

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**To Company Name/Scheme MACQUARIE GROUP LTDACN/ARSN 122 169 279**1. Details of substantial holder (1)**Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures
ACN/ARSN (if applicable) to this form)The holder became a substantial holder on 31 / 07 / 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	18,164,072	18,164,072	5.03
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				

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 Maria Tricarico

capacity Authorised Signatory*

sign here

date 04 / 08 / 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.

04-Aug-20

Maria Tricarico,
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		22315	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		4353	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		50115	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		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		460321	460,321		subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		309	309		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.	JPM-JPM CHASE - LONDON		509917	509,917		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		74312	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		866312	866,312		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.	STATE STREET BANK, MUNICH, ZURICH BRANCH		7612	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.	JPM-JP MORGAN CHASE - NEW YORK		10400	10,400		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		142127	142,127		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		1207	1,207		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.	JPM-JP MORGAN CHASE - NEW YORK		166317	166,317		subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Asset Management 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		2145	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		15568	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		57708	57,708		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		8025	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.	BNYM-BONY LUXEMBOURG		1813	1,813		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		1720	1,720		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		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		7308	7,308		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		35751	35,751		subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		25373	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		49418	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		2056	2,056	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		48174	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		16758	16,758	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		4249907	4,249,907	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		206495	206,495	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		4613353	4,613,353	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.	NT-NORTHERN TRUST CO. - CHICAGO		53093	53,093	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		95882	95,882		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		18683	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		843	843		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		1054	1,054		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		131421	131,421		subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC SYDNEY		523779	523,779		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		303845	303,845		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.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		979705	979,705		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		176722	176,722		subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management (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		15820	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		187005	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		1617	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		212050	212,050		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		156807	156,807		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 LUXEMBOURG		38471	38,471		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		5775	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		290597	290,597		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 BANK MIDDLE EAST LIMITED		2420	2,420		subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC - LONDON		415256	415,256	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		13556	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		6598	6,598	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		42192	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		12290	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		10216	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		423638	423,638	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		22349	22,349	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 STATE HONG KONG		16575	16,575	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		70788	70,788		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		19275	19,275		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		46608	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		13862	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-BONY LUXEMBOURG		62914	62,914		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		230955	230,955		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		202661	202,661		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		6061	6,061		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-STATE STREET MUTUAL FUNDS - BOSTON		627	627		subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH SMA		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		8354	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.	BNYM-BONY LUXEMBOURG		432	432		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		232772	232,772		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.		120000	120,000		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		4769	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.	JPM-JPM CHASE - SYDNEY		52632	52,632		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		4259	4,259		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		1270711	1,270,711		subsidiary of BlackRock Inc.

This is Annexure B of 18 pages referred to in form 603 Notice of initial substantial shareholder

04-Aug-20
Date

Maria Tricarico,
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 Institutional Trust Company, National Association	01-Apr-20	yes	88.90	on mkt buy	AUD	ORD	261	261
BlackRock Institutional Trust Company, National Association	01-Apr-20	yes	88.90	on mkt buy	AUD	ORD	107	107
BlackRock Investment Management, LLC	01-Apr-20	yes	88.90	on mkt buy	AUD	ORD	1,341	1,341
BlackRock Fund Advisors	01-Apr-20	no	n/a	in specie	AUD	ORD	944	944
BlackRock Fund Advisors	01-Apr-20	no	n/a	in specie	AUD	ORD	1,704	1,704
BlackRock Fund Advisors	01-Apr-20	no	n/a	in specie	AUD	ORD	1,065	1,065
BlackRock Fund Advisors	01-Apr-20	no	n/a	in specie	AUD	ORD	7,590	7,590
BlackRock Investment Management (Australia) Limited	01-Apr-20	yes	89.08	on mkt buy	AUD	ORD	551	551
BlackRock Investment Management (Australia) Limited	01-Apr-20	yes	89.08	on mkt buy	AUD	ORD	3,532	3,532
BlackRock Advisors (UK) Limited	01-Apr-20	yes	89.34	on mkt buy	AUD	ORD	1,508	1,508
BlackRock Advisors (UK) Limited	01-Apr-20	yes	89.34	on mkt buy	AUD	ORD	1,544	1,544
BlackRock Advisors (UK) Limited	01-Apr-20	yes	89.34	on mkt buy	AUD	ORD	462	462
BlackRock Advisors (UK) Limited	01-Apr-20	yes	89.34	on mkt buy	AUD	ORD	3,602	3,602
BLACKROCK ADVISORS, LLC	01-Apr-20	yes	89.34	on mkt buy	AUD	ORD	2,023	2,023
BlackRock Investment Management (Australia) Limited	01-Apr-20	yes	89.34	on mkt buy	AUD	ORD	1,540	1,540
BlackRock Investment Management (Australia) Limited	01-Apr-20	yes	89.34	on mkt buy	AUD	ORD	1,031	1,031
BlackRock Institutional Trust Company, National Association	01-Apr-20	yes	89.34	on mkt buy	AUD	ORD	1,913	1,913
BlackRock Fund Advisors	01-Apr-20	yes	89.34	on mkt buy	AUD	ORD	1,091	1,091
BlackRock Fund Advisors	01-Apr-20	no	n/a	in specie	AUD	ORD	534	534
BlackRock Japan Co., Ltd.	01-Apr-20	no	n/a	collateral transfer	AUD	ORD	312,229	312,229
BlackRock Advisors (UK) Limited	01-Apr-20	no	n/a	collateral transfer	AUD	ORD	542,971	542,971
BlackRock Fund Advisors	02-Apr-20	no	n/a	in specie	AUD	ORD	948	948
BlackRock Investment Management (UK) Limited	02-Apr-20	yes	88.06	on mkt buy	AUD	ORD	1,864	1,864
BlackRock Advisors (UK) Limited	02-Apr-20	yes	88.06	on mkt buy	AUD	ORD	79	79
BlackRock Advisors (UK) Limited	02-Apr-20	yes	88.06	on mkt buy	AUD	ORD	132	132
BlackRock Advisors (UK) Limited	02-Apr-20	yes	88.06	on mkt buy	AUD	ORD	254	254
BlackRock Advisors (UK) Limited	02-Apr-20	yes	88.06	on mkt buy	AUD	ORD	254	254
BlackRock Advisors (UK) Limited	02-Apr-20	yes	88.06	on mkt buy	AUD	ORD	179	179
BlackRock Investment Management, LLC	02-Apr-20	yes	88.06	on mkt buy	AUD	ORD	626	626
BlackRock Advisors (UK) Limited	02-Apr-20	yes	88.06	on mkt buy	AUD	ORD	293	293
BlackRock Japan Co., Ltd.	02-Apr-20	yes	88.06	on mkt buy	AUD	ORD	665	665
BlackRock Investment Management (Australia) Limited	02-Apr-20	yes	88.06	on mkt buy	AUD	ORD	2,754	2,754
BlackRock Japan Co., Ltd.	02-Apr-20	no	n/a	collateral transfer	AUD	ORD	267,132	267,132
BlackRock Capital Management, Inc.	02-Apr-20	no	n/a	collateral transfer	AUD	ORD	196	196
BlackRock Investment Management, LLC	02-Apr-20	no	n/a	collateral transfer	AUD	ORD	104	104
BlackRock Investment Management (UK) Limited	02-Apr-20	no	n/a	collateral transfer	AUD	ORD	35,594	35,594
BlackRock Asset Management North Asia Limited	02-Apr-20	no	n/a	collateral transfer	AUD	ORD	184	184
BlackRock Investment Management (Australia) Limited	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	596	596
BlackRock Investment Management (Australia) Limited	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	3,949	3,949
BlackRock Investment Management (Australia) Limited	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	718	718
BlackRock Advisors (UK) Limited	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	158	158
BlackRock Advisors (UK) Limited	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	42	42
BlackRock Advisors (UK) Limited	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	203	203
BlackRock Advisors (UK) Limited	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	1,771	1,771

