	ORD	14,904	14,904
BlackRock Investment Management (UK) Limited	29-May-20	yes	109.97	on mkt buy	AUD	ORD	12,675	12,675
BlackRock Advisors (UK) Limited	29-May-20	no	n/a	collateral transfer	AUD	ORD	140,264	140,264
BlackRock Investment Management, LLC	29-May-20	no	n/a	in specie	AUD	ORD	2,007	2,007
BlackRock Fund Advisors	01-Jun-20	no	n/a	in specie	AUD	ORD	3,284	3,284
BlackRock Fund Advisors	01-Jun-20	no	n/a	in specie	AUD	ORD	6,568	6,568
BlackRock Fund Advisors	01-Jun-20	no	n/a	in specie	AUD	ORD	1,642	1,642
BlackRock Investment Management (UK) Limited	01-Jun-20	yes	108.81	on mkt buy	AUD	ORD	3,810	3,810
BlackRock Fund Advisors	01-Jun-20	yes	108.81	on mkt buy	AUD	ORD	1,333	1,333
BlackRock Japan Co., Ltd.	01-Jun-20	no	n/a	collateral transfer	AUD	ORD	56,220	56,220
BlackRock Fund Advisors	02-Jun-20	no	n/a	in specie	AUD	ORD	1,025	1,025
BlackRock Advisors (UK) Limited	02-Jun-20	yes	113.31	on mkt buy	AUD	ORD	1,512	1,512
BlackRock Advisors (UK) Limited	02-Jun-20	yes	113.31	on mkt buy	AUD	ORD	237	237
BlackRock Advisors (UK) Limited	02-Jun-20	yes	113.31	on mkt buy	AUD	ORD	384	384
BlackRock Advisors (UK) Limited	02-Jun-20	yes	113.31	on mkt buy	AUD	ORD	522	522

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BlackRock Fund Advisors	02-Jun-20	no	n/a	in specie	AUD	ORD	600	600
BlackRock Japan Co., Ltd.	02-Jun-20	no	n/a	collateral transfer	AUD	ORD	767	767
BlackRock Advisors (UK) Limited	02-Jun-20	no	n/a	collateral transfer	AUD	ORD	151,040	151,040
BlackRock Investment Management (UK) Limited	02-Jun-20	no	n/a	collateral transfer	AUD	ORD	621	621
BlackRock Investment Management, LLC	02-Jun-20	no	n/a	collateral transfer	AUD	ORD	31,786	31,786
BlackRock Investment Management (Australia) Limited	03-Jun-20	yes	115.30	on mkt buy	AUD	ORD	1,058	1,058
BlackRock Advisors (UK) Limited	03-Jun-20	yes	116.10	on mkt buy	AUD	ORD	2,268	2,268
BlackRock Advisors (UK) Limited	03-Jun-20	yes	116.10	on mkt buy	AUD	ORD	96	96
BlackRock Advisors (UK) Limited	03-Jun-20	yes	116.10	on mkt buy	AUD	ORD	211	211
BlackRock Advisors (UK) Limited	03-Jun-20	yes	116.10	on mkt buy	AUD	ORD	263	263
BlackRock Advisors (UK) Limited	03-Jun-20	yes	116.10	on mkt buy	AUD	ORD	1,052	1,052
BlackRock Advisors (UK) Limited	03-Jun-20	yes	116.10	on mkt buy	AUD	ORD	756	756
BlackRock Investment Management (UK) Limited	03-Jun-20	yes	116.10	on mkt buy	AUD	ORD	1,999	1,999
BlackRock Investment Management (Australia) Limited	03-Jun-20	yes	116.10	on mkt buy	AUD	ORD	8,561	8,561
BlackRock Advisors (UK) Limited	03-Jun-20	no	n/a	collateral transfer	AUD	ORD	46,501	46,501
BlackRock Investment Management (UK) Limited	03-Jun-20	no	n/a	collateral transfer	AUD	ORD	155	155
BlackRock Investment Management, LLC	03-Jun-20	no	n/a	collateral transfer	AUD	ORD	6,575	6,575
BlackRock Investment Management (UK) Limited	04-Jun-20	yes	117.49	on mkt buy	AUD	ORD	766	766
BlackRock Advisors (UK) Limited	04-Jun-20	yes	117.51	on mkt buy	AUD	ORD	8,730	8,730
BlackRock Fund Advisors	04-Jun-20	no	n/a	in specie	AUD	ORD	153	153
BlackRock Fund Advisors	04-Jun-20	no	n/a	in specie	AUD	ORD	5,920	5,920
BlackRock Japan Co., Ltd.	04-Jun-20	no	n/a	collateral transfer	AUD	ORD	12,906	12,906
BlackRock Advisors (UK) Limited	04-Jun-20	no	n/a	collateral transfer	AUD	ORD	6,327	6,327
BlackRock Investment Management (UK) Limited	04-Jun-20	no	n/a	collateral transfer	AUD	ORD	19,050	19,050
BlackRock Investment Management, LLC	04-Jun-20	no	n/a	collateral transfer	AUD	ORD	2,075	2,075
BlackRock Fund Advisors	05-Jun-20	no	n/a	in specie	AUD	ORD	820	820
BlackRock Investment Management (Australia) Limited	05-Jun-20	yes	118.00	on mkt buy	AUD	ORD	1,180	1,180
BlackRock Investment Management (Australia) Limited	05-Jun-20	yes	118.00	on mkt buy	AUD	ORD	3,213	3,213
BlackRock Advisors (UK) Limited	05-Jun-20	yes	118.00	on mkt buy	AUD	ORD	263	263
BlackRock Advisors (UK) Limited	05-Jun-20	yes	118.00	on mkt buy	AUD	ORD	475	475
BlackRock Advisors (UK) Limited	05-Jun-20	yes	118.00	on mkt buy	AUD	ORD	190	190
BlackRock Advisors (UK) Limited	05-Jun-20	yes	118.00	on mkt buy	AUD	ORD	570	570
BlackRock Fund Advisors	05-Jun-20	no	n/a	in specie	AUD	ORD	1,642	1,642
BlackRock Fund Advisors	05-Jun-20	no	n/a	in specie	AUD	ORD	600	600
BlackRock Japan Co., Ltd.	05-Jun-20	no	n/a	collateral transfer	AUD	ORD	139,553	139,553
BlackRock Investment Management (UK) Limited	05-Jun-20	no	n/a	collateral transfer	AUD	ORD	164	164
BlackRock Investment Management, LLC	05-Jun-20	yes	118.00	on mkt buy	AUD	ORD	4,043	4,043
BlackRock Investment Management, LLC	05-Jun-20	no	n/a	collateral transfer	AUD	ORD	1,198	1,198
BlackRock Japan Co., Ltd.	08-Jun-20	no	n/a	collateral transfer	AUD	ORD	70,942	70,942
BLACKROCK FINANCIAL MANAGEMENT, INC.	08-Jun-20	no	n/a	collateral transfer	AUD	ORD	359	359
BlackRock Asset Management North Asia Limited	08-Jun-20	no	n/a	collateral transfer	AUD	ORD	3,657	3,657
BlackRock Investment Management, LLC	08-Jun-20	no	n/a	collateral transfer	AUD	ORD	11,620	11,620
BlackRock Fund Advisors	09-Jun-20	no	n/a	in specie	AUD	ORD	3,276	3,276
BlackRock Investment Management (UK) Limited	09-Jun-20	yes	123.42	on mkt buy	AUD	ORD	1,221	1,221
BlackRock Investment Management (Australia) Limited	09-Jun-20	yes	124.40	on mkt buy	AUD	ORD	1,428	1,428
BlackRock Advisors (UK) Limited	09-Jun-20	yes	124.40	on mkt buy	AUD	ORD	1,508	1,508
BlackRock Advisors (UK) Limited	09-Jun-20	yes	124.40	on mkt buy	AUD	ORD	285	285
BlackRock Advisors (UK) Limited	09-Jun-20	yes	124.40	on mkt buy	AUD	ORD	211	211
BlackRock Advisors (UK) Limited	09-Jun-20	yes	124.40	on mkt buy	AUD	ORD	526	526
BlackRock Advisors (UK) Limited	09-Jun-20	yes	124.40	on mkt buy	AUD	ORD	380	380

