

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**To Company Name/Scheme PERPETUAL LTDACN/ARSN 000 431 827**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 17 / 03 / 2023**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	6,628,016	6,628,016	5.90

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 Shawna Reese

capacity Authorised Signatory*

sign here

date 21 / 03 / 2023

* 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.

21-Mar-23

Shawna Reese,
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 Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-BONY EUROPE		ORD 60,206	60,206	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JPM CHASE - LONDON		ORD 629	629	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET DUBLIN		ORD 531,799	531,799	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ORD 19,709	19,709	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD 37,639	37,639	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 held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET BANK, GERMANY		ORD 289,015	289,015	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD 1,753	1,753	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	NT-NORTHERN TRUST UK		ORD 3,513	3,513	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STREET BANK, BOSTON		ORD 31,406	31,406	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD 3,213,060	3,213,060	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD 46,454	46,454	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD 716,872	716,872	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 4,264	4,264	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STREET SACRAMENTO		ORD 271	271	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNP-BNP PARIBAS AUSTRALIA - COGENT		ORD 16,944	16,944	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER		ORD 1,013	1,013	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	CITI-CITIBANK, HONG KONG		ORD 47,501	47,501	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	CITI-Citigroup Australia		ORD 7,037	7,037	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	HSBC-HSBC SYDNEY		ORD 180,266	180,266	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	JPM-JPM CHASE - SYDNEY		ORD 641,031	641,031	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 held in its capacity as investment manager, reponsible entity or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED		ORD 363,789	363,789	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	Northern Trust Singapore		ORD 62,460	62,460	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	UBS-UBS		ORD 6,696	6,696	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNYM-BANK OF NY BRUS		ORD 71,233	71,233	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNYM-BONY EUROPE		ORD 65,873	65,873	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	CITI-CITIBANK INTERNATIONAL PLC (LUXEMBOURG BRANCH		ORD 7,967	7,967	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	CITI-CITIBANK, LONDON		ORD 38,464	38,464	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	HSBC-HSBC		ORD 40,992	40,992	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	JPM-JP MORGAN CHASE		ORD 5,253	5,253	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	NT-NORTHERN TRUST UK		ORD 39,550	39,550	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	SSB-STATE STREET LONDON		ORD 27,599	27,599	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, reponsible entity or trustee.	BNYM-BONY LUXEMBOURG		ORD 25,234	25,234	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	BNYM-THE BANK OF NEW YORK		ORD 17,357	17,357	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	JPM-JP MORGAN CHASE		ORD 4,518	4,518	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager, responsible entity or trustee.	SSB-STATE STREET MUTUAL FUNDS		ORD 649	649	subsidiary of BlackRock Inc.

This is Annexure B of 8 pages referred to in form 603 Notice of initial substantial shareholder

21-Mar-23

Shawna Reese,
Authorised Signatory

Date

5. Consideration

PERPETUAL LTD (PPT)