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			Cash	Non-cash	CCY			
BLACKROCK ADVISORS, LLC	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	3,168	3,168
BlackRock Investment Management (Australia) Limited	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	35,619	35,619
BlackRock Advisors (UK) Limited	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	5,458	5,458
BlackRock Institutional Trust Company, National Association	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	6,100	6,100
BlackRock (Netherlands) B.V.	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	62	62
BlackRock Fund Advisors	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	1,478	1,478
BlackRock Institutional Trust Company, National Association	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	4,433	4,433
BlackRock Institutional Trust Company, National Association	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	1,204	1,204
BlackRock (Netherlands) B.V.	03-Apr-20	yes	84.30	on mkt buy	AUD	ORD	4,293	4,293
BlackRock Advisors (UK) Limited	03-Apr-20	no	n/a	collateral transfer	AUD	ORD	999,479	999,479
BlackRock Investment Management, LLC	03-Apr-20	no	n/a	collateral transfer	AUD	ORD	47	47
BlackRock Investment Management (UK) Limited	03-Apr-20	no	n/a	collateral transfer	AUD	ORD	3,741	3,741
BlackRock Investment Management (Australia) Limited	06-Apr-20	yes	92.00	on mkt buy	AUD	ORD	393	393
BlackRock Advisors (UK) Limited	06-Apr-20	yes	92.00	on mkt buy	AUD	ORD	893	893
BlackRock Advisors (UK) Limited	06-Apr-20	yes	92.00	on mkt buy	AUD	ORD	330	330
BlackRock Investment Management (UK) Limited	06-Apr-20	yes	92.00	on mkt buy	AUD	ORD	7,046	7,046
BlackRock Investment Management (UK) Limited	06-Apr-20	yes	92.00	on mkt buy	AUD	ORD	1,270	1,270
BlackRock Fund Advisors	06-Apr-20	no	n/a	in specie	AUD	ORD	6,000	6,000
BlackRock Capital Management, Inc.	06-Apr-20	no	n/a	collateral transfer	AUD	ORD	107	107
BlackRock Investment Management, LLC	06-Apr-20	no	n/a	collateral transfer	AUD	ORD	332	332
BlackRock Investment Management (UK) Limited	06-Apr-20	no	n/a	collateral transfer	AUD	ORD	25,874	25,874
BlackRock Asset Management North Asia Limited	06-Apr-20	no	n/a	collateral transfer	AUD	ORD	87	87
BlackRock Fund Advisors	07-Apr-20	no	n/a	in specie	AUD	ORD	3,110	3,110
BlackRock Investment Management (Australia) Limited	07-Apr-20	yes	92.45	on mkt buy	AUD	ORD	1,186	1,186
BlackRock Investment Management (Australia) Limited	07-Apr-20	yes	92.45	on mkt buy	AUD	ORD	3,590	3,590
BlackRock Advisors (UK) Limited	07-Apr-20	yes	93.07	on mkt buy	AUD	ORD	770	770
BlackRock Advisors (UK) Limited	07-Apr-20	yes	92.45	on mkt buy	AUD	ORD	108	108
BlackRock Advisors (UK) Limited	07-Apr-20	yes	92.45	on mkt buy	AUD	ORD	79	79
BlackRock Advisors (UK) Limited	07-Apr-20	yes	92.45	on mkt buy	AUD	ORD	78	78
BlackRock Advisors (UK) Limited	07-Apr-20	yes	92.45	on mkt buy	AUD	ORD	2,310	2,310
BlackRock Advisors (UK) Limited	07-Apr-20	yes	92.45	on mkt buy	AUD	ORD	121	121
BlackRock Institutional Trust Company, National Association	07-Apr-20	yes	92.45	on mkt buy	AUD	ORD	18,766	18,766
BlackRock Institutional Trust Company, National Association	07-Apr-20	yes	92.45	on mkt buy	AUD	ORD	5,666	5,666
BlackRock Institutional Trust Company, National Association	07-Apr-20	yes	92.45	on mkt buy	AUD	ORD	7,387	7,387
BlackRock Fund Advisors	07-Apr-20	no	n/a	in specie	AUD	ORD	534	534
BlackRock Fund Advisors	07-Apr-20	no	n/a	in specie	AUD	ORD	4,500	4,500
BlackRock Fund Advisors	07-Apr-20	no	n/a	in specie	AUD	ORD	1,452	1,452
BlackRock Fund Advisors	07-Apr-20	no	n/a	in specie	AUD	ORD	1,840	1,840
BlackRock Fund Advisors	07-Apr-20	no	n/a	in specie	AUD	ORD	824	824
BlackRock Japan Co., Ltd.	07-Apr-20	no	n/a	collateral transfer	AUD	ORD	47,951	47,951
BlackRock Advisors (UK) Limited	07-Apr-20	no	n/a	collateral transfer	AUD	ORD	248,410	248,410
BlackRock Fund Advisors	08-Apr-20	no	n/a	in specie	AUD	ORD	1,555	1,555
BlackRock Investment Management (Australia) Limited	08-Apr-20	yes	92.89	on mkt buy	AUD	ORD	16,110	16,110
BlackRock Investment Management (Australia) Limited	08-Apr-20	yes	92.89	on mkt buy	AUD	ORD	3,222	3,222
BlackRock Advisors (UK) Limited	08-Apr-20	yes	94.48	on mkt buy	AUD	ORD	1,540	1,540
BlackRock Advisors (UK) Limited	08-Apr-20	yes	92.89	on mkt buy	AUD	ORD	528	528
BlackRock Advisors (UK) Limited	08-Apr-20	yes	92.89	on mkt buy	AUD	ORD	254	254
BlackRock Advisors (UK) Limited	08-Apr-20	yes	92.89	on mkt buy	AUD	ORD	528	528
BlackRock Investment Management (UK) Limited	08-Apr-20	yes	92.89	on mkt buy	AUD	ORD	14,272	14,272
BlackRock Advisors (UK) Limited	08-Apr-20	yes	92.89	on mkt buy	AUD	ORD	1,018	1,018
BlackRock Advisors (UK) Limited	08-Apr-20	yes	92.89	on mkt buy	AUD	ORD	1,510	1,510

