

**Form 603**Corporations Act 2001  
Section 671B**Notice of initial substantial holder**To Company Name/Scheme MINERAL RESOURCES LTDACN/ARSN 118 549 910**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 28 / 02 / 2022**2. Details of voting power**

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
ord	10,223,360	10,223,360	5.41

**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		

**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 02 / 03 / 2022

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

**DIRECTIONS**

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

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

This is Annexure A of 7 pages referred to in form 603 Notice of initial substantial shareholder

## Annexure A

02-Mar-22

Date

**Maria Tricarico,**  
**Authorised Signatory**

### 3. Details of Relevant Interests

### 4. Details of present registered holders

### 6. Associates

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ORD 108,846	108,846	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		ORD 134,283	134,283	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD 38,393	38,393	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET DUBLIN		ORD 830,205	830,205	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ORD 5,704	5,704	subsidiary of BlackRock Inc.

<b>Holder of Relevant Interests Name and ACN / ARSN (if applicable)</b>	<b>Nature of Relevant Interest</b>	<b>Registered Holder of Securities</b>	<b>Person entitled to be registered as holder</b>	<b>Class and number of Securities</b>	<b>Person's votes</b>	<b>Nature of Association</b>
BLACKROCK ADVISORS LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD 23,830	23,830	subsidiary of BlackRock Inc.
BLACKROCK ADVISORS LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 2,132	2,132	subsidiary of BlackRock Inc.
BLACKROCK ADVISORS LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD 86,385	86,385	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD 539	539	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		ORD 82,316	82,316	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 8,038	8,038	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD 39,742	39,742	subsidiary of BlackRock Inc.
BlackRock Asset Management Deutschland AG	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, GERMANY		ORD 204,462	204,462	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIBANK, HONG KONG		ORD 800	800	subsidiary of BlackRock Inc.

<b>Holder of Relevant Interests Name and ACN / ARSN (if applicable)</b>	<b>Nature of Relevant Interest</b>	<b>Registered Holder of Securities</b>	<b>Person entitled to be registered as holder</b>	<b>Class and number of Securities</b>	<b>Person's votes</b>	<b>Nature of Association</b>
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Singapore		ORD 350	350	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 3,727	3,727	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD 18,017	18,017	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD 9,018	9,018	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD 3,031	3,031	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK & TRUST TORONTO		ORD 880	880	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD 24,450	24,450	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD 6,266	6,266	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD 2,865,054	2,865,054	subsidiary of BlackRock Inc.

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BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD 89,312	89,312	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 2,085,723	2,085,723	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		ORD 23,647	23,647	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 5,926	5,926	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD 11,324	11,324	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD 349	349	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD 42,718	42,718	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.	CITI-Citigroup Australia - SYDNEY		ORD 1,917	1,917	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC SYDNEY		ORD 258,588	258,588	subsidiary of BlackRock Inc.

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BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - SYDNEY		ORD 312,299	312,299	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		ORD 395,719	395,719	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Singapore		ORD 123,535	123,535	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BANK OF NY BRUS		ORD 394,394	394,394	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ORD 90,721	90,721	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CB-Caceis Bank Amsterdam		ORD 247,370	247,370	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIBANK, LONDON		ORD 100,210	100,210	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.	CREDIT SUISSE (ZURICH)		ORD 13,677	13,677	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		ORD 2,136	2,136	subsidiary of BlackRock Inc.

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BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC - LONDON		ORD 191,153	191,153	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Luxembourg		ORD 16,013	16,013	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD 186,558	186,558	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SEB-SKANDINAVISKA ENSKILDA BANKEN		ORD 25,406	25,406	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		ORD 5,971	5,971	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ORD 25,620	25,620	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, GERMANY		ORD 25,295	25,295	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET LONDON		ORD 29,575	29,575	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 6,871	6,871	subsidiary of BlackRock Inc.

<b>Holder of Relevant Interests Name and ACN / ARSN (if applicable)</b>	<b>Nature of Relevant Interest</b>	<b>Registered Holder of Securities</b>	<b>Person entitled to be registered as holder</b>	<b>Class and number of Securities</b>	<b>Person's votes</b>	<b>Nature of Association</b>
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD 126,343	126,343	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 84,631	84,631	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 4,977	4,977	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 200,381	200,381	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD 1,667	1,667	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.	JPM-JPM CHASE - SYDNEY		ORD 596,866	596,866	subsidiary of BlackRock Inc.

This is Annexure B of 12 pages referred to in form 603 Notice of initial substantial shareholder