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	18-Nov-22	yes	27.06	on mkt buy	AUD	ORD	9,967	9,967
BlackRock Fund Advisors	18-Nov-22	no	n/a	in specie	AUD	ORD	324	324
BlackRock Investment Management, LLC	18-Nov-22	yes	26.92	on mkt buy	AUD	ORD	636	636
BlackRock Fund Advisors	21-Nov-22	no	n/a	in specie	AUD	ORD	324	324
BlackRock Investment Management, LLC	21-Nov-22	yes	26.55	on mkt buy	AUD	ORD	630	630
BlackRock Fund Advisors	21-Nov-22	yes	26.55	on mkt buy	AUD	ORD	89	89
BlackRock Asset Management Deutschland AG	21-Nov-22	yes	26.55	on mkt buy	AUD	ORD	1,042	1,042
BlackRock Advisors (UK) Limited	21-Nov-22	yes	26.55	on mkt buy	AUD	ORD	1,486	1,486
BlackRock Investment Management (Australia) Limited	22-Nov-22	yes	26.24	on mkt buy	AUD	ORD	14,442	14,442
BlackRock Investment Management (Australia) Limited	23-Nov-22	yes	26.10	on mkt buy	AUD	ORD	2,323	2,323
BlackRock Investment Management (Australia) Limited	23-Nov-22	yes	26.00	on mkt buy	AUD	ORD	10,184	10,184
BlackRock Fund Advisors	23-Nov-22	no	n/a	in specie	AUD	ORD	216	216
BlackRock Fund Advisors	25-Nov-22	no	n/a	in specie	AUD	ORD	1,068	1,068
BlackRock Investment Management, LLC	25-Nov-22	yes	25.15	on mkt buy	AUD	ORD	398	398
BlackRock Investment Management (UK) Limited	25-Nov-22	no	n/a	collateral transfer	AUD	ORD	123,283	123,283
BlackRock Investment Management, LLC	28-Nov-22	yes	24.99	on mkt buy	AUD	ORD	1,550	1,550
BlackRock Advisors (UK) Limited	28-Nov-22	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	24.88	on mkt buy	AUD	ORD	5,454	5,454
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	24.70	on mkt buy	AUD	ORD	456	456
BlackRock Investment Management (Australia) Limited	29-Nov-22	yes	24.70	on mkt buy	AUD	ORD	198	198
BlackRock Advisors (UK) Limited	29-Nov-22	yes	24.70	on mkt buy	AUD	ORD	250	250
BlackRock Investment Management, LLC	29-Nov-22	yes	24.70	on mkt buy	AUD	ORD	1,506	1,506
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	24.81	on mkt buy	AUD	ORD	5,100	5,100
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	25.00	on mkt buy	AUD	ORD	332	332
BlackRock Institutional Trust Company, National Association	30-Nov-22	yes	25.00	on mkt buy	AUD	ORD	619	619
BlackRock Fund Advisors	30-Nov-22	yes	25.00	on mkt buy	AUD	ORD	5,892	5,892
BlackRock Fund Advisors	30-Nov-22	yes	25.00	on mkt buy	AUD	ORD	3,064	3,064
BlackRock Investment Management (Australia) Limited	30-Nov-22	yes	25.00	on mkt buy	AUD	ORD	18,631	18,631
BlackRock Advisors (UK) Limited	01-Dec-22	yes	25.21	on mkt buy	AUD	ORD	1,755	1,755
BlackRock Advisors (UK) Limited	01-Dec-22	no	n/a	collateral transfer	AUD	ORD	143,147	143,147
BlackRock Investment Management (Australia) Limited	02-Dec-22	yes	24.89	on mkt buy	AUD	ORD	3,203	3,203
BlackRock Advisors (UK) Limited	02-Dec-22	yes	24.89	on mkt buy	AUD	ORD	1,755	1,755
BlackRock Investment Management, LLC	02-Dec-22	yes	24.89	on mkt buy	AUD	ORD	1,351	1,351
BlackRock Advisors (UK) Limited	05-Dec-22	yes	24.82	on mkt buy	AUD	ORD	1,916	1,916
BlackRock Advisors (UK) Limited	05-Dec-22	yes	25.07	on mkt buy	AUD	ORD	250	250
BlackRock Fund Advisors	05-Dec-22	yes	25.07	on mkt buy	AUD	ORD	179	179
BlackRock Asset Management Deutschland AG	05-Dec-22	yes	25.07	on mkt buy	AUD	ORD	1,276	1,276
BlackRock Asset Management Canada Limited	05-Dec-22	yes	25.07	on mkt buy	AUD	ORD	561	561
BlackRock Fund Advisors	05-Dec-22	yes	25.07	on mkt buy	AUD	ORD	5,825	5,825
BlackRock Advisors (UK) Limited	06-Dec-22	yes	25.05	on mkt buy	AUD	ORD	256	256
BlackRock Advisors (UK) Limited	06-Dec-22	yes	25.05	on mkt buy	AUD	ORD	201	201
BlackRock Investment Management (Australia) Limited	07-Dec-22	yes	24.69	on mkt buy	AUD	ORD	6,252	6,252