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BlackRock Institutional Trust Company, National Association	08-Apr-20	yes	92.89	on mkt buy	AUD	ORD	741	741
BlackRock Fund Advisors	08-Apr-20	yes	92.89	on mkt buy	AUD	ORD	1,537	1,537
BlackRock Asset Management North Asia Limited	08-Apr-20	no	n/a	collateral transfer	AUD	ORD	495	495
BlackRock Fund Advisors	09-Apr-20	no	n/a	in specie	AUD	ORD	482	482
BlackRock Fund Advisors	09-Apr-20	no	n/a	in specie	AUD	ORD	1,687	1,687
BlackRock Fund Advisors	09-Apr-20	yes	96.00	on mkt buy	AUD	ORD	1,606	1,606
BlackRock Investment Management (Australia) Limited	09-Apr-20	yes	99.50	on mkt buy	AUD	ORD	1,790	1,790
BlackRock Advisors (UK) Limited	09-Apr-20	yes	99.50	on mkt buy	AUD	ORD	132	132
BlackRock Advisors (UK) Limited	09-Apr-20	yes	99.50	on mkt buy	AUD	ORD	156	156
BlackRock Advisors (UK) Limited	09-Apr-20	yes	99.50	on mkt buy	AUD	ORD	190	190
BlackRock Advisors (UK) Limited	09-Apr-20	yes	99.50	on mkt buy	AUD	ORD	249	249
BlackRock Advisors (UK) Limited	09-Apr-20	yes	99.50	on mkt buy	AUD	ORD	203	203
BlackRock Japan Co., Ltd.	09-Apr-20	yes	99.50	on mkt buy	AUD	ORD	1,036	1,036
BlackRock Asset Management Canada Limited	09-Apr-20	yes	99.50	on mkt buy	AUD	ORD	905	905
BlackRock (Netherlands) B.V.	09-Apr-20	yes	99.50	on mkt buy	AUD	ORD	4,353	4,353
BlackRock Institutional Trust Company, National Association	09-Apr-20	yes	99.50	on mkt buy	AUD	ORD	791	791
BlackRock Advisors (UK) Limited	09-Apr-20	no	n/a	collateral transfer	AUD	ORD	778,664	778,664
BlackRock Capital Management, Inc.	09-Apr-20	no	n/a	collateral transfer	AUD	ORD	31	31
BlackRock Investment Management, LLC	09-Apr-20	no	n/a	collateral transfer	AUD	ORD	6,660	6,660
BlackRock Investment Management (UK) Limited	09-Apr-20	no	n/a	collateral transfer	AUD	ORD	13,176	13,176
BlackRock Asset Management North Asia Limited	09-Apr-20	no	n/a	collateral transfer	AUD	ORD	70	70
BlackRock Advisors (UK) Limited	10-Apr-20	no	n/a	collateral transfer	AUD	ORD	95,456	95,456
BlackRock Investment Management, LLC	10-Apr-20	no	n/a	collateral transfer	AUD	ORD	14,334	14,334
BlackRock Investment Management (UK) Limited	10-Apr-20	no	n/a	collateral transfer	AUD	ORD	5,122	5,122
BlackRock Fund Advisors	13-Apr-20	no	n/a	in specie	AUD	ORD	20,215	20,215
BlackRock Capital Management, Inc.	13-Apr-20	no	n/a	collateral transfer	AUD	ORD	4	4
BlackRock Asset Management North Asia Limited	13-Apr-20	no	n/a	collateral transfer	AUD	ORD	11	11
BlackRock Fund Advisors	14-Apr-20	no	n/a	in specie	AUD	ORD	3,132	3,132
BlackRock Fund Advisors	14-Apr-20	no	n/a	in specie	AUD	ORD	7,830	7,830
BlackRock Fund Advisors	14-Apr-20	no	n/a	in specie	AUD	ORD	25,056	25,056
BlackRock Fund Advisors	14-Apr-20	no	n/a	in specie	AUD	ORD	26,622	26,622
BlackRock Fund Advisors	14-Apr-20	no	n/a	in specie	AUD	ORD	1,434	1,434
BlackRock Fund Advisors	14-Apr-20	yes	99.60	on mkt buy	AUD	ORD	1,594	1,594
BLACKROCK FINANCIAL MANAGEMENT, INC.	14-Apr-20	yes	99.68	on mkt buy	AUD	ORD	769	769
BlackRock Fund Advisors	14-Apr-20	yes	99.68	on mkt buy	AUD	ORD	606	606
BLACKROCK ADVISORS, LLC	14-Apr-20	yes	99.68	on mkt buy	AUD	ORD	1,755	1,755
BlackRock Institutional Trust Company, National Association	14-Apr-20	yes	99.68	on mkt buy	AUD	ORD	58	58
BlackRock Institutional Trust Company, National Association	14-Apr-20	yes	99.68	on mkt buy	AUD	ORD	409	409
BLACKROCK ADVISORS, LLC	14-Apr-20	yes	99.68	on mkt buy	AUD	ORD	451	451
BlackRock International Limited	14-Apr-20	yes	99.68	on mkt buy	AUD	ORD	283	283
BlackRock Investment Management, LLC	14-Apr-20	yes	99.68	on mkt buy	AUD	ORD	355	355
BlackRock Investment Management (UK) Limited	14-Apr-20	yes	101.81	on mkt buy	AUD	ORD	2,142	2,142
BlackRock Advisors (UK) Limited	14-Apr-20	yes	101.81	on mkt buy	AUD	ORD	1,120	1,120
BlackRock (Netherlands) B.V.	14-Apr-20	yes	101.81	on mkt buy	AUD	ORD	197	197
BlackRock Fund Advisors	14-Apr-20	yes	101.81	on mkt buy	AUD	ORD	4,744	4,744
BlackRock Fund Advisors	14-Apr-20	yes	101.81	on mkt buy	AUD	ORD	1,594	1,594
BlackRock Institutional Trust Company, National Association	14-Apr-20	yes	101.81	on mkt buy	AUD	ORD	3,480	3,480
BlackRock Institutional Trust Company, National Association	14-Apr-20	yes	101.81	on mkt buy	AUD	ORD	123	123
BlackRock Capital Management, Inc.	14-Apr-20	no	n/a	collateral transfer	AUD	ORD	70	70
BlackRock Investment Management (UK) Limited	14-Apr-20	no	n/a	collateral transfer	AUD	ORD	316,130	316,130
BlackRock Asset Management North Asia Limited	14-Apr-20	no	n/a	collateral transfer	AUD	ORD	354	354
BlackRock Fund Advisors	15-Apr-20	no	n/a	in specie	AUD	ORD	924	924