02-Mar-22

Maria Tricarico,  
Authorised Signatory

Date

## 5. Consideration

MINERAL RESOURCES LTD (MIN)									
Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected		
			Cash	Non-cash	CCY				
BlackRock Investment Management (Australia) Limited	29-Oct-21	yes	38.59	on mkt buy	AUD	ORD	512	512	
BlackRock Investment Management (Australia) Limited	29-Oct-21	yes	38.59	on mkt buy	AUD	ORD	2,327	2,327	
BlackRock Investment Management (Australia) Limited	29-Oct-21	yes	38.59	on mkt buy	AUD	ORD	716	716	
BlackRock Investment Management (UK) Limited	29-Oct-21	yes	38.59	on mkt buy	AUD	ORD	13,255	13,255	
BlackRock Institutional Trust Company, National Association	29-Oct-21	yes	38.59	on mkt buy	AUD	ORD	2,005	2,005	
BlackRock Fund Advisors	02-Nov-21	no	n/a	in specie	AUD	ORD	560	560	
BlackRock Advisors (UK) Limited	02-Nov-21	yes	37.74	on mkt buy	AUD	ORD	3,288	3,288	
BlackRock Investment Management, LLC	02-Nov-21	yes	37.61	on mkt buy	AUD	ORD	281	281	
BlackRock Fund Advisors	02-Nov-21	no	n/a	in specie	AUD	ORD	3,960	3,960	
BlackRock Investment Management (Australia) Limited	03-Nov-21	no	n/a	in specie	AUD	ORD	30,144	30,144	
BlackRock Investment Management (Australia) Limited	03-Nov-21	yes	39.08	on mkt buy	AUD	ORD	3,759	3,759	
BlackRock Investment Management (Australia) Limited	03-Nov-21	yes	39.08	on mkt buy	AUD	ORD	256	256	
BlackRock Institutional Trust Company, National Association	04-Nov-21	yes	38.16	on mkt buy	AUD	ORD	1,014	1,014	
BlackRock Fund Advisors	05-Nov-21	no	n/a	in specie	AUD	ORD	1,120	1,120	
BlackRock Fund Advisors	05-Nov-21	no	n/a	in specie	AUD	ORD	616	616	
BlackRock Investment Management (Australia) Limited	05-Nov-21	yes	37.88	on mkt buy	AUD	ORD	3,580	3,580	
BlackRock Investment Management (Australia) Limited	05-Nov-21	yes	37.88	on mkt buy	AUD	ORD	2,148	2,148	
BlackRock Investment Management (Australia) Limited	05-Nov-21	yes	37.88	on mkt buy	AUD	ORD	358	358	
BlackRock Investment Management (Australia) Limited	05-Nov-21	yes	37.88	on mkt buy	AUD	ORD	256	256	
BlackRock Fund Advisors	08-Nov-21	no	n/a	in specie	AUD	ORD	530	530	
BlackRock Fund Advisors	08-Nov-21	no	n/a	in specie	AUD	ORD	2,277	2,277	
BlackRock Investment Management (Australia) Limited	08-Nov-21	yes	38.39	on mkt buy	AUD	ORD	203	203	
BlackRock Advisors (UK) Limited	08-Nov-21	yes	38.39	on mkt buy	AUD	ORD	410	410	
BlackRock Institutional Trust Company, National Association	08-Nov-21	yes	38.39	on mkt buy	AUD	ORD	8,708	8,708	
BlackRock Fund Advisors	09-Nov-21	no	n/a	in specie	AUD	ORD	6,858	6,858	
BlackRock Fund Advisors	09-Nov-21	no	n/a	in specie	AUD	ORD	896	896	
BlackRock Investment Management (Australia) Limited	10-Nov-21	yes	37.05	on mkt buy	AUD	ORD	256	256	
BlackRock Investment Management, LLC	10-Nov-21	yes	37.05	on mkt buy	AUD	ORD	377	377	
BlackRock Fund Advisors	10-Nov-21	no	n/a	in specie	AUD	ORD	1,524	1,524	
BlackRock Fund Advisors	10-Nov-21	no	n/a	in specie	AUD	ORD	2,640	2,640	
BlackRock Fund Advisors	15-Nov-21	no	n/a	in specie	AUD	ORD	318	318	
BlackRock Fund Advisors	15-Nov-21	no	n/a	in specie	AUD	ORD	536	536	
BlackRock Investment Management, LLC	15-Nov-21	yes	41.17	on mkt buy	AUD	ORD	1,697	1,697	
BlackRock Institutional Trust Company, National Association	15-Nov-21	no	n/a	in specie	AUD	ORD	2,195	2,195	
BlackRock Investment Management, LLC	16-Nov-21	yes	40.89	on mkt buy	AUD	ORD	829	829	
BlackRock Advisors (UK) Limited	16-Nov-21	yes	40.89	on mkt buy	AUD	ORD	1,644	1,644	
BlackRock Advisors (UK) Limited	17-Nov-21	yes	40.90	on mkt buy	AUD	ORD	205	205	
BlackRock Advisors (UK) Limited	17-Nov-21	yes	40.90	on mkt buy	AUD	ORD	410	410	
BlackRock Fund Advisors	17-Nov-21	no	n/a	in specie	AUD	ORD	1,848	1,848	
BlackRock Fund Advisors	18-Nov-21	no	n/a	in specie	AUD	ORD	321	321	
BlackRock Investment Management (Australia) Limited	18-Nov-21	yes	40.00	on mkt buy	AUD	ORD	256	256	
BlackRock Fund Advisors	18-Nov-21	no	n/a	in specie	AUD	ORD	1,197	1,197	
BlackRock Investment Management (Australia) Limited	18-Nov-21	yes	40.00	on mkt buy	AUD	ORD	256	256	