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	07-Dec-22	yes	24.65	on mkt buy	AUD	ORD	321	321
BlackRock Investment Management, LLC	07-Dec-22	yes	24.69	on mkt buy	AUD	ORD	16,109	16,109
BlackRock Advisors (UK) Limited	08-Dec-22	yes	23.95	on mkt buy	AUD	ORD	1,768	1,768
BlackRock Institutional Trust Company, National Association	09-Dec-22	yes	23.98	on mkt buy	AUD	ORD	374	374
BlackRock Investment Management (Australia) Limited	13-Dec-22	yes	24.30	on mkt buy	AUD	ORD	99	99
BlackRock Investment Management (Australia) Limited	13-Dec-22	yes	24.30	on mkt buy	AUD	ORD	1,888	1,888
BlackRock Investment Management (Australia) Limited	13-Dec-22	yes	24.30	on mkt buy	AUD	ORD	13,273	13,273
BlackRock Institutional Trust Company, National Association	13-Dec-22	yes	24.30	on mkt buy	AUD	ORD	3,373	3,373
BlackRock Investment Management, LLC	13-Dec-22	yes	24.30	on mkt buy	AUD	ORD	3,549	3,549
BlackRock Advisors (UK) Limited	13-Dec-22	no	n/a	collateral transfer	AUD	ORD	148,328	148,328
BlackRock Investment Management (Australia) Limited	14-Dec-22	yes	24.62	on mkt buy	AUD	ORD	1,795	1,795
BlackRock Investment Management (Australia) Limited	14-Dec-22	yes	24.56	on mkt buy	AUD	ORD	4,544	4,544
BlackRock Investment Management (Australia) Limited	14-Dec-22	yes	24.62	on mkt buy	AUD	ORD	342	342
BlackRock Advisors (UK) Limited	14-Dec-22	no	n/a	collateral transfer	AUD	ORD	27,003	27,003
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	24.42	on mkt buy	AUD	ORD	4,639	4,639
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	24.42	on mkt buy	AUD	ORD	9,817	9,817
BlackRock Asset Management Deutschland AG	16-Dec-22	yes	24.43	on mkt buy	AUD	ORD	986	986
BlackRock Investment Management (UK) Limited	16-Dec-22	yes	24.43	on mkt buy	AUD	ORD	8,500	8,500
BlackRock Investment Management, LLC	16-Dec-22	yes	24.43	on mkt buy	AUD	ORD	3,025	3,025
BlackRock Fund Advisors	16-Dec-22	yes	24.43	on mkt buy	AUD	ORD	5,800	5,800
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	24.43	on mkt buy	AUD	ORD	2,312	2,312
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	24.43	on mkt buy	AUD	ORD	2,088	2,088
BlackRock Advisors (UK) Limited	16-Dec-22	yes	24.43	on mkt buy	AUD	ORD	121	121
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	24.43	on mkt buy	AUD	ORD	1,000	1,000
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	24.43	on mkt buy	AUD	ORD	776	776
BlackRock Investment Management (Australia) Limited	16-Dec-22	yes	24.43	on mkt buy	AUD	ORD	1,141	1,141
BlackRock Asset Management Deutschland AG	19-Dec-22	yes	24.13	on mkt buy	AUD	ORD	986	986
BlackRock Advisors (UK) Limited	19-Dec-22	no	n/a	collateral transfer	AUD	ORD	70,649	70,649
BlackRock Fund Advisors	20-Dec-22	yes	23.88	on mkt buy	AUD	ORD	6,130	6,130
BlackRock Fund Advisors	21-Dec-22	yes	24.01	on mkt buy	AUD	ORD	9,952	9,952
BlackRock Investment Management (Australia) Limited	21-Dec-22	yes	23.94	on mkt buy	AUD	ORD	732	732
BlackRock Investment Management (Australia) Limited	21-Dec-22	yes	23.94	on mkt buy	AUD	ORD	4,957	4,957
BlackRock Fund Advisors	21-Dec-22	no	n/a	in specie	AUD	ORD	550	550
BlackRock Investment Management (Australia) Limited	22-Dec-22	yes	24.37	on mkt buy	AUD	ORD	15,367	15,367
BlackRock Investment Management (Australia) Limited	22-Dec-22	yes	24.59	on mkt buy	AUD	ORD	348	348
BlackRock Fund Advisors	23-Dec-22	no	n/a	in specie	AUD	ORD	550	550
BlackRock Fund Advisors	23-Dec-22	yes	24.45	on mkt buy	AUD	ORD	166	166
BlackRock Investment Management (Australia) Limited	23-Dec-22	yes	24.45	on mkt buy	AUD	ORD	1,889	1,889
BlackRock Investment Management (Australia) Limited	29-Dec-22	yes	24.12	on mkt buy	AUD	ORD	166	166
BlackRock Investment Management (Australia) Limited	29-Dec-22	yes	24.12	on mkt buy	AUD	ORD	477	477
BlackRock Investment Management (Australia) Limited	30-Dec-22	yes	24.60	on mkt buy	AUD	ORD	99	99
BlackRock Investment Management (Australia) Limited	03-Jan-23	yes	24.69	on mkt buy	AUD	ORD	290	290
BlackRock Fund Advisors	04-Jan-23	no	n/a	in specie	AUD	ORD	3,192	3,192
BlackRock Fund Advisors	04-Jan-23	no	n/a	in specie	AUD	ORD	168	168