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BlackRock Fund Advisors	15-Apr-20	no	n/a	in specie	AUD	ORD	1,155	1,155
BlackRock Fund Advisors	15-Apr-20	no	n/a	in specie	AUD	ORD	3,132	3,132
BlackRock Fund Advisors	15-Apr-20	no	n/a	in specie	AUD	ORD	1,566	1,566
BlackRock Fund Advisors	15-Apr-20	no	n/a	in specie	AUD	ORD	25,056	25,056
BlackRock Advisors (UK) Limited	15-Apr-20	yes	102.86	on mkt buy	AUD	ORD	2,624	2,624
BlackRock Advisors (UK) Limited	15-Apr-20	yes	100.96	on mkt buy	AUD	ORD	770	770
BlackRock Advisors (UK) Limited	15-Apr-20	yes	100.96	on mkt buy	AUD	ORD	158	158
BlackRock Advisors (UK) Limited	15-Apr-20	yes	100.96	on mkt buy	AUD	ORD	198	198
BlackRock Advisors (UK) Limited	15-Apr-20	yes	100.96	on mkt buy	AUD	ORD	528	528
BlackRock Investment Management (UK) Limited	15-Apr-20	yes	100.96	on mkt buy	AUD	ORD	1,559	1,559
BlackRock Institutional Trust Company, National Association	15-Apr-20	yes	100.96	on mkt buy	AUD	ORD	5,046	5,046
BlackRock Institutional Trust Company, National Association	15-Apr-20	yes	100.96	on mkt buy	AUD	ORD	10,605	10,605
BlackRock Fund Advisors	15-Apr-20	no	n/a	in specie	AUD	ORD	534	534
BlackRock Capital Management, Inc.	15-Apr-20	no	n/a	collateral transfer	AUD	ORD	30	30
BlackRock Asset Management North Asia Limited	15-Apr-20	no	n/a	collateral transfer	AUD	ORD	179	179
BlackRock Fund Advisors	16-Apr-20	no	n/a	in specie	AUD	ORD	1,840	1,840
BlackRock Investment Management (Australia) Limited	16-Apr-20	yes	99.00	on mkt buy	AUD	ORD	1,184	1,184
BlackRock Advisors (UK) Limited	16-Apr-20	yes	99.00	on mkt buy	AUD	ORD	884	884
BlackRock Advisors (UK) Limited	16-Apr-20	yes	99.00	on mkt buy	AUD	ORD	203	203
BlackRock Advisors (UK) Limited	16-Apr-20	yes	99.00	on mkt buy	AUD	ORD	254	254
BlackRock Advisors (UK) Limited	16-Apr-20	yes	99.00	on mkt buy	AUD	ORD	755	755
BlackRock Japan Co., Ltd.	16-Apr-20	yes	99.00	on mkt buy	AUD	ORD	549	549
BlackRock Advisors (UK) Limited	16-Apr-20	no	n/a	collateral transfer	AUD	ORD	101,476	101,476
BLACKROCK FINANCIAL MANAGEMENT, INC.	16-Apr-20	no	n/a	collateral transfer	AUD	ORD	73,477	73,477
BlackRock Investment Management, LLC	16-Apr-20	no	n/a	collateral transfer	AUD	ORD	115,255	115,255
BlackRock Asset Management North Asia Limited	16-Apr-20	no	n/a	collateral transfer	AUD	ORD	29	29
BlackRock Fund Advisors	17-Apr-20	no	n/a	in specie	AUD	ORD	1,880	1,880
BlackRock Fund Advisors	17-Apr-20	no	n/a	in specie	AUD	ORD	1,410	1,410
BlackRock Investment Management (Australia) Limited	17-Apr-20	yes	100.41	on mkt buy	AUD	ORD	786	786
BlackRock Investment Management (Australia) Limited	17-Apr-20	yes	100.41	on mkt buy	AUD	ORD	358	358
BlackRock Advisors (UK) Limited	17-Apr-20	yes	100.41	on mkt buy	AUD	ORD	396	396
BlackRock Institutional Trust Company, National Association	17-Apr-20	yes	100.41	on mkt buy	AUD	ORD	5,056	5,056
BlackRock Investment Management (UK) Limited	17-Apr-20	yes	100.41	on mkt buy	AUD	ORD	2,551	2,551
BlackRock Institutional Trust Company, National Association	17-Apr-20	yes	100.41	on mkt buy	AUD	ORD	6,312	6,312
BlackRock Fund Advisors	17-Apr-20	yes	100.41	on mkt buy	AUD	ORD	770	770
BlackRock Japan Co., Ltd.	17-Apr-20	no	n/a	collateral transfer	AUD	ORD	163,575	163,575
BlackRock Capital Management, Inc.	17-Apr-20	no	n/a	collateral transfer	AUD	ORD	236	236
BlackRock Fund Advisors	20-Apr-20	no	n/a	in specie	AUD	ORD	1,404	1,404
BlackRock Fund Advisors	20-Apr-20	no	n/a	in specie	AUD	ORD	3,132	3,132
BlackRock Fund Advisors	20-Apr-20	no	n/a	in specie	AUD	ORD	1,380	1,380
BlackRock Investment Management (Australia) Limited	20-Apr-20	yes	100.40	on mkt buy	AUD	ORD	80	80
BlackRock Advisors (UK) Limited	20-Apr-20	yes	100.17	on mkt buy	AUD	ORD	1,512	1,512
BLACKROCK FINANCIAL MANAGEMENT, INC.	20-Apr-20	no	n/a	collateral transfer	AUD	ORD	6,812	6,812
BlackRock Investment Management (UK) Limited	20-Apr-20	no	n/a	collateral transfer	AUD	ORD	1,055	1,055
BlackRock Investment Management (Australia) Limited	21-Apr-20	yes	98.40	on mkt buy	AUD	ORD	592	592
BlackRock Investment Management (Australia) Limited	21-Apr-20	yes	98.40	on mkt buy	AUD	ORD	3,222	3,222
BlackRock Investment Management (Australia) Limited	21-Apr-20	yes	98.40	on mkt buy	AUD	ORD	358	358
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Apr-20	yes	98.40	on mkt buy	AUD	ORD	105	105
BlackRock Advisors (UK) Limited	21-Apr-20	yes	98.40	on mkt buy	AUD	ORD	203	203
BlackRock Investment Management (UK) Limited	21-Apr-20	yes	98.40	on mkt buy	AUD	ORD	244	244