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	19-Nov-21	yes	41.38	on mkt buy	AUD	ORD	1,790	1,790
BlackRock Advisors (UK) Limited	19-Nov-21	yes	41.38	on mkt buy	AUD	ORD	615	615
BlackRock Investment Management, LLC	19-Nov-21	yes	41.38	on mkt buy	AUD	ORD	391	391
BlackRock Fund Advisors	19-Nov-21	no	n/a	in specie	AUD	ORD	4,356	4,356
BlackRock Fund Advisors	22-Nov-21	no	n/a	in specie	AUD	ORD	1,584	1,584
BlackRock Fund Advisors	22-Nov-21	yes	42.03	on mkt buy	AUD	ORD	3,444	3,444
BlackRock Investment Management (Australia) Limited	23-Nov-21	yes	44.10	on mkt buy	AUD	ORD	179	179
BlackRock Investment Management (Australia) Limited	23-Nov-21	yes	44.10	on mkt buy	AUD	ORD	2,685	2,685
BlackRock Fund Advisors	23-Nov-21	no	n/a	in specie	AUD	ORD	318	318
BlackRock Investment Management (Australia) Limited	24-Nov-21	yes	43.81	on mkt buy	AUD	ORD	1,024	1,024
BlackRock Investment Management (Australia) Limited	24-Nov-21	yes	43.81	on mkt buy	AUD	ORD	1,790	1,790
BlackRock Advisors (UK) Limited	24-Nov-21	yes	43.81	on mkt buy	AUD	ORD	6,572	6,572
BlackRock Fund Advisors	24-Nov-21	yes	43.81	on mkt buy	AUD	ORD	67	67
BlackRock Advisors (UK) Limited	25-Nov-21	yes	45.75	on mkt buy	AUD	ORD	1,226	1,226
BlackRock Investment Management (Australia) Limited	26-Nov-21	yes	43.53	on mkt buy	AUD	ORD	716	716
BlackRock Advisors (UK) Limited	26-Nov-21	yes	43.53	on mkt buy	AUD	ORD	205	205
BlackRock Fund Advisors	26-Nov-21	yes	43.53	on mkt buy	AUD	ORD	1,792	1,792
BlackRock Investment Management (Australia) Limited	29-Nov-21	yes	44.99	on mkt buy	AUD	ORD	2,148	2,148
BlackRock Investment Management (Australia) Limited	29-Nov-21	yes	44.99	on mkt buy	AUD	ORD	785	785
BlackRock Investment Management (Australia) Limited	30-Nov-21	yes	45.26	on mkt buy	AUD	ORD	895	895
BlackRock Investment Management (UK) Limited	30-Nov-21	yes	45.26	on mkt buy	AUD	ORD	1,581	1,581
BlackRock Investment Management (Australia) Limited	30-Nov-21	yes	45.26	on mkt buy	AUD	ORD	450	450
BlackRock Institutional Trust Company, National Association	30-Nov-21	yes	45.26	on mkt buy	AUD	ORD	2,708	2,708
BlackRock Asset Management Deutschland AG	01-Dec-21	yes	44.92	on mkt buy	AUD	ORD	952	952
BlackRock Fund Advisors	02-Dec-21	no	n/a	in specie	AUD	ORD	2,376	2,376
BlackRock Advisors (UK) Limited	02-Dec-21	yes	44.92	on mkt buy	AUD	ORD	205	205
BlackRock Investment Management (Australia) Limited	03-Dec-21	yes	45.04	on mkt buy	AUD	ORD	255	255
BlackRock Asset Management Deutschland AG	03-Dec-21	yes	44.78	on mkt buy	AUD	ORD	952	952
BLACKROCK FINANCIAL MANAGEMENT, INC.	03-Dec-21	yes	44.78	on mkt buy	AUD	ORD	42	42
BlackRock Fund Advisors	03-Dec-21	no	n/a	in specie	AUD	ORD	400	400
BlackRock Fund Advisors	03-Dec-21	no	n/a	in specie	AUD	ORD	6,535	6,535
BlackRock Fund Advisors	06-Dec-21	yes	44.43	on mkt buy	AUD	ORD	110	110
BlackRock Investment Management (Australia) Limited	06-Dec-21	yes	43.99	on mkt buy	AUD	ORD	14,320	14,320
BlackRock Fund Advisors	07-Dec-21	no	n/a	in specie	AUD	ORD	312	312
BlackRock Investment Management (Australia) Limited	07-Dec-21	yes	44.47	on mkt buy	AUD	ORD	15,215	15,215
BlackRock Advisors (UK) Limited	07-Dec-21	yes	44.47	on mkt buy	AUD	ORD	410	410
BlackRock Fund Advisors	09-Dec-21	no	n/a	in specie	AUD	ORD	370	370
BlackRock Institutional Trust Company, National Association	09-Dec-21	yes	47.20	on mkt buy	AUD	ORD	959	959
BlackRock Institutional Trust Company, National Association	10-Dec-21	yes	47.57	on mkt buy	AUD	ORD	709	709
BlackRock Investment Management (Australia) Limited	14-Dec-21	yes	49.41	on mkt buy	AUD	ORD	1,044	1,044
BlackRock Fund Advisors	15-Dec-21	yes	49.00	on mkt buy	AUD	ORD	2,879	2,879
BlackRock Institutional Trust Company, National Association	17-Dec-21	yes	49.48	on mkt buy	AUD	ORD	6,722	6,722
BlackRock Investment Management (UK) Limited	17-Dec-21	yes	49.48	on mkt buy	AUD	ORD	5,090	5,090
BlackRock Investment Management (Australia) Limited	17-Dec-21	yes	49.48	on mkt buy	AUD	ORD	133	133
BLACKROCK FINANCIAL MANAGEMENT, INC.	17-Dec-21	yes	49.48	on mkt buy	AUD	ORD	1,593	1,593
BLACKROCK FINANCIAL MANAGEMENT, INC.	17-Dec-21	yes	49.48	on mkt buy	AUD	ORD	1,403	1,403
BlackRock Investment Management (Australia) Limited	20-Dec-21	no	n/a	in specie	AUD	ORD	35,878	35,878
BlackRock Fund Advisors	20-Dec-21	no	n/a	in specie	AUD	ORD	1,426	1,426
BlackRock Fund Advisors	20-Dec-21	no	n/a	in specie	AUD	ORD	1,782	1,782