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BlackRock Advisors (UK) Limited	09-Jun-20	yes	124.40	on mkt buy	AUD	ORD	570	570
BlackRock Advisors (UK) Limited	09-Jun-20	yes	124.40	on mkt buy	AUD	ORD	263	263
BlackRock Asset Management Canada Limited	09-Jun-20	yes	124.40	on mkt buy	AUD	ORD	743	743
BlackRock Institutional Trust Company, National Association	09-Jun-20	yes	124.40	on mkt buy	AUD	ORD	1,248	1,248
BlackRock Japan Co., Ltd.	09-Jun-20	no	n/a	collateral transfer	AUD	ORD	77,582	77,582
BlackRock Fund Advisors	10-Jun-20	no	n/a	in specie	AUD	ORD	2,466	2,466
BlackRock Investment Management (Australia) Limited	10-Jun-20	yes	123.45	on mkt buy	AUD	ORD	1,847	1,847
BlackRock Investment Management (Australia) Limited	10-Jun-20	yes	124.00	on mkt buy	AUD	ORD	116	116
BlackRock Investment Management (Australia) Limited	10-Jun-20	yes	124.00	on mkt buy	AUD	ORD	191	191
BlackRock Investment Management (UK) Limited	10-Jun-20	yes	124.00	on mkt buy	AUD	ORD	172	172
BlackRock Advisors (UK) Limited	10-Jun-20	yes	124.00	on mkt buy	AUD	ORD	190	190
BlackRock Investment Management (UK) Limited	10-Jun-20	no	n/a	collateral transfer	AUD	ORD	4,780	4,780
BlackRock Fund Advisors	11-Jun-20	no	n/a	in specie	AUD	ORD	3,284	3,284
BlackRock Fund Advisors	11-Jun-20	no	n/a	in specie	AUD	ORD	1,224	1,224
BlackRock Fund Advisors	11-Jun-20	no	n/a	in specie	AUD	ORD	4,105	4,105
BlackRock Advisors (UK) Limited	11-Jun-20	yes	118.45	on mkt buy	AUD	ORD	263	263
BlackRock Fund Advisors	11-Jun-20	no	n/a	in specie	AUD	ORD	765	765
BlackRock Fund Advisors	11-Jun-20	no	n/a	in specie	AUD	ORD	1,642	1,642
BlackRock Advisors (UK) Limited	11-Jun-20	no	n/a	collateral transfer	AUD	ORD	28,853	28,853
BlackRock Investment Management (UK) Limited	11-Jun-20	no	n/a	collateral transfer	AUD	ORD	309	309
BlackRock Investment Management, LLC	11-Jun-20	no	n/a	collateral transfer	AUD	ORD	16,282	16,282
BlackRock Fund Advisors	12-Jun-20	no	n/a	in specie	AUD	ORD	3,284	3,284
BlackRock Fund Advisors	12-Jun-20	no	n/a	in specie	AUD	ORD	1,642	1,642
BlackRock Investment Management (Australia) Limited	12-Jun-20	yes	114.41	on mkt buy	AUD	ORD	1,390	1,390
BlackRock Investment Management (Australia) Limited	12-Jun-20	yes	115.60	on mkt buy	AUD	ORD	6,426	6,426
BlackRock Investment Management (Australia) Limited	12-Jun-20	yes	115.60	on mkt buy	AUD	ORD	3,213	3,213
BlackRock Institutional Trust Company, National Association	12-Jun-20	yes	115.60	on mkt buy	AUD	ORD	3,436	3,436
BlackRock Advisors (UK) Limited	12-Jun-20	yes	115.60	on mkt buy	AUD	ORD	263	263
BlackRock Institutional Trust Company, National Association	12-Jun-20	yes	115.60	on mkt buy	AUD	ORD	13,773	13,773
BlackRock (Netherlands) B.V.	12-Jun-20	yes	115.60	on mkt buy	AUD	ORD	111	111
BlackRock Japan Co., Ltd.	12-Jun-20	no	n/a	collateral transfer	AUD	ORD	66,616	66,616
BlackRock Institutional Trust Company, National Association	15-Jun-20	no	n/a	in specie	AUD	ORD	20,599	20,599
BlackRock Fund Advisors	15-Jun-20	no	n/a	in specie	AUD	ORD	126	126
BlackRock Investment Management (Australia) Limited	15-Jun-20	yes	115.11	on mkt buy	AUD	ORD	927	927
BlackRock Investment Management (Australia) Limited	15-Jun-20	yes	113.24	on mkt buy	AUD	ORD	45	45
BlackRock Advisors (UK) Limited	15-Jun-20	yes	113.24	on mkt buy	AUD	ORD	1,052	1,052
BlackRock Japan Co., Ltd.	15-Jun-20	yes	113.24	on mkt buy	AUD	ORD	803	803
BlackRock Fund Advisors	15-Jun-20	no	n/a	in specie	AUD	ORD	28	28
BlackRock Advisors (UK) Limited	15-Jun-20	no	n/a	collateral transfer	AUD	ORD	60,439	60,439
BlackRock Investment Management (UK) Limited	15-Jun-20	no	n/a	collateral transfer	AUD	ORD	85,885	85,885
BlackRock Asset Management North Asia Limited	15-Jun-20	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Investment Management, LLC	15-Jun-20	no	n/a	collateral transfer	AUD	ORD	15,515	15,515
BlackRock Investment Management (UK) Limited	16-Jun-20	yes	119.60	on mkt buy	AUD	ORD	99	99
BlackRock Institutional Trust Company, National Association	16-Jun-20	yes	119.60	on mkt buy	AUD	ORD	75	75
BlackRock Investment Management (Australia) Limited	16-Jun-20	yes	120.34	on mkt buy	AUD	ORD	3,927	3,927
BlackRock Advisors (UK) Limited	16-Jun-20	yes	120.34	on mkt buy	AUD	ORD	1,543	1,543
BlackRock Advisors (UK) Limited	16-Jun-20	no	n/a	collateral transfer	AUD	ORD	237,287	237,287