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BlackRock Institutional Trust Company, National Association	21-Apr-20	yes	98.40	on mkt buy	AUD	ORD 8,270	8,270
BlackRock Institutional Trust Company, National Association	21-Apr-20	yes	98.40	on mkt buy	AUD	ORD 147	147
BlackRock Advisors (UK) Limited	21-Apr-20	no	n/a	collateral transfer	AUD	ORD 81,114	81,114
BlackRock Capital Management, Inc.	21-Apr-20	no	n/a	collateral transfer	AUD	ORD 33	33
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Apr-20	no	n/a	collateral transfer	AUD	ORD 18,729	18,729
BlackRock Investment Management, LLC	21-Apr-20	no	n/a	collateral transfer	AUD	ORD 6,175	6,175
BlackRock Fund Advisors	22-Apr-20	no	n/a	in specie	AUD	ORD 1,398	1,398
BlackRock Investment Management (Australia) Limited	22-Apr-20	yes	97.90	on mkt buy	AUD	ORD 1,432	1,432
BlackRock Asset Management Canada Limited	22-Apr-20	yes	97.90	on mkt buy	AUD	ORD 834	834
BlackRock Institutional Trust Company, National Association	22-Apr-20	yes	97.90	on mkt buy	AUD	ORD 6,307	6,307
BlackRock Asset Management Canada Limited	22-Apr-20	yes	97.90	on mkt buy	AUD	ORD 81	81
BLACKROCK ADVISORS, LLC	22-Apr-20	yes	97.90	on mkt buy	AUD	ORD 4,125	4,125
BlackRock Japan Co., Ltd.	22-Apr-20	no	n/a	collateral transfer	AUD	ORD 176,445	176,445
BLACKROCK FINANCIAL MANAGEMENT, INC.	22-Apr-20	no	n/a	collateral transfer	AUD	ORD 10,334	10,334
BlackRock Asset Management North Asia Limited	22-Apr-20	no	n/a	collateral transfer	AUD	ORD 14	14
BlackRock Fund Advisors	23-Apr-20	no	n/a	in specie	AUD	ORD 3,132	3,132
BlackRock Institutional Trust Company, National Association	23-Apr-20	yes	96.96	on mkt buy	AUD	ORD 6,481	6,481
BlackRock Investment Management, LLC	23-Apr-20	no	n/a	collateral transfer	AUD	ORD 250,521	250,521
BlackRock Investment Management (UK) Limited	23-Apr-20	no	n/a	collateral transfer	AUD	ORD 126,064	126,064
BlackRock Asset Management North Asia Limited	23-Apr-20	no	n/a	collateral transfer	AUD	ORD 41,372	41,372
BlackRock Investment Management (Australia) Limited	24-Apr-20	yes	95.01	on mkt buy	AUD	ORD 716	716
BlackRock Investment Management (Australia) Limited	24-Apr-20	yes	95.01	on mkt buy	AUD	ORD 2,013	2,013
BlackRock Japan Co., Ltd.	24-Apr-20	no	n/a	collateral transfer	AUD	ORD 133,451	133,451
BlackRock Capital Management, Inc.	24-Apr-20	no	n/a	collateral transfer	AUD	ORD 45	45
BlackRock Fund Advisors	27-Apr-20	no	n/a	in specie	AUD	ORD 3,132	3,132
BlackRock Fund Advisors	27-Apr-20	no	n/a	in specie	AUD	ORD 7,830	7,830
BlackRock Fund Advisors	27-Apr-20	no	n/a	in specie	AUD	ORD 1,398	1,398
BlackRock Japan Co., Ltd.	27-Apr-20	no	n/a	collateral transfer	AUD	ORD 33,558	33,558
BLACKROCK FINANCIAL MANAGEMENT, INC.	27-Apr-20	no	n/a	collateral transfer	AUD	ORD 498	498
BlackRock Investment Management (UK) Limited	27-Apr-20	no	n/a	collateral transfer	AUD	ORD 1,255	1,255
BlackRock Asset Management North Asia Limited	27-Apr-20	no	n/a	collateral transfer	AUD	ORD 350	350
BlackRock Institutional Trust Company, National Association	28-Apr-20	yes	97.74	on mkt buy	AUD	ORD 5,692	5,692
BlackRock Investment Management (Australia) Limited	28-Apr-20	yes	97.74	on mkt buy	AUD	ORD 762	762
BlackRock Fund Advisors	28-Apr-20	no	n/a	in specie	AUD	ORD 2,300	2,300
BlackRock Fund Advisors	28-Apr-20	no	n/a	in specie	AUD	ORD 1,840	1,840
BlackRock Japan Co., Ltd.	28-Apr-20	no	n/a	collateral transfer	AUD	ORD 22,907	22,907
BlackRock Advisors (UK) Limited	28-Apr-20	no	n/a	collateral transfer	AUD	ORD 13,721	13,721
BlackRock Capital Management, Inc.	28-Apr-20	no	n/a	collateral transfer	AUD	ORD 7	7
BlackRock Investment Management (Australia) Limited	29-Apr-20	yes	100.10	on mkt buy	AUD	ORD 396	396
BlackRock Investment Management (Australia) Limited	29-Apr-20	yes	100.10	on mkt buy	AUD	ORD 592	592
BlackRock Investment Management (Australia) Limited	29-Apr-20	yes	100.10	on mkt buy	AUD	ORD 386	386
BlackRock Investment Management (Australia) Limited	29-Apr-20	yes	100.10	on mkt buy	AUD	ORD 716	716