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Fund Advisors	05-Jan-23	no	n/a	in specie	AUD	ORD	2,128	2,128
BlackRock Fund Advisors	05-Jan-23	no	n/a	in specie	AUD	ORD	2,660	2,660
BlackRock Advisors (UK) Limited	05-Jan-23	yes	26.40	on mkt buy	AUD	ORD	340	340
BlackRock Advisors (UK) Limited	06-Jan-23	yes	26.35	on mkt buy	AUD	ORD	1,020	1,020
BlackRock Investment Management (Australia) Limited	09-Jan-23	yes	25.49	on mkt buy	AUD	ORD	580	580
BlackRock Fund Advisors	10-Jan-23	no	n/a	in specie	AUD	ORD	2,128	2,128
BlackRock Fund Advisors	11-Jan-23	no	n/a	in specie	AUD	ORD	1,596	1,596
BlackRock Fund Advisors	11-Jan-23	no	n/a	in specie	AUD	ORD	5,852	5,852
BlackRock Fund Advisors	11-Jan-23	no	n/a	in specie	AUD	ORD	2,128	2,128
BlackRock Investment Management (Australia) Limited	11-Jan-23	yes	24.84	on mkt buy	AUD	ORD	99	99
BlackRock Asset Management Deutschland AG	11-Jan-23	yes	24.84	on mkt buy	AUD	ORD	999	999
BlackRock Advisors (UK) Limited	11-Jan-23	yes	24.84	on mkt buy	AUD	ORD	1,721	1,721
BlackRock Investment Management, LLC	11-Jan-23	yes	24.84	on mkt buy	AUD	ORD	493	493
BlackRock Investment Management (Australia) Limited	12-Jan-23	yes	25.23	on mkt buy	AUD	ORD	12,116	12,116
BlackRock Investment Management (Australia) Limited	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	185	185
BlackRock Fund Advisors	12-Jan-23	no	n/a	in specie	AUD	ORD	2,394	2,394
BlackRock Investment Management (Australia) Limited	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	2,071	2,071
BlackRock Advisors (UK) Limited	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	24,696	24,696
BlackRock Investment Management (UK) Limited	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	14,473	14,473
BlackRock Investment Management (UK) Limited	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	18,904	18,904
BlackRock Fund Advisors	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	1,029	1,029
BlackRock Asset Management Deutschland AG	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	7,820	7,820
BlackRock Advisors (UK) Limited	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	10,530	10,530
BlackRock Investment Management (UK) Limited	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	11,536	11,536
BlackRock Institutional Trust Company, National Association	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	5	5
BlackRock Institutional Trust Company, National Association	12-Jan-23	yes	25.26	on mkt buy	AUD	ORD	5	5
BlackRock Investment Management (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	52	52
BlackRock Investment Management (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	992	992
BlackRock Advisors (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	403	403
BlackRock Investment Management (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	3,016	3,016
BlackRock Fund Advisors	13-Jan-23	no	n/a	in specie	AUD	ORD	24,321	24,321
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	32,869	32,869
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	18,299	18,299
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	15,821	15,821
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	1,124	1,124
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	10,443	10,443
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	14,098	14,098
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	15,070	15,070
BlackRock Advisors (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	382	382
BlackRock Advisors (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	7,269	7,269
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	7,063	7,063
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	169	169
BlackRock Fund Advisors	13-Jan-23	no	n/a	in specie	AUD	ORD	219,571	219,571
BlackRock Investment Management (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	2,395	2,395
BlackRock Advisors (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	129	129
BlackRock Advisors (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	2,451	2,451
BlackRock Advisors (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	655	655
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	82	82

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	13-Jan-23	no	n/a	in specie	AUD	ORD	8,075	8,075
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	7,263	7,263
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	81,002	81,002
BlackRock Asset Management Canada Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	11,547	11,547
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	10,345	10,345
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	180,286	180,286
BlackRock Fund Advisors	13-Jan-23	no	n/a	in specie	AUD	ORD	51,986	51,986
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	52,852	52,852
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	607	607
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	85	85
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	5,894	5,894
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	18,491	18,491
BlackRock Investment Management (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	30,174	30,174
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	1,884	1,884
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	3,549	3,549
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	26,354	26,354
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	22,155	22,155
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	708	708
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	85,543	85,543
BlackRock Institutional Trust Company, National Association	13-Jan-23	no	n/a	in specie	AUD	ORD	9,370	9,370
BlackRock Advisors (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	1,187	1,187
BlackRock Advisors (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	13,554	13,554
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	4,918	4,918
BlackRock Fund Advisors	13-Jan-23	no	n/a	in specie	AUD	ORD	13,586	13,586
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	7,928	7,928
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	27,653	27,653
BlackRock Investment Management, LLC	13-Jan-23	no	n/a	in specie	AUD	ORD	1,685	1,685
BlackRock Investment Management, LLC	13-Jan-23	no	n/a	in specie	AUD	ORD	6,980	6,980
BlackRock Fund Advisors	13-Jan-23	no	n/a	in specie	AUD	ORD	258,129	258,129
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	83,493	83,493
BlackRock Investment Management (UK) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	1,891	1,891
BlackRock Investment Management (Australia) Limited	13-Jan-23	no	n/a	in specie	AUD	ORD	26,064	26,064
BlackRock Investment Management (Australia) Limited	13-Jan-23	yes	25.86	on mkt buy	AUD	ORD	7,546	7,546
BlackRock Investment Management (Australia) Limited	16-Jan-23	yes	26.39	on mkt buy	AUD	ORD	1,214	1,214
BlackRock Advisors (UK) Limited	17-Jan-23	yes	26.16	on mkt buy	AUD	ORD	654	654
BlackRock Investment Management (Australia) Limited	18-Jan-23	yes	26.20	on mkt buy	AUD	ORD	2,462	2,462
BlackRock Advisors (UK) Limited	18-Jan-23	yes	26.28	on mkt buy	AUD	ORD	655	655
BlackRock Institutional Trust Company, National Association	18-Jan-23	yes	26.28	on mkt buy	AUD	ORD	3,618	3,618
BlackRock Investment Management (Australia) Limited	18-Jan-23	yes	26.28	on mkt buy	AUD	ORD	3,234	3,234
BlackRock Investment Management, LLC	18-Jan-23	yes	26.28	on mkt buy	AUD	ORD	709	709
BlackRock Institutional Trust Company, National Association	18-Jan-23	yes	26.28	on mkt buy	AUD	ORD	1,337	1,337
BlackRock Investment Management (Australia) Limited	19-Jan-23	yes	26.33	on mkt buy	AUD	ORD	24,409	24,409