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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
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BlackRock Investment Management, LLC	16-Jun-20	no	n/a	collateral transfer	AUD	ORD	4,660	4,660
BlackRock Investment Management (Australia) Limited	17-Jun-20	yes	119.95	on mkt buy	AUD	ORD	931	931
BlackRock Fund Advisors	17-Jun-20	no	n/a	in specie	AUD	ORD	1,218	1,218
BlackRock Fund Advisors	17-Jun-20	no	n/a	in specie	AUD	ORD	1,218	1,218
BlackRock Advisors (UK) Limited	17-Jun-20	yes	121.00	on mkt buy	AUD	ORD	66	66
BlackRock Advisors (UK) Limited	17-Jun-20	yes	121.00	on mkt buy	AUD	ORD	228	228
BlackRock Advisors (UK) Limited	17-Jun-20	yes	121.00	on mkt buy	AUD	ORD	210	210
BlackRock Institutional Trust Company, National Association	17-Jun-20	yes	121.00	on mkt buy	AUD	ORD	2,161	2,161
BlackRock Investment Management (Australia) Limited	17-Jun-20	yes	121.00	on mkt buy	AUD	ORD	563	563
BlackRock Investment Management (UK) Limited	17-Jun-20	no	n/a	collateral transfer	AUD	ORD	39,343	39,343
BlackRock Fund Advisors	18-Jun-20	no	n/a	in specie	AUD	ORD	812	812
BlackRock Investment Management (Australia) Limited	18-Jun-20	yes	119.78	on mkt buy	AUD	ORD	590	590
BlackRock Advisors (UK) Limited	18-Jun-20	yes	119.78	on mkt buy	AUD	ORD	263	263
BlackRock Advisors (UK) Limited	18-Jun-20	yes	119.78	on mkt buy	AUD	ORD	62	62
BlackRock Advisors (UK) Limited	18-Jun-20	yes	119.78	on mkt buy	AUD	ORD	241	241
BlackRock Japan Co., Ltd.	18-Jun-20	no	n/a	collateral transfer	AUD	ORD	144,630	144,630
BlackRock Investment Management (UK) Limited	18-Jun-20	no	n/a	collateral transfer	AUD	ORD	6,119	6,119
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	5,986	5,986
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	4,099	4,099
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	6,026	6,026
BlackRock Investment Management (UK) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	340	340
BlackRock Investment Management (UK) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	227	227
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	3,107	3,107
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	4,568	4,568
BlackRock Fund Advisors	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	243	243
BlackRock Fund Advisors	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	363	363
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	1,266	1,266
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	859	859
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	3,371	3,371
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	4,953	4,953
BlackRock Investment Management (UK) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	1,812	1,812
BlackRock Investment Management (UK) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	2,662	2,662
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	1,025	1,025
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	1,505	1,505
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	258	258
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	173	173
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	772	772
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	521	521
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	3,996	3,996
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	2,719	2,719
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	7,191	7,191
BlackRock Investment Management (UK) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	403	403
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	5,451	5,451
BlackRock Investment Management, LLC	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	788	788

For personal use only

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BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	1,509	1,509
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	5,911	5,911
BlackRock Investment Management (UK) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	3,178	3,178
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	1,797	1,797
BlackRock Investment Management (Australia) Limited	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	919	919
BlackRock Advisors (UK) Limited	19-Jun-20	no	n/a	collateral transfer	AUD	ORD	220,209	220,209
BlackRock Investment Management, LLC	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	534	534
BlackRock Investment Management, LLC	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD	939	939
BlackRock Investment Management, LLC	19-Jun-20	no	n/a	collateral transfer	AUD	ORD	15,185	15,185
BlackRock Investment Management (Australia) Limited	22-Jun-20	yes	120.35	on mkt buy	AUD	ORD	2,101	2,101
BlackRock Investment Management (Australia) Limited	22-Jun-20	yes	120.35	on mkt buy	AUD	ORD	105	105
BlackRock Investment Management (Australia) Limited	22-Jun-20	yes	120.35	on mkt buy	AUD	ORD	883	883
BlackRock Advisors (UK) Limited	22-Jun-20	no	n/a	collateral transfer	AUD	ORD	1,983	1,983
BlackRock Investment Management (UK) Limited	23-Jun-20	yes	121.57	on mkt buy	AUD	ORD	3,162	3,162
BlackRock Advisors (UK) Limited	23-Jun-20	yes	121.57	on mkt buy	AUD	ORD	2,113	2,113
BlackRock Asset Management Canada Limited	23-Jun-20	yes	121.57	on mkt buy	AUD	ORD	721	721
BlackRock (Netherlands) B.V.	23-Jun-20	yes	121.57	on mkt buy	AUD	ORD	64	64
BlackRock Investment Management, LLC	23-Jun-20	yes	121.57	on mkt buy	AUD	ORD	16,183	16,183
BlackRock Fund Advisors	23-Jun-20	yes	121.57	on mkt buy	AUD	ORD	1,200	1,200
BlackRock Asset Management Canada Limited	23-Jun-20	no	n/a	in specie	AUD	ORD	1,618	1,618
BlackRock Investment Management, LLC	23-Jun-20	no	n/a	collateral transfer	AUD	ORD	5,592	5,592
BlackRock Investment Management (Australia) Limited	24-Jun-20	yes	121.89	on mkt buy	AUD	ORD	809	809
BlackRock Investment Management (Australia) Limited	24-Jun-20	yes	121.89	on mkt buy	AUD	ORD	2,514	2,514
BlackRock Investment Management (Australia) Limited	24-Jun-20	yes	122.13	on mkt buy	AUD	ORD	2,660	2,660
BlackRock Investment Management (Australia) Limited	24-Jun-20	yes	121.97	on mkt buy	AUD	ORD	76	76
BlackRock Investment Management (Australia) Limited	24-Jun-20	yes	122.14	on mkt buy	AUD	ORD	1,384	1,384
BlackRock Investment Management (Australia) Limited	24-Jun-20	yes	121.97	on mkt buy	AUD	ORD	771	771
BlackRock Advisors (UK) Limited	24-Jun-20	yes	121.59	on mkt buy	AUD	ORD	526	526
BlackRock Investment Management (UK) Limited	24-Jun-20	yes	121.59	on mkt buy	AUD	ORD	2,603	2,603
BlackRock Japan Co., Ltd.	24-Jun-20	no	n/a	collateral transfer	AUD	ORD	4,774	4,774
BlackRock Fund Advisors	25-Jun-20	no	n/a	in specie	AUD	ORD	1,106	1,106
BlackRock Advisors (UK) Limited	25-Jun-20	no	n/a	collateral transfer	AUD	ORD	160,648	160,648
BLACKROCK FINANCIAL MANAGEMENT, INC.	25-Jun-20	no	n/a	collateral transfer	AUD	ORD	48	48
BlackRock Investment Management (UK) Limited	25-Jun-20	no	n/a	collateral transfer	AUD	ORD	8,873	8,873
BlackRock Investment Management, LLC	25-Jun-20	no	n/a	collateral transfer	AUD	ORD	3,160	3,160
BlackRock Investment Management (Australia) Limited	26-Jun-20	no	n/a	in specie	AUD	ORD	31,412	31,412
BlackRock Fund Advisors	26-Jun-20	yes	119.19	on mkt buy	AUD	ORD	2,029	2,029
BlackRock Advisors (UK) Limited	26-Jun-20	no	n/a	collateral transfer	AUD	ORD	14,414	14,414
BlackRock Investment Management (Australia) Limited	29-Jun-20	yes	115.90	on mkt buy	AUD	ORD	660	660
BlackRock Investment Management (Australia) Limited	29-Jun-20	yes	115.94	on mkt buy	AUD	ORD	3,151	3,151
BlackRock Investment Management (Australia) Limited	29-Jun-20	yes	116.43	on mkt buy	AUD	ORD	116	116
BlackRock Advisors (UK) Limited	29-Jun-20	yes	116.43	on mkt buy	AUD	ORD	210	210
BlackRock Investment Management (UK) Limited	29-Jun-20	yes	116.43	on mkt buy	AUD	ORD	7,305	7,305