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			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	20-Dec-21	yes	49.24	on mkt buy	AUD	ORD	207	207
BlackRock Advisors (UK) Limited	20-Dec-21	yes	49.24	on mkt buy	AUD	ORD	1,621	1,621
BlackRock Investment Management (Australia) Limited	20-Dec-21	yes	49.24	on mkt buy	AUD	ORD	1,975	1,975
BlackRock Investment Management (Australia) Limited	20-Dec-21	yes	49.24	on mkt buy	AUD	ORD	63	63
BlackRock Fund Advisors	21-Dec-21	yes	50.11	on mkt buy	AUD	ORD	73	73
BlackRock Investment Management (Australia) Limited	22-Dec-21	yes	52.00	on mkt buy	AUD	ORD	257	257
BlackRock Fund Advisors	23-Dec-21	no	n/a	in specie	AUD	ORD	480	480
BlackRock Fund Advisors	23-Dec-21	no	n/a	in specie	AUD	ORD	1,476	1,476
BlackRock Fund Advisors	23-Dec-21	no	n/a	in specie	AUD	ORD	2,700	2,700
BlackRock Advisors (UK) Limited	23-Dec-21	yes	53.19	on mkt buy	AUD	ORD	410	410
BlackRock Investment Management (Australia) Limited	29-Dec-21	yes	56.00	on mkt buy	AUD	ORD	5,815	5,815
BlackRock Investment Management (Australia) Limited	29-Dec-21	yes	56.00	on mkt buy	AUD	ORD	12,050	12,050
BlackRock Fund Advisors	29-Dec-21	no	n/a	in specie	AUD	ORD	252	252
BlackRock Investment Management (Australia) Limited	29-Dec-21	yes	56.20	on mkt buy	AUD	ORD	534	534
BlackRock Fund Advisors	30-Dec-21	no	n/a	in specie	AUD	ORD	594	594
BlackRock Institutional Trust Company, National Association	30-Dec-21	yes	57.54	on mkt buy	AUD	ORD	2,689	2,689
BlackRock Fund Advisors	03-Jan-22	no	n/a	in specie	AUD	ORD	392	392
BlackRock Fund Advisors	04-Jan-22	no	n/a	in specie	AUD	ORD	288	288
BlackRock Fund Advisors	04-Jan-22	no	n/a	in specie	AUD	ORD	384	384
BlackRock Asset Management North Asia Limited	04-Jan-22	yes	59.07	on mkt buy	AUD	ORD	350	350
BlackRock Investment Management (Australia) Limited	04-Jan-22	yes	58.68	on mkt buy	AUD	ORD	2,492	2,492
BlackRock Investment Management (Australia) Limited	05-Jan-22	yes	58.53	on mkt buy	AUD	ORD	593	593
BlackRock Investment Management (Australia) Limited	05-Jan-22	yes	58.53	on mkt buy	AUD	ORD	3,272	3,272
BlackRock Investment Management (Australia) Limited	05-Jan-22	yes	58.53	on mkt buy	AUD	ORD	19,050	19,050
BlackRock Fund Advisors	05-Jan-22	no	n/a	in specie	AUD	ORD	1,143	1,143
BlackRock Advisors (UK) Limited	05-Jan-22	yes	58.43	on mkt buy	AUD	ORD	410	410
BlackRock Advisors (UK) Limited	06-Jan-22	yes	57.94	on mkt buy	AUD	ORD	205	205
BlackRock Fund Advisors	06-Jan-22	yes	57.94	on mkt buy	AUD	ORD	60	60
BlackRock Fund Advisors	06-Jan-22	yes	57.94	on mkt buy	AUD	ORD	290	290
BlackRock Investment Management (Australia) Limited	07-Jan-22	yes	58.92	on mkt buy	AUD	ORD	7,163	7,163
BlackRock Fund Advisors	07-Jan-22	no	n/a	in specie	AUD	ORD	507	507
BlackRock Investment Management (Australia) Limited	07-Jan-22	yes	59.05	on mkt buy	AUD	ORD	207	207
BlackRock Investment Management (UK) Limited	11-Jan-22	yes	60.73	on mkt buy	AUD	ORD	15,962	15,962
BlackRock Investment Management (Australia) Limited	12-Jan-22	yes	62.32	on mkt buy	AUD	ORD	1,667	1,667
BlackRock Investment Management (Australia) Limited	12-Jan-22	yes	62.32	on mkt buy	AUD	ORD	7,956	7,956
BlackRock Investment Management (Australia) Limited	12-Jan-22	yes	62.32	on mkt buy	AUD	ORD	4,407	4,407
BlackRock Investment Management (Australia) Limited	12-Jan-22	yes	62.32	on mkt buy	AUD	ORD	22,914	22,914
BlackRock Fund Advisors	13-Jan-22	no	n/a	in specie	AUD	ORD	285	285
BlackRock Advisors (UK) Limited	13-Jan-22	yes	64.26	on mkt buy	AUD	ORD	410	410
BlackRock Investment Management (Australia) Limited	14-Jan-22	yes	65.00	on mkt buy	AUD	ORD	3,604	3,604
BlackRock Fund Advisors	14-Jan-22	no	n/a	in specie	AUD	ORD	95	95
BlackRock Fund Advisors	18-Jan-22	no	n/a	in specie	AUD	ORD	4,800	4,800
BlackRock Advisors (UK) Limited	18-Jan-22	yes	64.35	on mkt buy	AUD	ORD	205	205
BlackRock Fund Advisors	18-Jan-22	no	n/a	in specie	AUD	ORD	3,840	3,840
BlackRock Investment Management (Australia) Limited	19-Jan-22	yes	64.29	on mkt buy	AUD	ORD	13,209	13,209
BlackRock Asset Management Deutschland AG	19-Jan-22	yes	64.20	on mkt buy	AUD	ORD	935	935
BlackRock Investment Management (UK) Limited	19-Jan-22	yes	64.20	on mkt buy	AUD	ORD	1,293	1,293
BlackRock Fund Advisors	20-Jan-22	no	n/a	in specie	AUD	ORD	1,200	1,200
BlackRock Fund Advisors	20-Jan-22	no	n/a	in specie	AUD	ORD	288	288
BlackRock Fund Advisors	20-Jan-22	no	n/a	in specie	AUD	ORD	288	288
BlackRock Fund Advisors	20-Jan-22	no	n/a	in specie	AUD	ORD	288	288
BlackRock Fund Advisors	20-Jan-22	no	n/a	in specie	AUD	ORD	576	576