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BlackRock Advisors (UK) Limited	29-Apr-20	yes	100.10	on mkt buy	AUD	ORD	252	252
BlackRock Advisors (UK) Limited	29-Apr-20	yes	100.10	on mkt buy	AUD	ORD	252	252
BlackRock Investment Management (UK) Limited	29-Apr-20	yes	100.10	on mkt buy	AUD	ORD	27,189	27,189
BlackRock Fund Advisors	29-Apr-20	no	n/a	in specie	AUD	ORD	3,132	3,132
BlackRock Capital Management, Inc.	29-Apr-20	no	n/a	collateral transfer	AUD	ORD	3	3
BLACKROCK FINANCIAL MANAGEMENT, INC.	29-Apr-20	no	n/a	collateral transfer	AUD	ORD	628	628
BlackRock Institutional Trust Company, National Association	30-Apr-20	no	n/a	in specie	AUD	ORD	1,794	1,794
BlackRock Institutional Trust Company, National Association	30-Apr-20	no	n/a	in specie	AUD	ORD	16,518	16,518
BlackRock Investment Management (UK) Limited	30-Apr-20	yes	102.47	on mkt buy	AUD	ORD	153	153
BlackRock Investment Management (Australia) Limited	30-Apr-20	yes	102.66	on mkt buy	AUD	ORD	1,074	1,074
BlackRock Investment Management (Australia) Limited	30-Apr-20	yes	102.66	on mkt buy	AUD	ORD	716	716
BlackRock Institutional Trust Company, National Association	30-Apr-20	yes	102.66	on mkt buy	AUD	ORD	2,723	2,723
BlackRock Asset Management Canada Limited	30-Apr-20	yes	102.66	on mkt buy	AUD	ORD	1,238	1,238
BlackRock Institutional Trust Company, National Association	30-Apr-20	yes	102.66	on mkt buy	AUD	ORD	1,980	1,980
BlackRock Investment Management (UK) Limited	30-Apr-20	yes	102.66	on mkt buy	AUD	ORD	1,844	1,844
BlackRock Advisors (UK) Limited	30-Apr-20	yes	102.66	on mkt buy	AUD	ORD	3,568	3,568
BlackRock Investment Management (UK) Limited	30-Apr-20	yes	102.66	on mkt buy	AUD	ORD	548	548
BlackRock Advisors (UK) Limited	30-Apr-20	yes	102.66	on mkt buy	AUD	ORD	1,931	1,931
BlackRock Fund Advisors	30-Apr-20	no	n/a	in specie	AUD	ORD	7,525	7,525
BlackRock Japan Co., Ltd.	30-Apr-20	no	n/a	collateral transfer	AUD	ORD	220,408	220,408
BlackRock Advisors (UK) Limited	30-Apr-20	no	n/a	collateral transfer	AUD	ORD	27,915	27,915
BlackRock Capital Management, Inc.	30-Apr-20	no	n/a	collateral transfer	AUD	ORD	351	351
BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Apr-20	no	n/a	collateral transfer	AUD	ORD	12,015	12,015
BlackRock Institutional Trust Company, National Association	01-May-20	yes	98.51	on mkt buy	AUD	ORD	1,370	1,370
BlackRock Advisors (UK) Limited	01-May-20	yes	98.51	on mkt buy	AUD	ORD	652	652
BlackRock Advisors (UK) Limited	01-May-20	yes	98.51	on mkt buy	AUD	ORD	509	509
BlackRock Investment Management (Australia) Limited	01-May-20	yes	96.92	on mkt buy	AUD	ORD	2,864	2,864
BLACKROCK ADVISORS, LLC	01-May-20	yes	96.92	on mkt buy	AUD	ORD	3,470	3,470
BlackRock Japan Co., Ltd.	01-May-20	no	n/a	collateral transfer	AUD	ORD	33,197	33,197
BlackRock Advisors (UK) Limited	01-May-20	no	n/a	collateral transfer	AUD	ORD	331,071	331,071
BlackRock Investment Management, LLC	01-May-20	no	n/a	collateral transfer	AUD	ORD	5,342	5,342
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 Investment Management, LLC	04-May-20	yes	97.23	on mkt buy	AUD	ORD	6,646	6,646
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 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