For personal use only

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BlackRock Advisors (UK) Limited	29-Jun-20	no	n/a	collateral transfer	AUD	ORD	8,604	8,604
BlackRock Investment Management (UK) Limited	29-Jun-20	no	n/a	collateral transfer	AUD	ORD	122	122
BlackRock Fund Advisors	30-Jun-20	no	n/a	in specie	AUD	ORD	2,761	2,761
BlackRock Fund Advisors	30-Jun-20	yes	118.30	on mkt buy	AUD	ORD	976	976
BlackRock Advisors (UK) Limited	30-Jun-20	yes	118.60	on mkt buy	AUD	ORD	210	210
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Jun-20	yes	118.60	on mkt buy	AUD	ORD	164	164
BlackRock Investment Management (UK) Limited	30-Jun-20	yes	118.60	on mkt buy	AUD	ORD	2,402	2,402
BlackRock Institutional Trust Company, National Association	30-Jun-20	yes	118.60	on mkt buy	AUD	ORD	5,287	5,287
BlackRock Institutional Trust Company, National Association	30-Jun-20	yes	118.60	on mkt buy	AUD	ORD	238	238
BlackRock Investment Management (UK) Limited	30-Jun-20	no	n/a	collateral transfer	AUD	ORD	134	134
BlackRock Investment Management, LLC	30-Jun-20	no	n/a	collateral transfer	AUD	ORD	7	7
BlackRock Investment Management (Australia) Limited	01-Jul-20	yes	120.45	on mkt buy	AUD	ORD	888	888
BlackRock Investment Management (Australia) Limited	01-Jul-20	yes	120.46	on mkt buy	AUD	ORD	2,471	2,471
BlackRock Advisors (UK) Limited	01-Jul-20	yes	120.74	on mkt buy	AUD	ORD	3,785	3,785
BlackRock Japan Co., Ltd.	01-Jul-20	no	n/a	collateral transfer	AUD	ORD	25,641	25,641
BlackRock Investment Management, LLC	01-Jul-20	no	n/a	collateral transfer	AUD	ORD	1,251	1,251
BlackRock Advisors (UK) Limited	02-Jul-20	yes	121.96	on mkt buy	AUD	ORD	756	756
BlackRock Advisors (UK) Limited	02-Jul-20	yes	121.96	on mkt buy	AUD	ORD	95	95
BlackRock Advisors (UK) Limited	02-Jul-20	yes	121.96	on mkt buy	AUD	ORD	526	526
BlackRock Advisors (UK) Limited	02-Jul-20	yes	121.96	on mkt buy	AUD	ORD	789	789
BlackRock Investment Management (UK) Limited	02-Jul-20	yes	121.96	on mkt buy	AUD	ORD	2,987	2,987
BlackRock Institutional Trust Company, National Association	02-Jul-20	yes	121.96	on mkt buy	AUD	ORD	6,255	6,255
BlackRock Fund Advisors	02-Jul-20	yes	121.96	on mkt buy	AUD	ORD	1,564	1,564
BlackRock Institutional Trust Company, National Association	02-Jul-20	yes	121.96	on mkt buy	AUD	ORD	15,322	15,322
BlackRock Fund Advisors	02-Jul-20	no	n/a	in specie	AUD	ORD	2,259	2,259
BlackRock Investment Management (UK) Limited	02-Jul-20	no	n/a	collateral transfer	AUD	ORD	256	256
BlackRock Investment Management, LLC	02-Jul-20	no	n/a	collateral transfer	AUD	ORD	934	934
BlackRock Investment Management (UK) Limited	03-Jul-20	yes	122.75	on mkt buy	AUD	ORD	676	676
BlackRock Advisors (UK) Limited	03-Jul-20	yes	122.02	on mkt buy	AUD	ORD	3,024	3,024
BlackRock Japan Co., Ltd.	03-Jul-20	no	n/a	collateral transfer	AUD	ORD	836	836
BlackRock Investment Management (UK) Limited	03-Jul-20	no	n/a	collateral transfer	AUD	ORD	55,174	55,174
BlackRock Advisors (UK) Limited	06-Jul-20	yes	123.82	on mkt buy	AUD	ORD	263	263
BlackRock Advisors (UK) Limited	06-Jul-20	yes	123.82	on mkt buy	AUD	ORD	1,315	1,315
BlackRock Japan Co., Ltd.	06-Jul-20	no	n/a	collateral transfer	AUD	ORD	119,918	119,918
BlackRock Advisors (UK) Limited	06-Jul-20	no	n/a	collateral transfer	AUD	ORD	77,532	77,532
BLACKROCK FINANCIAL MANAGEMENT, INC.	07-Jul-20	yes	123.95	on mkt buy	AUD	ORD	102	102
BlackRock Investment Management (UK) Limited	07-Jul-20	yes	123.95	on mkt buy	AUD	ORD	151	151
BlackRock Advisors (UK) Limited	07-Jul-20	no	n/a	collateral transfer	AUD	ORD	22,942	22,942
BlackRock Fund Advisors	08-Jul-20	no	n/a	in specie	AUD	ORD	2,510	2,510
BlackRock Investment Management (Australia) Limited	08-Jul-20	yes	121.77	on mkt buy	AUD	ORD	918	918
BlackRock Investment Management (Australia) Limited	08-Jul-20	yes	121.77	on mkt buy	AUD	ORD	63	63
BlackRock Investment Management (Australia) Limited	08-Jul-20	yes	121.77	on mkt buy	AUD	ORD	672	672
BlackRock Investment Management (Australia) Limited	08-Jul-20	yes	121.77	on mkt buy	AUD	ORD	2,671	2,671
BlackRock Investment Management (Australia) Limited	08-Jul-20	yes	121.63	on mkt buy	AUD	ORD	1,216	1,216
BlackRock Advisors (UK) Limited	08-Jul-20	yes	121.63	on mkt buy	AUD	ORD	1,512	1,512
BlackRock Advisors (UK) Limited	08-Jul-20	yes	121.63	on mkt buy	AUD	ORD	1,512	1,512