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-Jan-23	yes	26.40	on mkt buy	AUD	ORD	1,786	1,786
BlackRock Fund Advisors	19-Jan-23	yes	26.40	on mkt buy	AUD	ORD	12,363	12,363
BlackRock Advisors (UK) Limited	19-Jan-23	yes	26.40	on mkt buy	AUD	ORD	16,092	16,092
BlackRock Advisors (UK) Limited	19-Jan-23	yes	26.40	on mkt buy	AUD	ORD	1,788	1,788
BlackRock Advisors (UK) Limited	19-Jan-23	no	n/a	collateral transfer	AUD	ORD	62,695	62,695
BlackRock Fund Advisors	20-Jan-23	no	n/a	in specie	AUD	ORD	4,240	4,240
BlackRock Fund Advisors	20-Jan-23	no	n/a	in specie	AUD	ORD	795	795
BlackRock Advisors (UK) Limited	20-Jan-23	yes	26.20	on mkt buy	AUD	ORD	249	249
BlackRock Asset Management Deutschland AG	20-Jan-23	yes	26.20	on mkt buy	AUD	ORD	1,014	1,014
BlackRock Advisors (UK) Limited	20-Jan-23	yes	26.20	on mkt buy	AUD	ORD	7,152	7,152
BlackRock Advisors (UK) Limited	20-Jan-23	yes	26.20	on mkt buy	AUD	ORD	5,364	5,364
BlackRock Investment Management (Australia) Limited	20-Jan-23	yes	26.20	on mkt buy	AUD	ORD	3,476	3,476
BlackRock Advisors (UK) Limited	20-Jan-23	no	n/a	collateral transfer	AUD	ORD	78,264	78,264
BlackRock Investment Management (Australia) Limited	23-Jan-23	yes	26.73	on mkt buy	AUD	ORD	436	436
BlackRock Investment Management, LLC	23-Jan-23	yes	26.73	on mkt buy	AUD	ORD	1,315	1,315
BlackRock Investment Management (Australia) Limited	23-Jan-23	yes	26.73	on mkt buy	AUD	ORD	15,555	15,555
BlackRock Investment Management (Australia) Limited	23-Jan-23	no	26.81	on mkt buy	AUD	ORD	2,850	2,850
BlackRock Institutional Trust Company, National Association	24-Jan-23	yes	26.81	on mkt buy	AUD	ORD	41,409	41,409
BlackRock Fund Advisors	25-Jan-23	no	n/a	in specie	AUD	ORD	1,419	1,419
BlackRock Fund Advisors	25-Jan-23	no	n/a	in specie	AUD	ORD	1,419	1,419
BlackRock Fund Advisors	25-Jan-23	no	n/a	in specie	AUD	ORD	2,120	2,120
BlackRock Investment Management (Australia) Limited	25-Jan-23	yes	26.47	on mkt buy	AUD	ORD	2,625	2,625
BlackRock Asset Management Deutschland AG	25-Jan-23	yes	26.56	on mkt buy	AUD	ORD	1,015	1,015
BlackRock Institutional Trust Company, National Association	25-Jan-23	yes	26.56	on mkt buy	AUD	ORD	5,082	5,082
BlackRock Advisors (UK) Limited	25-Jan-23	no	n/a	collateral transfer	AUD	ORD	37,267	37,267
BlackRock Investment Management (UK) Limited	25-Jan-23	no	n/a	collateral transfer	AUD	ORD	155,366	155,366
BlackRock Fund Advisors	26-Jan-23	no	n/a	in specie	AUD	ORD	1,590	1,590
BlackRock Fund Advisors	27-Jan-23	no	n/a	in specie	AUD	ORD	1,060	1,060
BlackRock Fund Advisors	27-Jan-23	no	n/a	in specie	AUD	ORD	6,360	6,360
BlackRock Advisors (UK) Limited	27-Jan-23	yes	26.08	on mkt buy	AUD	ORD	121	121
BlackRock Investment Management (Australia) Limited	27-Jan-23	yes	26.08	on mkt buy	AUD	ORD	4,232	4,232
BlackRock Advisors (UK) Limited	27-Jan-23	no	n/a	collateral transfer	AUD	ORD	20,296	20,296
BlackRock Investment Management (UK) Limited	27-Jan-23	no	n/a	collateral transfer	AUD	ORD	139,913	139,913
BlackRock Investment Management (Australia) Limited	27-Jan-23	no	26.08	on mkt buy	AUD	ORD	337	337
BlackRock Investment Management (Australia) Limited	30-Jan-23	yes	25.89	on mkt buy	AUD	ORD	4,606	4,606
BlackRock Investment Management (Australia) Limited	30-Jan-23	yes	25.81	on mkt buy	AUD	ORD	370	370
BlackRock Fund Advisors	30-Jan-23	yes	25.81	on mkt buy	AUD	ORD	7,382	7,382
BlackRock Advisors (UK) Limited	30-Jan-23	no	n/a	collateral transfer	AUD	ORD	72,111	72,111
BlackRock Investment Management (Australia) Limited	30-Jan-23	no	25.56	on mkt buy	AUD	ORD	1,477	1,477
BlackRock Fund Advisors	31-Jan-23	no	n/a	in specie	AUD	ORD	1,869	1,869
BlackRock Investment Management (Australia) Limited	31-Jan-23	yes	25.56	on mkt buy	AUD	ORD	814	814
BlackRock Investment Management (UK) Limited	31-Jan-23	yes	25.53	on mkt buy	AUD	ORD	20,149	20,149
BlackRock Advisors (UK) Limited	31-Jan-23	no	n/a	collateral transfer	AUD	ORD	128,053	128,053
BlackRock Fund Advisors	01-Feb-23	no	n/a	in specie	AUD	ORD	2,420	2,420
BlackRock Investment Management (Australia) Limited	01-Feb-23	yes	25.52	on mkt buy	AUD	ORD	954	954
BlackRock Investment Management (Australia) Limited	01-Feb-23	yes	25.49	on mkt buy	AUD	ORD	5,237	5,237
BlackRock Investment Management (Australia) Limited	02-Feb-23	yes	26.03	on mkt buy	AUD	ORD	2,872	2,872