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			Cash	Non-cash	CCY		
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 29,852	29,852
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, LLC	06-May-20	yes	99.26	on mkt buy	AUD	ORD 949	949
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, LLC	06-May-20	no	n/a	collateral transfer	AUD	ORD 167,771	167,771
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 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 Investment Management, LLC	07-May-20	no	n/a	collateral transfer	AUD	ORD 23,867	23,867
BlackRock Asset Management North Asia Limited	07-May-20	no	n/a	collateral transfer	AUD	ORD 11,521	11,521
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, LLC	08-May-20	no	n/a	collateral transfer	AUD	ORD 8,399	8,399
BlackRock Investment Management (UK) Limited	08-May-20	no	n/a	collateral transfer	AUD	ORD 5,288	5,288
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

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			Cash	Non-cash	CCY			
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 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 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 Advisors (UK) Limited	15-May-20	no	n/a	collateral transfer	AUD	ORD	18,994	18,994
BlackRock Investment Management, LLC	15-May-20	no	n/a	collateral transfer	AUD	ORD	929	929
BlackRock Investment Management (UK) Limited	15-May-20	no	n/a	collateral transfer	AUD	ORD	52	52
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
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

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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 631	631
BlackRock Investment Management, LLC	22-May-20	no	n/a	collateral transfer	AUD	ORD 28,051	28,051
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 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
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 Advisors (UK) Limited	28-May-20	no	n/a	collateral transfer	AUD	ORD 62,623	62,623
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 Institutional Trust Company, National Association	29-May-20	no	n/a	in specie	AUD	ORD 1,719	1,719
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

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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 Investment Management, LLC	29-May-20	yes	109.97	on mkt buy	AUD	ORD 924	924
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 14,904	14,904
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	no	n/a	in specie	AUD	ORD 2,007	2,007
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 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 57,180	57,180
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
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, LLC	02-Jun-20	no	n/a	collateral transfer	AUD	ORD 31,786	31,786
BlackRock Investment Management (UK) Limited	02-Jun-20	no	n/a	collateral transfer	AUD	ORD 621	621
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, LLC	03-Jun-20	no	n/a	collateral transfer	AUD	ORD 6,575	6,575
BlackRock Investment Management (UK) Limited	03-Jun-20	no	n/a	collateral transfer	AUD	ORD 155	155
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

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			Cash	Non-cash	CCY			
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, LLC	04-Jun-20	no	n/a	collateral transfer	AUD	ORD	2,075	2,075
BlackRock Investment Management (UK) Limited	04-Jun-20	no	n/a	collateral transfer	AUD	ORD	19,050	19,050
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 Investment Management, LLC	05-Jun-20	yes	118.00	on mkt buy	AUD	ORD	4,043	4,043
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, LLC	05-Jun-20	no	n/a	collateral transfer	AUD	ORD	1,198	1,198
BlackRock Investment Management (UK) Limited	05-Jun-20	no	n/a	collateral transfer	AUD	ORD	164	164
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 Investment Management, LLC	08-Jun-20	no	n/a	collateral transfer	AUD	ORD	11,620	11,620
BlackRock Asset Management North Asia Limited	08-Jun-20	no	n/a	collateral transfer	AUD	ORD	3,657	3,657
BlackRock Fund Advisors	09-Jun-20	no	n/a	in specie	AUD	ORD	3,276	3,276
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
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	123.42	on mkt buy	AUD	ORD	557	557
BlackRock Investment Management (Australia) Limited	10-Jun-20	yes	123.27	on mkt buy	AUD	ORD	1,474	1,474
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

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			Cash	Non-cash	CCY			
BlackRock Investment Management, LLC	11-Jun-20	no	n/a	collateral transfer	AUD	ORD	16,282	16,282
BlackRock Investment Management (UK) Limited	11-Jun-20	no	n/a	collateral transfer	AUD	ORD	309	309
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, LLC	15-Jun-20	no	n/a	collateral transfer	AUD	ORD	15,515	15,515
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 (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
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

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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 Investment Management, LLC	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD 788	788
BlackRock Investment Management, LLC	19-Jun-20	yes	121.53	on mkt buy	AUD	ORD 534	534
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 939	939
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	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 Investment Management (Australia) Limited	22-Jun-20	yes	120.35	on mkt buy	AUD	ORD 1,358	1,358
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