For personal use only

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BlackRock Advisors (UK) Limited	08-Jul-20	yes	121.63	on mkt buy	AUD	ORD	756	756
BlackRock Advisors (UK) Limited	08-Jul-20	no	n/a	collateral transfer	AUD	ORD	2,356	2,356
BlackRock Investment Management, LLC	08-Jul-20	no	n/a	collateral transfer	AUD	ORD	507	507
BlackRock Fund Advisors	09-Jul-20	no	n/a	in specie	AUD	ORD	1,836	1,836
BlackRock Advisors (UK) Limited	09-Jul-20	yes	121.67	on mkt buy	AUD	ORD	475	475
BlackRock Institutional Trust Company, National Association	09-Jul-20	yes	121.67	on mkt buy	AUD	ORD	1,153	1,153
BlackRock Japan Co., Ltd.	09-Jul-20	yes	121.67	on mkt buy	AUD	ORD	802	802
BlackRock Advisors (UK) Limited	09-Jul-20	no	n/a	collateral transfer	AUD	ORD	29,942	29,942
BlackRock Investment Management (UK) Limited	09-Jul-20	no	n/a	collateral transfer	AUD	ORD	93	93
BlackRock Fund Advisors	10-Jul-20	no	n/a	in specie	AUD	ORD	2,510	2,510
BlackRock Investment Management (Australia) Limited	10-Jul-20	yes	120.44	on mkt buy	AUD	ORD	685	685
BlackRock Investment Management (Australia) Limited	10-Jul-20	yes	119.80	on mkt buy	AUD	ORD	1,483	1,483
BlackRock Institutional Trust Company, National Association	10-Jul-20	yes	119.80	on mkt buy	AUD	ORD	10,454	10,454
BlackRock Investment Management (UK) Limited	10-Jul-20	no	n/a	collateral transfer	AUD	ORD	48	48
BlackRock Investment Management (Australia) Limited	13-Jul-20	no	n/a	in specie	AUD	ORD	42,719	42,719
BlackRock Investment Management (Australia) Limited	13-Jul-20	yes	122.15	on mkt buy	AUD	ORD	116	116
BlackRock Advisors (UK) Limited	13-Jul-20	yes	122.15	on mkt buy	AUD	ORD	660	660
BlackRock Advisors (UK) Limited	13-Jul-20	no	n/a	collateral transfer	AUD	ORD	2,689	2,689
BlackRock Investment Management (UK) Limited	13-Jul-20	no	n/a	collateral transfer	AUD	ORD	163	163
BlackRock Institutional Trust Company, National Association	14-Jul-20	yes	121.30	on mkt buy	AUD	ORD	160	160
BlackRock Investment Management (Australia) Limited	14-Jul-20	yes	121.50	on mkt buy	AUD	ORD	1,101	1,101
BlackRock Advisors (UK) Limited	14-Jul-20	yes	121.43	on mkt buy	AUD	ORD	1,504	1,504
BlackRock Advisors (UK) Limited	14-Jul-20	yes	121.50	on mkt buy	AUD	ORD	198	198
BlackRock Advisors (UK) Limited	14-Jul-20	yes	121.50	on mkt buy	AUD	ORD	1,320	1,320
BlackRock Institutional Trust Company, National Association	14-Jul-20	yes	121.50	on mkt buy	AUD	ORD	895	895
BlackRock Asset Management Canada Limited	14-Jul-20	yes	121.50	on mkt buy	AUD	ORD	24	24
BlackRock Fund Advisors	14-Jul-20	no	n/a	in specie	AUD	ORD	1,200	1,200
BlackRock (Singapore) Limited	14-Jul-20	no	n/a	collateral transfer	AUD	ORD	2,934	2,934
BLACKROCK FINANCIAL MANAGEMENT, INC.	14-Jul-20	no	n/a	collateral transfer	AUD	ORD	4,101	4,101
BlackRock Investment Management (UK) Limited	14-Jul-20	no	n/a	collateral transfer	AUD	ORD	26,777	26,777
BlackRock Investment Management, LLC	14-Jul-20	no	n/a	collateral transfer	AUD	ORD	2,485	2,485
BlackRock Investment Management (Australia) Limited	15-Jul-20	yes	123.04	on mkt buy	AUD	ORD	719	719
BlackRock Investment Management (Australia) Limited	15-Jul-20	yes	123.04	on mkt buy	AUD	ORD	1,202	1,202
BlackRock Advisors (UK) Limited	15-Jul-20	yes	123.81	on mkt buy	AUD	ORD	264	264
BlackRock Advisors (UK) Limited	15-Jul-20	yes	123.81	on mkt buy	AUD	ORD	594	594
BlackRock Investment Management (Australia) Limited	15-Jul-20	yes	123.81	on mkt buy	AUD	ORD	664	664
BlackRock Investment Management (UK) Limited	15-Jul-20	no	n/a	collateral transfer	AUD	ORD	19,305	19,305
BlackRock Investment Management, LLC	15-Jul-20	no	n/a	collateral transfer	AUD	ORD	2,090	2,090
BlackRock Investment Management (Australia) Limited	16-Jul-20	yes	124.74	on mkt buy	AUD	ORD	1,101	1,101
BlackRock Advisors (UK) Limited	16-Jul-20	yes	124.74	on mkt buy	AUD	ORD	396	396
BlackRock Japan Co., Ltd.	16-Jul-20	no	n/a	collateral transfer	AUD	ORD	1,991	1,991
BlackRock Advisors (UK) Limited	16-Jul-20	no	n/a	collateral transfer	AUD	ORD	97,022	97,022
BlackRock Fund Advisors	17-Jul-20	no	n/a	in specie	AUD	ORD	1,218	1,218
BlackRock Fund Advisors	17-Jul-20	no	n/a	in specie	AUD	ORD	812	812
BlackRock Advisors (UK) Limited	17-Jul-20	yes	125.18	on mkt buy	AUD	ORD	380	380
BlackRock Advisors (UK) Limited	17-Jul-20	yes	125.18	on mkt buy	AUD	ORD	43	43
BlackRock Advisors (UK) Limited	17-Jul-20	yes	125.18	on mkt buy	AUD	ORD	633	633

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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	17-Jul-20	yes	125.18	on mkt buy	AUD	ORD	1,178	1,178
BLACKROCK FINANCIAL MANAGEMENT, INC.	17-Jul-20	no	n/a	collateral transfer	AUD	ORD	54	54
BlackRock Investment Management (UK) Limited	17-Jul-20	no	n/a	collateral transfer	AUD	ORD	60,727	60,727
BlackRock Asset Management North Asia Limited	17-Jul-20	no	n/a	collateral transfer	AUD	ORD	53	53
BlackRock Investment Management, LLC	17-Jul-20	no	n/a	collateral transfer	AUD	ORD	3,360	3,360
BlackRock Fund Advisors	20-Jul-20	no	n/a	in specie	AUD	ORD	316	316
BlackRock (Netherlands) B.V.	20-Jul-20	yes	124.38	on mkt buy	AUD	ORD	47	47
BlackRock Asset Management Canada Limited	20-Jul-20	yes	124.38	on mkt buy	AUD	ORD	2,258	2,258
BlackRock Fund Advisors	21-Jul-20	no	n/a	in specie	AUD	ORD	609	609
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Jul-20	yes	125.38	on mkt buy	AUD	ORD	65	65
BlackRock Advisors (UK) Limited	21-Jul-20	yes	127.84	on mkt buy	AUD	ORD	211	211
BlackRock Advisors (UK) Limited	21-Jul-20	yes	127.84	on mkt buy	AUD	ORD	211	211
BlackRock Advisors (UK) Limited	21-Jul-20	yes	127.84	on mkt buy	AUD	ORD	95	95
BlackRock Advisors (UK) Limited	21-Jul-20	yes	127.84	on mkt buy	AUD	ORD	570	570
BlackRock Japan Co., Ltd.	21-Jul-20	no	n/a	collateral transfer	AUD	ORD	75	75
BlackRock Advisors (UK) Limited	21-Jul-20	no	n/a	collateral transfer	AUD	ORD	207,977	207,977
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Jul-20	no	n/a	collateral transfer	AUD	ORD	164	164
BlackRock Asset Management North Asia Limited	21-Jul-20	no	n/a	collateral transfer	AUD	ORD	907	907
BlackRock Investment Management, LLC	21-Jul-20	no	n/a	collateral transfer	AUD	ORD	10,326	10,326
BlackRock Investment Management (Australia) Limited	22-Jul-20	yes	127.18	on mkt buy	AUD	ORD	766	766
BlackRock Investment Management (Australia) Limited	22-Jul-20	yes	127.14	on mkt buy	AUD	ORD	56	56
BlackRock Investment Management (Australia) Limited	22-Jul-20	yes	127.18	on mkt buy	AUD	ORD	714	714
BlackRock Investment Management (Australia) Limited	22-Jul-20	yes	127.18	on mkt buy	AUD	ORD	1,146	1,146
BlackRock Advisors (UK) Limited	22-Jul-20	yes	126.80	on mkt buy	AUD	ORD	156	156
BlackRock Fund Advisors	22-Jul-20	yes	126.80	on mkt buy	AUD	ORD	1,147	1,147
BlackRock Fund Advisors	22-Jul-20	yes	126.80	on mkt buy	AUD	ORD	2,122	2,122
BlackRock Japan Co., Ltd.	22-Jul-20	no	n/a	collateral transfer	AUD	ORD	496	496
BlackRock Investment Management (UK) Limited	22-Jul-20	no	n/a	collateral transfer	AUD	ORD	132,020	132,020
BlackRock Asset Management North Asia Limited	22-Jul-20	no	n/a	collateral transfer	AUD	ORD	1,030	1,030
BlackRock Investment Management, LLC	22-Jul-20	no	n/a	collateral transfer	AUD	ORD	57,326	57,326
BlackRock Advisors (UK) Limited	23-Jul-20	yes	126.61	on mkt buy	AUD	ORD	264	264
BlackRock Advisors (UK) Limited	23-Jul-20	yes	126.61	on mkt buy	AUD	ORD	396	396
BlackRock Japan Co., Ltd.	23-Jul-20	no	n/a	collateral transfer	AUD	ORD	85	85
BlackRock Advisors (UK) Limited	23-Jul-20	no	n/a	collateral transfer	AUD	ORD	49,911	49,911
BlackRock Asset Management North Asia Limited	23-Jul-20	no	n/a	collateral transfer	AUD	ORD	294	294
BlackRock Investment Management, LLC	23-Jul-20	no	n/a	collateral transfer	AUD	ORD	10,675	10,675
BlackRock Investment Management (Australia) Limited	24-Jul-20	yes	125.70	on mkt buy	AUD	ORD	689	689
BlackRock Advisors (UK) Limited	24-Jul-20	yes	125.79	on mkt buy	AUD	ORD	415	415
BlackRock Fund Advisors	24-Jul-20	yes	125.79	on mkt buy	AUD	ORD	2,033	2,033
BlackRock Capital Management, Inc.	24-Jul-20	no	n/a	collateral transfer	AUD	ORD	149	149
BlackRock Investment Management (UK) Limited	24-Jul-20	no	n/a	collateral transfer	AUD	ORD	293,052	293,052
BlackRock Investment Management, LLC	24-Jul-20	no	n/a	collateral transfer	AUD	ORD	3,051	3,051
BlackRock Advisors (UK) Limited	27-Jul-20	yes	126.60	on mkt buy	AUD	ORD	665	665
BlackRock Investment Management (UK) Limited	27-Jul-20	yes	126.60	on mkt buy	AUD	ORD	2,059	2,059
BlackRock Japan Co., Ltd.	27-Jul-20	yes	126.60	on mkt buy	AUD	ORD	801	801
BlackRock Japan Co., Ltd.	27-Jul-20	no	n/a	collateral transfer	AUD	ORD	378	378