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			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	21-Jan-22	yes	63.78	on mkt buy	AUD	ORD	4,339	4,339
BlackRock Fund Advisors	21-Jan-22	no	n/a	in specie	AUD	ORD	1,200	1,200
BlackRock Fund Advisors	25-Jan-22	no	n/a	in specie	AUD	ORD	1,800	1,800
BlackRock Fund Advisors	25-Jan-22	no	n/a	in specie	AUD	ORD	3,810	3,810
BlackRock Fund Advisors	27-Jan-22	no	n/a	in specie	AUD	ORD	2,100	2,100
BlackRock Advisors (UK) Limited	27-Jan-22	yes	53.94	on mkt buy	AUD	ORD	410	410
BlackRock Fund Advisors	27-Jan-22	no	n/a	in specie	AUD	ORD	1,890	1,890
BlackRock Investment Management (Australia) Limited	28-Jan-22	yes	53.85	on mkt buy	AUD	ORD	2,380	2,380
BlackRock Investment Management (Australia) Limited	28-Jan-22	yes	53.85	on mkt buy	AUD	ORD	2,380	2,380
BlackRock Institutional Trust Company, National Association	28-Jan-22	yes	53.90	on mkt buy	AUD	ORD	969	969
BlackRock Investment Management (Australia) Limited	28-Jan-22	yes	53.85	on mkt buy	AUD	ORD	2,380	2,380
BlackRock Investment Management (Australia) Limited	28-Jan-22	yes	53.85	on mkt buy	AUD	ORD	414	414
BlackRock Investment Management (Australia) Limited	28-Jan-22	yes	53.85	on mkt buy	AUD	ORD	680	680
BlackRock Fund Advisors	28-Jan-22	no	n/a	in specie	AUD	ORD	5,120	5,120
BlackRock Investment Management (Australia) Limited	31-Jan-22	yes	55.41	on mkt buy	AUD	ORD	4,250	4,250
BlackRock Institutional Trust Company, National Association	31-Jan-22	yes	55.41	on mkt buy	AUD	ORD	1,719	1,719
BlackRock Fund Advisors	31-Jan-22	no	n/a	in specie	AUD	ORD	686	686
BlackRock Investment Management (UK) Limited	01-Feb-22	yes	57.19	on mkt buy	AUD	ORD	6,832	6,832
BlackRock Fund Advisors	02-Feb-22	no	n/a	in specie	AUD	ORD	1,200	1,200
BlackRock Investment Management (Australia) Limited	02-Feb-22	yes	58.61	on mkt buy	AUD	ORD	164	164
BlackRock Investment Management (Australia) Limited	02-Feb-22	yes	58.61	on mkt buy	AUD	ORD	2,975	2,975
BlackRock Advisors (UK) Limited	02-Feb-22	yes	58.65	on mkt buy	AUD	ORD	615	615
BlackRock Advisors (UK) Limited	02-Feb-22	yes	58.65	on mkt buy	AUD	ORD	205	205
BlackRock Fund Advisors	02-Feb-22	no	n/a	in specie	AUD	ORD	2,520	2,520
BlackRock Fund Advisors	02-Feb-22	no	n/a	in specie	AUD	ORD	485	485
BlackRock Institutional Trust Company, National Association	03-Feb-22	yes	58.89	on mkt buy	AUD	ORD	8,680	8,680
BlackRock Institutional Trust Company, National Association	03-Feb-22	yes	58.89	on mkt buy	AUD	ORD	1,957	1,957
BlackRock Institutional Trust Company, National Association	03-Feb-22	yes	58.89	on mkt buy	AUD	ORD	5,456	5,456
BlackRock Investment Management (UK) Limited	03-Feb-22	yes	58.89	on mkt buy	AUD	ORD	2,850	2,850
BlackRock Investment Management (UK) Limited	03-Feb-22	yes	58.89	on mkt buy	AUD	ORD	7,787	7,787
BlackRock Investment Management (UK) Limited	03-Feb-22	yes	58.89	on mkt buy	AUD	ORD	1,296	1,296
BlackRock Institutional Trust Company, National Association	03-Feb-22	yes	58.89	on mkt buy	AUD	ORD	2,483	2,483
BlackRock Advisors (UK) Limited	03-Feb-22	yes	58.89	on mkt buy	AUD	ORD	574	574
BlackRock Advisors (UK) Limited	03-Feb-22	yes	58.65	on mkt buy	AUD	ORD	205	205
BlackRock Investment Management (Australia) Limited	04-Feb-22	yes	58.10	on mkt buy	AUD	ORD	2,890	2,890
BlackRock Fund Advisors	04-Feb-22	no	n/a	in specie	AUD	ORD	7,200	7,200
BlackRock Fund Advisors	04-Feb-22	no	n/a	in specie	AUD	ORD	900	900
BlackRock Investment Management (Australia) Limited	04-Feb-22	yes	57.88	on mkt buy	AUD	ORD	237	237
BlackRock Advisors (UK) Limited	04-Feb-22	yes	58.10	on mkt buy	AUD	ORD	1,661	1,661
BlackRock Investment Management (UK) Limited	04-Feb-22	yes	58.10	on mkt buy	AUD	ORD	6,972	6,972
BlackRock Investment Management (Australia) Limited	04-Feb-22	yes	58.10	on mkt buy	AUD	ORD	483	483
BlackRock Asset Management Deutschland AG	04-Feb-22	yes	58.10	on mkt buy	AUD	ORD	6,964	6,964
BlackRock Advisors (UK) Limited	04-Feb-22	yes	58.10	on mkt buy	AUD	ORD	9,343	9,343
BlackRock Fund Advisors	04-Feb-22	no	n/a	in specie	AUD	ORD	2,520	2,520
BlackRock Investment Management (Australia) Limited	07-Feb-22	yes	58.76	on mkt buy	AUD	ORD	1,080	1,080
BlackRock Fund Advisors	07-Feb-22	no	n/a	in specie	AUD	ORD	588	588
BlackRock Fund Advisors	08-Feb-22	no	n/a	in specie	AUD	ORD	1,500	1,500
BlackRock Investment Management (Australia) Limited	08-Feb-22	yes	57.88	on mkt buy	AUD	ORD	11,220	11,220
BlackRock Fund Advisors	08-Feb-22	no	n/a	in specie	AUD	ORD	2,413	2,413