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			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	02-Feb-23	yes	26.03	on mkt buy	AUD	ORD	12,989	12,989
BlackRock Advisors (UK) Limited	02-Feb-23	yes	25.93	on mkt buy	AUD	ORD	656	656
BlackRock Investment Management (UK) Limited	02-Feb-23	no	n/a	collateral transfer	AUD	ORD	142,382	142,382
BlackRock Fund Advisors	03-Feb-23	no	n/a	in specie	AUD	ORD	2,136	2,136
BlackRock Asset Management Deutschland AG	03-Feb-23	yes	26.95	on mkt buy	AUD	ORD	1,013	1,013
BlackRock Advisors (UK) Limited	03-Feb-23	yes	26.95	on mkt buy	AUD	ORD	122	122
BlackRock Advisors (UK) Limited	03-Feb-23	yes	26.95	on mkt buy	AUD	ORD	16,074	16,074
BlackRock Advisors (UK) Limited	03-Feb-23	no	n/a	collateral transfer	AUD	ORD	142,382	142,382
BlackRock Investment Management (Australia) Limited	06-Feb-23	yes	26.40	on mkt buy	AUD	ORD	6,976	6,976
BlackRock Fund Advisors	07-Feb-23	no	n/a	in specie	AUD	ORD	2,670	2,670
BlackRock Fund Advisors	07-Feb-23	no	n/a	in specie	AUD	ORD	200	200
BlackRock Advisors (UK) Limited	07-Feb-23	yes	26.44	on mkt buy	AUD	ORD	1,512	1,512
BlackRock Advisors (UK) Limited	07-Feb-23	yes	26.44	on mkt buy	AUD	ORD	1,787	1,787
BlackRock Advisors (UK) Limited	07-Feb-23	no	n/a	collateral transfer	AUD	ORD	123,796	123,796
BlackRock Advisors (UK) Limited	08-Feb-23	yes	27.00	on mkt buy	AUD	ORD	254	254
BlackRock Institutional Trust Company, National Association	10-Feb-23	yes	25.91	on mkt buy	AUD	ORD	1,054	1,054
BlackRock Institutional Trust Company, National Association	10-Feb-23	yes	25.91	on mkt buy	AUD	ORD	363	363
BlackRock Investment Management (Australia) Limited	13-Feb-23	no	n/a	in specie	AUD	ORD	2,807	2,807
BlackRock Fund Advisors	13-Feb-23	no	n/a	in specie	AUD	ORD	2,136	2,136
BlackRock Fund Advisors	13-Feb-23	yes	25.94	on mkt buy	AUD	ORD	7,090	7,090
BlackRock Fund Advisors	14-Feb-23	no	n/a	in specie	AUD	ORD	1,614	1,614
BlackRock Investment Management (Australia) Limited	14-Feb-23	yes	26.80	on mkt buy	AUD	ORD	427	427
BlackRock Fund Advisors	14-Feb-23	yes	26.80	on mkt buy	AUD	ORD	5,576	5,576
BlackRock Investment Management (UK) Limited	15-Feb-23	yes	26.94	on mkt buy	AUD	ORD	6,325	6,325
BlackRock Investment Management (UK) Limited	15-Feb-23	no	n/a	collateral transfer	AUD	ORD	20,662	20,662
BlackRock Advisors (UK) Limited	16-Feb-23	yes	27.16	on mkt buy	AUD	ORD	366	366
BlackRock Investment Management (Australia) Limited	16-Feb-23	yes	27.16	on mkt buy	AUD	ORD	168	168
BlackRock Institutional Trust Company, National Association	16-Feb-23	yes	27.16	on mkt buy	AUD	ORD	2,957	2,957
BlackRock Fund Advisors	16-Feb-23	yes	27.16	on mkt buy	AUD	ORD	5,354	5,354
BlackRock Investment Management (Australia) Limited	16-Feb-23	yes	27.16	on mkt buy	AUD	ORD	6,867	6,867
BlackRock Investment Management (Australia) Limited	16-Feb-23	yes	27.16	on mkt buy	AUD	ORD	218	218
BlackRock Investment Management (UK) Limited	16-Feb-23	no	n/a	collateral transfer	AUD	ORD	28,231	28,231
BlackRock Advisors (UK) Limited	17-Feb-23	no	n/a	collateral transfer	AUD	ORD	12,862	12,862
BlackRock Investment Management (Australia) Limited	20-Feb-23	yes	27.14	on mkt buy	AUD	ORD	607	607
BlackRock Asset Management Deutschland AG	20-Feb-23	yes	27.14	on mkt buy	AUD	ORD	1,017	1,017
BlackRock Fund Advisors	21-Feb-23	no	n/a	in specie	AUD	ORD	14,257	14,257
BlackRock Investment Management (Australia) Limited	21-Feb-23	yes	27.03	on mkt buy	AUD	ORD	1,492	1,492
BlackRock Investment Management (Australia) Limited	21-Feb-23	yes	26.99	on mkt buy	AUD	ORD	654	654
BlackRock Advisors (UK) Limited	21-Feb-23	yes	26.99	on mkt buy	AUD	ORD	1,795	1,795
BlackRock Advisors (UK) Limited	21-Feb-23	yes	26.99	on mkt buy	AUD	ORD	656	656
BlackRock Investment Management (Australia) Limited	21-Feb-23	yes	26.99	on mkt buy	AUD	ORD	3,131	3,131
BlackRock Advisors (UK) Limited	21-Feb-23	no	n/a	collateral transfer	AUD	ORD	31,425	31,425
BlackRock Advisors (UK) Limited	22-Feb-23	yes	26.70	on mkt buy	AUD	ORD	1,795	1,795
BlackRock Investment Management (Australia) Limited	22-Feb-23	yes	26.70	on mkt buy	AUD	ORD	1,332	1,332
BlackRock Investment Management, LLC	22-Feb-23	yes	26.70	on mkt buy	AUD	ORD	564	564
BlackRock Investment Management (Australia) Limited	23-Feb-23	yes	25.97	on mkt buy	AUD	ORD	272	272
BlackRock Fund Advisors	23-Feb-23	no	n/a	in specie	AUD	ORD	2,152	2,152
BlackRock Investment Management (UK) Limited	23-Feb-23	no	n/a	collateral transfer	AUD	ORD	4,469	4,469