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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 Capital Management, Inc.	27-Jul-20	no	n/a	collateral transfer	AUD	ORD	12	12
BlackRock Asset Management North Asia Limited	27-Jul-20	no	n/a	collateral transfer	AUD	ORD	593	593
BlackRock Investment Management, LLC	27-Jul-20	no	n/a	collateral transfer	AUD	ORD	3,603	3,603
BlackRock Advisors (UK) Limited	28-Jul-20	yes	124.57	on mkt buy	AUD	ORD	166	166
BlackRock Advisors (UK) Limited	29-Jul-20	yes	124.98	on mkt buy	AUD	ORD	475	475
BlackRock Japan Co., Ltd.	29-Jul-20	no	n/a	collateral transfer	AUD	ORD	27	27
BlackRock Advisors (UK) Limited	29-Jul-20	no	n/a	collateral transfer	AUD	ORD	38,962	38,962
BlackRock Asset Management North Asia Limited	29-Jul-20	no	n/a	collateral transfer	AUD	ORD	587	587
BlackRock Investment Management, LLC	29-Jul-20	no	n/a	collateral transfer	AUD	ORD	10,566	10,566
BlackRock Investment Management (UK) Limited	30-Jul-20	yes	126.00	on mkt buy	AUD	ORD	181	181
BlackRock Advisors (UK) Limited	30-Jul-20	no	n/a	collateral transfer	AUD	ORD	231,611	231,611
BlackRock Fund Advisors	31-Jul-20	no	n/a	in specie	AUD	ORD	2,626	2,626
BlackRock Fund Advisors	31-Jul-20	yes	124.01	on mkt buy	AUD	ORD	742	742
BlackRock Advisors (UK) Limited	31-Jul-20	yes	123.49	on mkt buy	AUD	ORD	6,016	6,016
BlackRock Advisors (UK) Limited	31-Jul-20	yes	123.49	on mkt buy	AUD	ORD	396	396
BlackRock Investment Management (UK) Limited	31-Jul-20	yes	123.49	on mkt buy	AUD	ORD	1,863	1,863
BlackRock Institutional Trust Company, National Association	31-Jul-20	yes	123.49	on mkt buy	AUD	ORD	11,464	11,464
BlackRock Investment Management (Australia) Limited	31-Jul-20	yes	123.49	on mkt buy	AUD	ORD	121,141	121,141
BlackRock Advisors (UK) Limited	31-Jul-20	yes	123.49	on mkt buy	AUD	ORD	2,950	2,950
BlackRock Institutional Trust Company, National Association	31-Jul-20	yes	123.49	on mkt buy	AUD	ORD	1,655	1,655
BlackRock (Netherlands) B.V.	31-Jul-20	yes	123.49	on mkt buy	AUD	ORD	2,427	2,427
BlackRock Institutional Trust Company, National Association	31-Jul-20	yes	123.49	on mkt buy	AUD	ORD	4,087	4,087
BlackRock Investment Management (UK) Limited	31-Jul-20	no	n/a	collateral transfer	AUD	ORD	40,357	40,357
BlackRock Investment Management, LLC	31-Jul-20	no	n/a	collateral transfer	AUD	ORD	2,095	2,095
BlackRock Fund Advisors	03-Aug-20	no	n/a	in specie	AUD	ORD	1,472	1,472
BlackRock Investment Management (Australia) Limited	03-Aug-20	yes	122.04	on mkt buy	AUD	ORD	812	812
BlackRock Advisors (UK) Limited	03-Aug-20	yes	121.99	on mkt buy	AUD	ORD	755	755
BlackRock Investment Management (UK) Limited	03-Aug-20	yes	121.99	on mkt buy	AUD	ORD	2,220	2,220
BlackRock Fund Advisors	03-Aug-20	no	n/a	in specie	AUD	ORD	1,656	1,656
BlackRock Fund Advisors	03-Aug-20	no	n/a	in specie	AUD	ORD	1,380	1,380
BlackRock Fund Advisors	03-Aug-20	no	n/a	in specie	AUD	ORD	1,380	1,380
BlackRock Japan Co., Ltd.	03-Aug-20	no	n/a	collateral transfer	AUD	ORD	1,691	1,691
BlackRock Investment Management (UK) Limited	03-Aug-20	no	n/a	collateral transfer	AUD	ORD	104,982	104,982
BlackRock Asset Management North Asia Limited	03-Aug-20	no	n/a	collateral transfer	AUD	ORD	6,863	6,863
BlackRock Investment Management, LLC	03-Aug-20	no	n/a	collateral transfer	AUD	ORD	78,505	78,505
BlackRock Investment Management (Australia) Limited	04-Aug-20	yes	125.24	on mkt buy	AUD	ORD	3,303	3,303
BlackRock Advisors (UK) Limited	04-Aug-20	yes	125.24	on mkt buy	AUD	ORD	2,256	2,256
BlackRock Advisors (UK) Limited	04-Aug-20	yes	125.24	on mkt buy	AUD	ORD	65	65
BlackRock Advisors (UK) Limited	04-Aug-20	yes	125.24	on mkt buy	AUD	ORD	198	198
BlackRock Institutional Trust Company, National Association	04-Aug-20	yes	125.24	on mkt buy	AUD	ORD	9,375	9,375
BlackRock Institutional Trust Company, National Association	04-Aug-20	yes	125.24	on mkt buy	AUD	ORD	11,587	11,587
BlackRock Japan Co., Ltd.	04-Aug-20	no	n/a	collateral transfer	AUD	ORD	291	291
BlackRock Fund Advisors	05-Aug-20	no	n/a	in specie	AUD	ORD	7,560	7,560
BlackRock Fund Advisors	05-Aug-20	no	n/a	in specie	AUD	ORD	744	744
BlackRock Investment Management (UK) Limited	05-Aug-20	yes	124.41	on mkt buy	AUD	ORD	3,710	3,710
BlackRock Advisors (UK) Limited	05-Aug-20	yes	124.44	on mkt buy	AUD	ORD	66	66
BlackRock Advisors (UK) Limited	05-Aug-20	yes	124.44	on mkt buy	AUD	ORD	528	528
BlackRock Advisors (UK) Limited	05-Aug-20	yes	124.44	on mkt buy	AUD	ORD	78	78