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BlackRock Investment Management (Australia) Limited	09-Feb-22	yes	52.93	on mkt buy	AUD	ORD	1,962	1,962
BlackRock Investment Management (Australia) Limited	09-Feb-22	yes	52.93	on mkt buy	AUD	ORD	10,185	10,185
BlackRock Investment Management (Australia) Limited	09-Feb-22	yes	52.93	on mkt buy	AUD	ORD	5,081	5,081
BlackRock Investment Management (Australia) Limited	09-Feb-22	yes	53.15	on mkt buy	AUD	ORD	473	473
BlackRock Fund Advisors	09-Feb-22	no	n/a	in specie	AUD	ORD	1,200	1,200
BlackRock Investment Management (Australia) Limited	09-Feb-22	yes	52.72	on mkt buy	AUD	ORD	2,210	2,210
BlackRock Asset Management Deutschland AG	09-Feb-22	yes	52.72	on mkt buy	AUD	ORD	970	970
BlackRock Advisors (UK) Limited	09-Feb-22	yes	52.72	on mkt buy	AUD	ORD	205	205
BlackRock Investment Management, LLC	09-Feb-22	yes	52.72	on mkt buy	AUD	ORD	718	718
BlackRock Investment Management (Australia) Limited	09-Feb-22	yes	52.72	on mkt buy	AUD	ORD	206	206
BlackRock Advisors (UK) Limited	10-Feb-22	yes	54.62	on mkt buy	AUD	ORD	1,658	1,658
BlackRock Fund Advisors	10-Feb-22	no	n/a	in specie	AUD	ORD	1,800	1,800
BlackRock Fund Advisors	11-Feb-22	no	n/a	in specie	AUD	ORD	2,107	2,107
BlackRock Investment Management (Australia) Limited	11-Feb-22	yes	53.33	on mkt buy	AUD	ORD	1,804	1,804
BlackRock Asset Management Deutschland AG	11-Feb-22	yes	53.20	on mkt buy	AUD	ORD	2,913	2,913
BlackRock Advisors (UK) Limited	11-Feb-22	yes	53.20	on mkt buy	AUD	ORD	205	205
BlackRock Fund Advisors	11-Feb-22	yes	53.20	on mkt buy	AUD	ORD	572	572
BlackRock Fund Advisors	14-Feb-22	no	n/a	in specie	AUD	ORD	903	903
BlackRock Investment Management (Australia) Limited	14-Feb-22	yes	51.17	on mkt buy	AUD	ORD	510	510
BlackRock Asset Management Deutschland AG	14-Feb-22	yes	51.17	on mkt buy	AUD	ORD	1,942	1,942
BlackRock Advisors (UK) Limited	14-Feb-22	yes	51.17	on mkt buy	AUD	ORD	1,657	1,657
BlackRock Advisors (UK) Limited	14-Feb-22	yes	51.17	on mkt buy	AUD	ORD	1,657	1,657
BlackRock Investment Management (UK) Limited	15-Feb-22	yes	50.11	on mkt buy	AUD	ORD	2,273	2,273
BlackRock Fund Advisors	15-Feb-22	no	n/a	in specie	AUD	ORD	1,204	1,204
BlackRock Investment Management (Australia) Limited	16-Feb-22	yes	49.09	on mkt buy	AUD	ORD	758	758
BlackRock Investment Management (Australia) Limited	16-Feb-22	yes	49.33	on mkt buy	AUD	ORD	2,040	2,040
BlackRock Investment Management (Australia) Limited	16-Feb-22	yes	49.33	on mkt buy	AUD	ORD	510	510
BlackRock Advisors (UK) Limited	16-Feb-22	yes	49.33	on mkt buy	AUD	ORD	1,687	1,687
BlackRock Advisors (UK) Limited	16-Feb-22	yes	49.33	on mkt buy	AUD	ORD	410	410
BlackRock Fund Advisors	17-Feb-22	no	n/a	in specie	AUD	ORD	400	400
BlackRock Advisors (UK) Limited	17-Feb-22	yes	48.49	on mkt buy	AUD	ORD	13,496	13,496
BlackRock Institutional Trust Company, National Association	17-Feb-22	yes	48.06	on mkt buy	AUD	ORD	2,002	2,002
BlackRock Fund Advisors	17-Feb-22	no	n/a	in specie	AUD	ORD	400	400
BlackRock Fund Advisors	18-Feb-22	no	n/a	in specie	AUD	ORD	1,204	1,204
BlackRock Investment Management (UK) Limited	18-Feb-22	yes	47.76	on mkt buy	AUD	ORD	5,078	5,078
BlackRock Fund Advisors	18-Feb-22	yes	47.76	on mkt buy	AUD	ORD	1,125	1,125
BlackRock Fund Advisors	21-Feb-22	yes	47.36	on mkt buy	AUD	ORD	5,186	5,186
BlackRock Investment Management (Australia) Limited	21-Feb-22	yes	47.36	on mkt buy	AUD	ORD	4,506	4,506
BlackRock Investment Management (UK) Limited	22-Feb-22	yes	45.58	on mkt buy	AUD	ORD	25,802	25,802
BlackRock Fund Advisors	23-Feb-22	no	n/a	in specie	AUD	ORD	1,204	1,204
BlackRock Fund Advisors	23-Feb-22	no	n/a	in specie	AUD	ORD	1,806	1,806
BlackRock Investment Management (Australia) Limited	23-Feb-22	yes	46.73	on mkt buy	AUD	ORD	185	185
BlackRock Advisors (UK) Limited	24-Feb-22	yes	43.72	on mkt buy	AUD	ORD	615	615
BlackRock Investment Management (Australia) Limited	25-Feb-22	yes	44.78	on mkt buy	AUD	ORD	1,043	1,043
BlackRock Investment Management (Australia) Limited	25-Feb-22	yes	44.78	on mkt buy	AUD	ORD	5,272	5,272
BlackRock Investment Management (Australia) Limited	25-Feb-22	yes	44.78	on mkt buy	AUD	ORD	1,841	1,841
BlackRock Investment Management (Australia) Limited	25-Feb-22	yes	44.78	on mkt buy	AUD	ORD	5,326	5,326
BlackRock Investment Management (Australia) Limited	25-Feb-22	yes	44.78	on mkt buy	AUD	ORD	6,295	6,295
BlackRock Fund Advisors	25-Feb-22	no	n/a	in specie	AUD	ORD	2,520	2,520
BlackRock Investment Management (Australia) Limited	25-Feb-22	yes	44.83	on mkt buy	AUD	ORD	261	261