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			Cash	Non-cash	CCY		
BlackRock Asset Management Canada Limited	23-Jun-20	yes	121.57	on mkt buy	AUD	ORD 721	721
BlackRock Investment Management, LLC	23-Jun-20	yes	121.57	on mkt buy	AUD	ORD 16,183	16,183
BlackRock (Netherlands) B.V.	23-Jun-20	yes	121.57	on mkt buy	AUD	ORD 64	64
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	121.89	on mkt buy	AUD	ORD 331	331
BlackRock Investment Management (Australia) Limited	24-Jun-20	yes	121.89	on mkt buy	AUD	ORD 1,596	1,596
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	122.13	on mkt buy	AUD	ORD 350	350
BlackRock Investment Management (Australia) Limited	24-Jun-20	yes	122.13	on mkt buy	AUD	ORD 1,687	1,687
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, LLC	25-Jun-20	no	n/a	collateral transfer	AUD	ORD 3,160	3,160
BlackRock Investment Management (UK) Limited	25-Jun-20	no	n/a	collateral transfer	AUD	ORD 8,873	8,873
BlackRock Asset Management North Asia Limited	25-Jun-20	no	n/a	collateral transfer	AUD	ORD 168	168
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
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 Institutional Trust Company, National Association	30-Jun-20	no	n/a	in specie	AUD	ORD 1,604	1,604
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

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BlackRock Investment Management, LLC	30-Jun-20	no	n/a	collateral transfer	AUD	ORD 7	7
BlackRock Investment Management (UK) Limited	30-Jun-20	no	n/a	collateral transfer	AUD	ORD 134	134
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 Investment Management (Australia) Limited	01-Jul-20	yes	120.46	on mkt buy	AUD	ORD 1,645	1,645
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, LLC	02-Jul-20	no	n/a	collateral transfer	AUD	ORD 934	934
BlackRock Investment Management (UK) Limited	02-Jul-20	no	n/a	collateral transfer	AUD	ORD 256	256
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	121.77	on mkt buy	AUD	ORD 472	472
BlackRock Investment Management (Australia) Limited	08-Jul-20	yes	121.77	on mkt buy	AUD	ORD 1,156	1,156
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
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

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected		Person's votes affected
			Cash	Non-cash	CCY			
BlackRock Japan Co., Ltd.	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, LLC	14-Jul-20	no	n/a	collateral transfer	AUD	ORD	2,485	2,485
BlackRock Investment Management (UK) Limited	14-Jul-20	no	n/a	collateral transfer	AUD	ORD	26,777	26,777
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	in specie	AUD	ORD	2,100	2,100
BlackRock Investment Management (UK) Limited	15-Jul-20	no	n/a	in specie	AUD	ORD	1,080	1,080
BlackRock Investment Management, LLC	15-Jul-20	no	n/a	collateral transfer	AUD	ORD	2,090	2,090
BlackRock Investment Management (UK) Limited	15-Jul-20	no	n/a	collateral transfer	AUD	ORD	19,305	19,305
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
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, LLC	17-Jul-20	no	n/a	collateral transfer	AUD	ORD	3,360	3,360

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	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 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 Investment Management, LLC	21-Jul-20	no	n/a	collateral transfer	AUD	ORD	10,326	10,326
BlackRock Asset Management North Asia Limited	21-Jul-20	no	n/a	collateral transfer	AUD	ORD	907	907
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 Investment Management (UK) Limited	22-Jul-20	yes	126.80	on mkt buy	AUD	ORD	1,483	1,483
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, LLC	22-Jul-20	no	n/a	collateral transfer	AUD	ORD	57,326	57,326
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 (UK) Limited	23-Jul-20	yes	126.51	on mkt buy	AUD	ORD	4,705	4,705
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 Investment Management, LLC	23-Jul-20	no	n/a	collateral transfer	AUD	ORD	10,675	10,675
BlackRock Asset Management North Asia Limited	23-Jul-20	no	n/a	collateral transfer	AUD	ORD	294	294
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, LLC	24-Jul-20	no	n/a	collateral transfer	AUD	ORD	3,051	3,051
BlackRock Investment Management (UK) Limited	24-Jul-20	no	n/a	collateral transfer	AUD	ORD	293,052	293,052
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
BlackRock Capital Management, Inc.	27-Jul-20	no	n/a	collateral transfer	AUD	ORD	12	12

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, LLC	27-Jul-20	no	n/a	collateral transfer	AUD	ORD 3,603	3,603
BlackRock Asset Management North Asia Limited	27-Jul-20	no	n/a	collateral transfer	AUD	ORD 593	593
BlackRock Advisors (UK) Limited	28-Jul-20	yes	124.57	on mkt buy	AUD	ORD 166	166
BlackRock Advisors (UK) Limited	28-Jul-20	yes	124.57	on mkt buy	AUD	ORD 475	475
BlackRock Capital Management, Inc.	28-Jul-20	no	n/a	collateral transfer	AUD	ORD 6	6
BlackRock Investment Management (UK) Limited	28-Jul-20	no	n/a	collateral transfer	AUD	ORD 29,982	29,982
BLACKROCK FINANCIAL MANAGEMENT, INC.	29-Jul-20	no	n/a	in specie	AUD	ORD 1,633	1,633
BlackRock Fund Advisors	29-Jul-20	no	n/a	in specie	AUD	ORD 480	480
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 Investment Management, LLC	29-Jul-20	no	n/a	collateral transfer	AUD	ORD 10,566	10,566
BlackRock Asset Management North Asia Limited	29-Jul-20	no	n/a	collateral transfer	AUD	ORD 587	587
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 Institutional Trust Company, National Association	31-Jul-20	no	n/a	in specie	AUD	ORD 3,635	3,635
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, LLC	31-Jul-20	no	n/a	collateral transfer	AUD	ORD 2,095	2,095
BlackRock Investment Management (UK) Limited	31-Jul-20	no	n/a	collateral transfer	AUD	ORD 40,357	40,357

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

04-Aug-20

Maria Tricarico,
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 Capital Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
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)

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

.....04-August-2020
 Maria Tricarico, 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.

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, 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**