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	24-Feb-23	yes	24.78	on mkt buy	AUD	ORD	971	971
BlackRock Investment Management (Australia) Limited	27-Feb-23	yes	24.88	on mkt buy	AUD	ORD	16,625	16,625
BlackRock Asset Management Deutschland AG	27-Feb-23	yes	24.69	on mkt buy	AUD	ORD	1,035	1,035
BlackRock Investment Management (Australia) Limited	28-Feb-23	yes	24.32	on mkt buy	AUD	ORD	1,153	1,153
BlackRock Investment Management (Australia) Limited	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	545	545
BlackRock Advisors (UK) Limited	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	175	175
BlackRock Advisors (UK) Limited	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	700	700
BlackRock Institutional Trust Company, National Association	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	3,103	3,103
BlackRock Advisors (UK) Limited	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	3,423	3,423
BlackRock Advisors (UK) Limited	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	1,142	1,142
BlackRock Institutional Trust Company, National Association	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	1,234	1,234
BlackRock Institutional Trust Company, National Association	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	3,698	3,698
BlackRock Fund Advisors	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	2,196	2,196
BlackRock Fund Advisors	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	730	730
BlackRock Fund Advisors	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	2,379	2,379
BlackRock Fund Advisors	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	792	792
BlackRock Advisors (UK) Limited	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	157	157
BlackRock Advisors (UK) Limited	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	477	477
BlackRock Advisors (UK) Limited	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	3,573	3,573
BlackRock Advisors (UK) Limited	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	10,711	10,711
BlackRock Institutional Trust Company, National Association	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	2,202	2,202
BlackRock Institutional Trust Company, National Association	28-Feb-23	yes	24.39	on mkt buy	AUD	ORD	732	732
BlackRock Investment Management (Australia) Limited	01-Mar-23	yes	24.45	on mkt buy	AUD	ORD	4,790	4,790
BlackRock Fund Advisors	01-Mar-23	no	n/a	in specie	AUD	ORD	1,313	1,313
BlackRock Advisors (UK) Limited	01-Mar-23	yes	24.48	on mkt buy	AUD	ORD	175	175
BlackRock Institutional Trust Company, National Association	01-Mar-23	yes	24.48	on mkt buy	AUD	ORD	914	914
BlackRock Investment Management (Australia) Limited	02-Mar-23	yes	24.64	on mkt buy	AUD	ORD	573	573
BlackRock Advisors (UK) Limited	02-Mar-23	yes	24.55	on mkt buy	AUD	ORD	253	253
BlackRock Advisors (UK) Limited	02-Mar-23	yes	24.55	on mkt buy	AUD	ORD	175	175
BlackRock Advisors (UK) Limited	02-Mar-23	yes	24.55	on mkt buy	AUD	ORD	350	350
BlackRock Fund Advisors	02-Mar-23	yes	24.55	on mkt buy	AUD	ORD	3,800	3,800
BlackRock Advisors (UK) Limited	03-Mar-23	yes	24.68	on mkt buy	AUD	ORD	768	768
BlackRock Advisors (UK) Limited	03-Mar-23	yes	24.68	on mkt buy	AUD	ORD	875	875
BlackRock Investment Management (Australia) Limited	07-Mar-23	yes	25.35	on mkt buy	AUD	ORD	366	366
BlackRock Investment Management (Australia) Limited	07-Mar-23	yes	25.43	on mkt buy	AUD	ORD	75	75
BlackRock Investment Management (Australia) Limited	08-Mar-23	yes	25.49	on mkt buy	AUD	ORD	524	524
BlackRock Fund Advisors	08-Mar-23	no	n/a	in specie	AUD	ORD	2,421	2,421
BlackRock Advisors (UK) Limited	08-Mar-23	yes	25.51	on mkt buy	AUD	ORD	1,798	1,798
BlackRock Fund Advisors	09-Mar-23	no	n/a	in specie	AUD	ORD	3,228	3,228
BlackRock Investment Management (Australia) Limited	09-Mar-23	yes	24.65	on mkt buy	AUD	ORD	384	384
BlackRock Fund Advisors	10-Mar-23	no	n/a	in specie	AUD	ORD	1,883	1,883
BlackRock Institutional Trust Company, National Association	10-Mar-23	yes	24.18	on mkt buy	AUD	ORD	17,648	17,648
BlackRock Fund Advisors	14-Mar-23	no	n/a	in specie	AUD	ORD	538	538
BlackRock Investment Management (Australia) Limited	14-Mar-23	yes	21.40	on mkt buy	AUD	ORD	75	75
BlackRock Asset Management Deutschland AG	14-Mar-23	yes	21.40	on mkt buy	AUD	ORD	1,037	1,037
BlackRock Fund Advisors	16-Mar-23	no	n/a	in specie	AUD	ORD	2,421	2,421
BlackRock Investment Management (Australia) Limited	16-Mar-23	yes	21.24	on mkt buy	AUD	ORD	75	75
BlackRock Asset Management Deutschland AG	16-Mar-23	yes	21.24	on mkt buy	AUD	ORD	1,034	1,034
BlackRock Advisors (UK) Limited	16-Mar-23	no	n/a	collateral transfer	AUD	ORD	26,948	26,948
BlackRock Fund Advisors	17-Mar-23	no	n/a	in specie	AUD	ORD	232	232
BlackRock Investment Management (Australia) Limited	17-Mar-23	yes	21.22	on mkt buy	AUD	ORD	1,139	1,139