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			Cash	Non-cash	CCY			
BlackRock Asset Management Canada Limited	25-Feb-22	yes	44.83	on mkt buy	AUD	ORD	423	423
BlackRock Fund Advisors	28-Feb-22	no	n/a	in specie	AUD	ORD	300	300
BlackRock Fund Advisors	28-Feb-22	no	n/a	in specie	AUD	ORD	2,544	2,544
BlackRock Investment Management (Australia) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	684	684
BlackRock Investment Management (Australia) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	510	510
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,074	1,074
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,121	4,121
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	16,072	16,072
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	240,435	240,435
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,712	2,712
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	133,393	133,393
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	59,783	59,783
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,666	3,666
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,537	2,537
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	10,194	10,194
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,790	4,790
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,544	5,544
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	15,932	15,932
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	14,268	14,268
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	274,820	274,820
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	118,040	118,040
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	280	280
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	95,553	95,553
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,199	5,199
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,723	2,723
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	318	318
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	150,610	150,610
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	54,698	54,698
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	18,087	18,087
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	8,277	8,277
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,363	3,363
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,942	4,942
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	326,288	326,288
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	97,559	97,559
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.34	on mkt buy	AUD	ORD	36,442	36,442
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.34	on mkt buy	AUD	ORD	632	632
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.34	on mkt buy	AUD	ORD	21,710	21,710
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.34	on mkt buy	AUD	ORD	5,971	5,971
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.34	on mkt buy	AUD	ORD	8,515	8,515
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.34	on mkt buy	AUD	ORD	2,938	2,938
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,059	1,059
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	497	497
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	321	321
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	102,310	102,310
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,461	1,461
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,930	5,930
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	851	851

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BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	489	489
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	70	70
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,216	1,216
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	377	377
BlackRock Japan Co., Ltd.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	189	189
BlackRock Japan Co., Ltd.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	485	485
BlackRock Japan Co., Ltd.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	190,231	190,231
BlackRock Japan Co., Ltd.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	9,335	9,335
BlackRock Japan Co., Ltd.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,667	1,667
BlackRock Japan Co., Ltd.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	141	141
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	148	148
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	84	84
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	122	122
BlackRock Investment Management (Australia) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	77	77
BLACKROCK ADVISORS LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	133	133
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,849	2,849
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,133	5,133
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	370	370
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	54	54
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	68	68
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,081	1,081
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	69	69
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	133	133
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	267	267
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,042	1,042
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,644	4,644
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	15,593	15,593
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	176	176
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	8,651	8,651
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,877	3,877
BlackRock International Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,657	2,657
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	238	238
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,027	1,027
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,254	1,254
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	25,295	25,295
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	500	500
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	165	165
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	149	149
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	799	799
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	226	226
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	661	661
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	311	311
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	360	360
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,033	1,033
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	925	925
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	17,823	17,823
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	7,655	7,655
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	29	29
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	6,197	6,197
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	337	337
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	177	177
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	169	169
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	15,903	15,903
BlackRock Investment Management (Australia) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	52	52
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	823	823

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BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	60	60
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	102	102
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,745	4,745
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	60	60
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,499	1,499
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	321	321
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	8,336	8,336
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	106	106
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	486	486
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,354	1,354
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	175	175
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	419	419
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,153	1,153
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	361	361
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	13,319	13,319
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	35	35
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	806	806
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	226	226
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,277	5,277
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,633	4,633
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	843	843
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	142	142
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,439	1,439
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	390	390
BLACKROCK ADVISORS LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,373	5,373
BlackRock Japan Co., Ltd.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,977	4,977
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	99	99
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	9,768	9,768
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,547	3,547
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,567	1,567
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	45	45
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	514	514
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	46	46
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	88	88
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,735	3,735
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	537	537
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	33	33
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	85	85
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	232	232
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	218	218
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	187	187
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	543	543
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	321	321
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	60	60
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	6,327	6,327
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	476	476
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	12,640	12,640
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,931	5,931
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,832	3,832
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	17,450	17,450