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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
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BlackRock Institutional Trust Company, National Association	05-Aug-20	yes	124.44	on mkt buy	AUD	ORD	1,867	1,867
BlackRock Asset Management Canada Limited	05-Aug-20	yes	124.44	on mkt buy	AUD	ORD	2,086	2,086
BlackRock Investment Management (UK) Limited	05-Aug-20	no	n/a	in specie	AUD	ORD	1,483	1,483
BlackRock Investment Management (UK) Limited	05-Aug-20	no	n/a	in specie	AUD	ORD	7,885	7,885
BlackRock Japan Co., Ltd.	05-Aug-20	no	n/a	collateral transfer	AUD	ORD	121	121
BlackRock Investment Management (UK) Limited	05-Aug-20	no	n/a	collateral transfer	AUD	ORD	13,294	13,294
BlackRock Asset Management North Asia Limited	05-Aug-20	no	n/a	collateral transfer	AUD	ORD	419	419
BlackRock Advisors (UK) Limited	06-Aug-20	yes	124.92	on mkt buy	AUD	ORD	554	554
BlackRock Advisors (UK) Limited	06-Aug-20	yes	124.92	on mkt buy	AUD	ORD	2,549	2,549
BlackRock Advisors (UK) Limited	06-Aug-20	no	n/a	collateral transfer	AUD	ORD	146,551	146,551
BlackRock Investment Management (UK) Limited	06-Aug-20	no	n/a	collateral transfer	AUD	ORD	48,955	48,955
BlackRock Fund Advisors	07-Aug-20	no	n/a	in specie	AUD	ORD	138	138
BlackRock Advisors (UK) Limited	07-Aug-20	yes	124.68	on mkt buy	AUD	ORD	1,506	1,506
BlackRock Investment Management (UK) Limited	07-Aug-20	yes	124.68	on mkt buy	AUD	ORD	599	599
BlackRock Fund Advisors	10-Aug-20	no	n/a	in specie	AUD	ORD	609	609
BlackRock Fund Advisors	10-Aug-20	no	n/a	in specie	AUD	ORD	609	609
BlackRock Investment Management (Australia) Limited	10-Aug-20	yes	126.42	on mkt buy	AUD	ORD	1,101	1,101
BlackRock Advisors (UK) Limited	10-Aug-20	yes	126.42	on mkt buy	AUD	ORD	43	43
BlackRock Fund Advisors	10-Aug-20	no	n/a	in specie	AUD	ORD	1,116	1,116
BlackRock Japan Co., Ltd.	10-Aug-20	no	n/a	collateral transfer	AUD	ORD	149	149
BlackRock Advisors (UK) Limited	10-Aug-20	no	n/a	collateral transfer	AUD	ORD	1,383	1,383
BlackRock Fund Advisors	11-Aug-20	no	n/a	in specie	AUD	ORD	10,192	10,192
BlackRock Fund Advisors	11-Aug-20	no	n/a	in specie	AUD	ORD	816	816
BlackRock Advisors (UK) Limited	11-Aug-20	yes	126.21	on mkt buy	AUD	ORD	108	108
BlackRock Investment Management, LLC	11-Aug-20	yes	126.21	on mkt buy	AUD	ORD	15,976	15,976
BlackRock Advisors (UK) Limited	12-Aug-20	yes	126.93	on mkt buy	AUD	ORD	264	264
BlackRock Fund Advisors	12-Aug-20	no	n/a	in specie	AUD	ORD	2,790	2,790
BlackRock Advisors (UK) Limited	12-Aug-20	no	n/a	collateral transfer	AUD	ORD	16,374	16,374
BlackRock Fund Advisors	13-Aug-20	no	n/a	in specie	AUD	ORD	22,176	22,176
BlackRock Fund Advisors	13-Aug-20	no	n/a	in specie	AUD	ORD	2,520	2,520
BlackRock Investment Management (UK) Limited	13-Aug-20	yes	125.76	on mkt buy	AUD	ORD	2,933	2,933
BlackRock Asset Management North Asia Limited	13-Aug-20	yes	125.76	on mkt buy	AUD	ORD	305	305
BlackRock Japan Co., Ltd.	13-Aug-20	no	n/a	collateral transfer	AUD	ORD	150,088	150,088
BlackRock Advisors (UK) Limited	13-Aug-20	no	n/a	collateral transfer	AUD	ORD	13,365	13,365
BlackRock Fund Advisors	14-Aug-20	no	n/a	in specie	AUD	ORD	1,015	1,015
BlackRock Fund Advisors	14-Aug-20	no	n/a	in specie	AUD	ORD	7,560	7,560
BlackRock Investment Management (Australia) Limited	14-Aug-20	yes	126.18	on mkt buy	AUD	ORD	232	232
BlackRock Advisors (UK) Limited	14-Aug-20	no	n/a	collateral transfer	AUD	ORD	91,159	91,159
BlackRock Asset Management North Asia Limited	14-Aug-20	no	n/a	collateral transfer	AUD	ORD	289	289
BlackRock Investment Management, LLC	14-Aug-20	no	n/a	collateral transfer	AUD	ORD	8,952	8,952
BlackRock Fund Advisors	17-Aug-20	no	n/a	in specie	AUD	ORD	818	818
BlackRock Investment Management (UK) Limited	17-Aug-20	yes	126.44	on mkt buy	AUD	ORD	8,114	8,114
BlackRock Advisors (UK) Limited	17-Aug-20	yes	126.69	on mkt buy	AUD	ORD	211	211
BlackRock Advisors (UK) Limited	17-Aug-20	yes	126.69	on mkt buy	AUD	ORD	264	264
BlackRock Japan Co., Ltd.	17-Aug-20	no	n/a	collateral transfer	AUD	ORD	94,181	94,181
BlackRock Capital Management, Inc.	17-Aug-20	no	n/a	collateral transfer	AUD	ORD	16	16
BLACKROCK FINANCIAL MANAGEMENT, INC.	17-Aug-20	no	n/a	collateral transfer	AUD	ORD	1,108	1,108
BlackRock Investment Management (UK) Limited	17-Aug-20	no	n/a	collateral transfer	AUD	ORD	5,651	5,651

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			Cash	Non-cash	CCY			
BlackRock Asset Management North Asia Limited	17-Aug-20	no	n/a	collateral transfer	AUD	ORD	63	63
BlackRock Investment Management, LLC	17-Aug-20	no	n/a	collateral transfer	AUD	ORD	8,622	8,622
BlackRock Institutional Trust Company, National Association	18-Aug-20	yes	127.59	on mkt buy	AUD	ORD	1,553	1,553
BlackRock Investment Management (Australia) Limited	18-Aug-20	yes	127.62	on mkt buy	AUD	ORD	1,468	1,468
BlackRock Advisors (UK) Limited	18-Aug-20	yes	127.62	on mkt buy	AUD	ORD	264	264
BlackRock Investment Management (UK) Limited	18-Aug-20	yes	127.62	on mkt buy	AUD	ORD	416	416
BLACKROCK ADVISORS, LLC	18-Aug-20	yes	127.62	on mkt buy	AUD	ORD	239	239
BlackRock Advisors (UK) Limited	18-Aug-20	no	n/a	collateral transfer	AUD	ORD	56,594	56,594
BlackRock Capital Management, Inc.	18-Aug-20	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Investment Management, LLC	18-Aug-20	no	n/a	collateral transfer	AUD	ORD	938	938
BlackRock Fund Advisors	19-Aug-20	no	n/a	in specie	AUD	ORD	632	632
BlackRock Institutional Trust Company, National Association	19-Aug-20	yes	128.22	on mkt buy	AUD	ORD	400	400
BlackRock Investment Management (Australia) Limited	19-Aug-20	yes	128.18	on mkt buy	AUD	ORD	873	873
BlackRock Investment Management (Australia) Limited	19-Aug-20	yes	128.20	on mkt buy	AUD	ORD	4,434	4,434
BlackRock Advisors (UK) Limited	19-Aug-20	no	n/a	collateral transfer	AUD	ORD	219,015	219,015
BLACKROCK ADVISORS, LLC	03-Sep-20	no	n/a	in specie	AUD	ORD	1,022	1,022
BLACKROCK ADVISORS, LLC	03-Sep-20	no	n/a	in specie	AUD	ORD	221	221
BLACKROCK ADVISORS, LLC	03-Sep-20	no	n/a	in specie	AUD	ORD	279	279
BLACKROCK FINANCIAL MANAGEMENT, INC.	03-Sep-20	no	n/a	in specie	AUD	ORD	185	185
BlackRock Investment Management, LLC	03-Sep-20	no	n/a	in specie	AUD	ORD	495	495
BlackRock Investment Management (Australia) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	47,949	47,949
BlackRock Investment Management (Australia) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	45	45
BlackRock Investment Management (Australia) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	2,343	2,343
BlackRock Investment Management (Australia) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	714	714
BlackRock Investment Management (Australia) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	4,771	4,771
BlackRock Investment Management (Australia) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	3,699	3,699
BlackRock Investment Management (Australia) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	19,133	19,133
BlackRock Investment Management (Australia) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	18,740	18,740
BlackRock Investment Management (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	1,797	1,797
BlackRock Asset Management Canada Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	28	28
BlackRock Asset Management Canada Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	217	217
BlackRock Asset Management Canada Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	1,184	1,184
BlackRock Advisors (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	963	963
BlackRock Advisors (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	1,133	1,133
BlackRock Advisors (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	2,275	2,275
BlackRock Advisors (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	79	79
BlackRock Advisors (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	198	198
BlackRock Advisors (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	367	367
BlackRock Advisors (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	301	301
BlackRock Fund Advisors	03-Sep-20	no	n/a	in specie	AUD	ORD	11,098	11,098
BlackRock Fund Advisors	03-Sep-20	no	n/a	in specie	AUD	ORD	345	345
BlackRock Fund Advisors	03-Sep-20	no	n/a	in specie	AUD	ORD	126	126
BlackRock Fund Advisors	03-Sep-20	no	n/a	in specie	AUD	ORD	957	957
BlackRock Fund Advisors	03-Sep-20	no	n/a	in specie	AUD	ORD	1,014	1,014
BlackRock Fund Advisors	03-Sep-20	no	n/a	in specie	AUD	ORD	2,912	2,912
BlackRock International Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	807	807
BlackRock Institutional Trust Company, National Association	03-Sep-20	no	n/a	in specie	AUD	ORD	11,290	11,290
BlackRock Institutional Trust Company, National Association	03-Sep-20	no	n/a	in specie	AUD	ORD	2,611	2,611

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	03-Sep-20	no	n/a	in specie	AUD	ORD	3,660	3,660
BlackRock Institutional Trust Company, National Association	03-Sep-20	no	n/a	in specie	AUD	ORD	886	886
BlackRock Institutional Trust Company, National Association	03-Sep-20	no	n/a	in specie	AUD	ORD	235	235
BlackRock Institutional Trust Company, National Association	03-Sep-20	no	n/a	in specie	AUD	ORD	4,101	4,101
BlackRock Institutional Trust Company, National Association	03-Sep-20	no	n/a	in specie	AUD	ORD	6,208	6,208
BlackRock Institutional Trust Company, National Association	03-Sep-20	no	n/a	in specie	AUD	ORD	3,203	3,203
BlackRock Institutional Trust Company, National Association	03-Sep-20	no	n/a	in specie	AUD	ORD	13,952	13,952
BlackRock Investment Management (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	1,153	1,153
BlackRock Investment Management (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	379	379
BlackRock Investment Management (UK) Limited	03-Sep-20	no	n/a	in specie	AUD	ORD	906	906
BlackRock Investment Management, LLC	03-Sep-20	no	n/a	in specie	AUD	ORD	839	839
BlackRock Investment Management, LLC	03-Sep-20	no	n/a	in specie	AUD	ORD	1,296	1,296

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Annexure C

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

	07-Sep-20
Haley Harris, **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 (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
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	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
BlackRock Financial Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
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 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)
BlackRock Capital Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States

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Annexure D

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

07-September-2020

Haley Harris, Authorised Signatory — Date

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

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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) Commerzbank AG **OSLA, 17 July 2002**
(h) Credit Suisse AG, Dublin Branch **GMSLA, 28 September 2015**
(i) Credit Suisse International **GMSLA, 10 March 2014**
(j) Credit Suisse Securities (Europe) Limited **GMSLA, 26 August 2015**
(k) Deutsche Bank AG, London Branch **GMSLA, 25 August 2017**
(l) Goldman Sachs International **OSLA, 3 July 2001**
(m) HSBC Bank plc GMSLA **GMSLA, 27 October 2016**
(n) ING Bank N.V. **GMSLA, 12 November 2018** (not yet operationally active)
(o) J.P. Morgan Securities plc **GMSLA, 12 July 2011**
(p) Macquarie Bank Limited **GMSLA, 18 August 2014**
(q) Merrill Lynch International **OSLA, 13 July 1999**
(r) Morgan Stanley & Co International plc **OSLA, 8 September 1999**
(s) Natixis SA **GMSLA, 29 January 2018**
(t) Nomura International plc **GMSLA, 2 November 2011**
(u) Royal Bank of Canada Europe Limited **GMSLA, 3 February 2017**
(v) Royal Bank of Scotland plc (renamed to Natwest Markets Plc) **GMSLA, 1 April 2011**
(w) Santander UK Plc **GMSLA, 25 January 2019** (not yet operationally active)
(x) Skandinaviska Enskilda Banken AB **GMSLA, 4 February 2013**
(y) Societe Generale **GMSLA, 27 January 2012**
(z) UBS AG **GMSLA, 28 April 2016**
(aa) UBS Europe SE **GMSLA, 1 February 2019**
(bb) BAL/Banco Santander, S.A. **GMSLA, 30 April 2019**
(cc) Canadian Imperial Bank of Commerce, London Branch **GMSLA, 21 June 2019**
(dd) Zürcher Kantonalbank **GMSLA, 30 October 2019**

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 Securities (Europe) Limited **GMSLA, October 2, 2015**
(h) Deutsche Bank AG, London Branch **GMSLA, June 7, 2017**
(i) Goldman Sachs International **OSLA April 1, 2004**
(j) HSBC Bank plc **GMSLA, February 12, 2013**
(k) J.P. Morgan Securities plc **GMSLA, October 4, 2016**
(l) Macquarie Bank Limited **GMSLA, October 3, 2016**
(m) Merrill Lynch International **GMSLA, February 19, 2014**
(n) Morgan Stanley & Co International plc **OSLA, February 7, 2007**
(o) Nomura International plc **GMSLA 03 August 2018 – not yet operational**
(p) Societe Generale **GMSLA, September 28, 2016**
(q) UBS AG **GMSLA, May 26, 2016**
(r) UBS Europe SE **GMSLA, 1 February 2019**
(s) The Hongkong and Shanghai Banking Corporation Limited **GMSLA, 22 February 2019**
(t) RBC Europe Limited **GMSLA, 4 February 2019**
(u) ING BANK N.V. **GMSLA, 27 February, 2019**

These counterparties do not pledge Australian equities:
(a) Lloyds Bank plc
(b) Merrill Lynch, Pierce, Fenner Smith Incorporated
(c) Unicredit

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**

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