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BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	70,807	70,807
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	10,158	10,158
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,837	5,837
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	844	844
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	14,526	14,526
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,503	4,503
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,772	1,772
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,011	1,011
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,453	1,453
BlackRock Investment Management (Australia) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	924	924
BLACKROCK ADVISORS LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,583	1,583
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	34,021	34,021
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	61,295	61,295
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,424	4,424
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	654	654
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	815	815
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	12,904	12,904
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	832	832
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,586	1,586
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,191	3,191
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	12,447	12,447
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	55,457	55,457
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	186,205	186,205
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,099	2,099
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	103,306	103,306
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	46,298	46,298
BlackRock International Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	31,729	31,729
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,839	2,839
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	12,268	12,268
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	14,978	14,978
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,970	5,970
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,964	1,964
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,784	1,784
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	9,538	9,538
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,704	2,704
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	41,249	41,249
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	7,895	7,895
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,710	3,710
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,293	4,293
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	12,338	12,338
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	11,050	11,050
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	212,833	212,833
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	91,415	91,415
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	207	207
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	74,001	74,001
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,026	4,026
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,108	2,108
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,012	2,012
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	189,906	189,906
BlackRock Investment Management (Australia) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	629	629
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	332	332
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	9,831	9,831

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BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	95	95
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	713	713
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,223	1,223
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	56,657	56,657
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	715	715
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	17,898	17,898
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,828	3,828
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	99,541	99,541
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,261	1,261
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,801	5,801
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	16,168	16,168
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,091	2,091
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,009	5,009
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	13,768	13,768
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,308	4,308
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	159,049	159,049
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	421	421
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	9,619	9,619
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,695	2,695
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	63,013	63,013
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	55,324	55,324
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	10,066	10,066
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,689	1,689
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	17,181	17,181
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,654	4,654
BLACKROCK ADVISORS LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	64,163	64,163
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,180	1,180
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	116,640	116,640
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	42,361	42,361
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	17,990	17,990
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	18,716	18,716
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	535	535
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	18,859	18,859
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	6,141	6,141
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	557	557
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,047	1,047
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	44,602	44,602
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	6,410	6,410
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	400	400
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,020	1,020
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,768	2,768
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,605	2,605
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,228	2,228
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	6,485	6,485
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,827	3,827
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	340,208	340,208
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	719	719
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	75,554	75,554

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 Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	5,683	5,683
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,319	3,319
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,558	1,558
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,006	1,006
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,582	4,582
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	18,593	18,593
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,668	2,668
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,533	1,533
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	222	222
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,815	3,815
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,183	1,183
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	466	466
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	266	266
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	382	382
BlackRock Investment Management (Australia) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	243	243
BLACKROCK ADVISORS LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	416	416
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	8,933	8,933
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	16,096	16,096
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,162	1,162
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	172	172
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	215	215
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,388	3,388
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	219	219
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	417	417
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	838	838
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,268	3,268
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	14,563	14,563
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	48,895	48,895
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	552	552
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	27,127	27,127
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	12,158	12,158
BlackRock International Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	8,332	8,332
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	746	746
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,222	3,222
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,933	3,933
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,568	1,568
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	516	516
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	469	469
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,504	2,504
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	710	710
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,073	2,073
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	974	974
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,127	1,127
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,240	3,240
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,901	2,901
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	55,888	55,888
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	24,005	24,005
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	55	55
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	19,432	19,432
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,058	1,058
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	554	554
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	529	529

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	49,868	49,868
BlackRock Investment Management (Australia) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	166	166
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,581	2,581
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	188	188
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	322	322
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	14,877	14,877
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	188	188
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,700	4,700
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,005	1,005
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	26,138	26,138
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	332	332
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,524	1,524
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,245	4,245
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	550	550
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,315	1,315
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	3,615	3,615
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,131	1,131
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	41,765	41,765
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	111	111
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,526	2,526
BlackRock Advisors (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	708	708
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	16,547	16,547
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	14,528	14,528
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	2,643	2,643
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	444	444
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,511	4,511
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,222	1,222
BLACKROCK ADVISORS LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	16,849	16,849
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	310	310
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	30,628	30,628
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	11,124	11,124
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	4,915	4,915
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	141	141
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,613	1,613
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	147	147
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	276	276
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	11,712	11,712
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,683	1,683
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	106	106
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	269	269
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	727	727
BlackRock Investment Management, LLC	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	685	685
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	586	586
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,703	1,703
BlackRock Institutional Trust Company, National Association	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,005	1,005
BLACKROCK FINANCIAL MANAGEMENT, INC.	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	189	189
BlackRock Fund Advisors	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	19,840	19,840
BlackRock Asset Management Canada Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	1,493	1,493
BlackRock Fund Advisors	28-Feb-22	no	n/a	in specie	AUD	ORD	1,276	1,276
BlackRock Investment Management (UK) Limited	28-Feb-22	yes	45.25	on mkt buy	AUD	ORD	48,763	48,763

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

02-Mar-22

**Maria Tricarico,**  
**Authorised Signatory**

**Date**

### 7. Addresses

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

Name	Address
<b>BlackRock Group</b>	
BlackRock Inc.	55 East 52nd Street New York NY 10055 USA
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BLACKROCK ADVISORS LLC	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management Deutschland AG	Max-Joseph-Straße 6 D-80333 Munich, Germany
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
BlackRock Financial Management, Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock International Limited	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)
BlackRock Investment Management (Australia) Limited	Level 37 Chifley Tower, 2 Chifley Square, Sydney NSW 2000 Australia
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)