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	17-Mar-23	yes	21.22	on mkt buy	AUD	ORD	8,816	8,816
BlackRock Investment Management (Australia) Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	3,687	3,687
BlackRock Financial Management, Inc.	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	2,844	2,844
BlackRock Fund Advisors	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	7,842	7,842
BlackRock Investment Management (Australia) Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	2,792	2,792
BlackRock Asset Management Deutschland AG	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	65,301	65,301
BlackRock Advisors (UK) Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	74,985	74,985
BlackRock Asset Management Canada Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	4,913	4,913
BlackRock Fund Advisors	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	791,492	791,492
BlackRock Investment Management (Australia) Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	75	75
BlackRock Investment Management (Australia) Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	53	53
BlackRock Fund Advisors	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	63	63
BlackRock Advisors (UK) Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	604	604
BlackRock Asset Management Canada Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	61	61
BlackRock Fund Advisors	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	6,599	6,599
BlackRock Investment Management (Australia) Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	812	812
BlackRock Financial Management, Inc.	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	669	669
BlackRock Fund Advisors	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	1,780	1,780
BlackRock Investment Management (Australia) Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	655	655
BlackRock Advisors (UK) Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	17,018	17,018
BlackRock Asset Management Canada Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	1,094	1,094
BlackRock Fund Advisors	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	179,437	179,437
BlackRock Investment Management (Australia) Limited	17-Mar-23	yes	21.19	on mkt buy	AUD	ORD	3,216	3,216
BlackRock Investment Management (UK) Limited	17-Mar-23	no	n/a	collateral transfer	AUD	ORD	14,959	14,959

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

21-Mar-23

**Shawna Reese,
Authorised Signatory**

Date

7. Addresses

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

Name	Address
BlackRock Group	
BlackRock Inc.	50 Hudson Yards New York, NY 10001 USA
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
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 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 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

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

Shawna Reese, Authorised Signatory
Date

21-Mar-23

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 PERPETUAL LTD or the Australian Securities and Investments Commission upon request.

Securities Lending Agreements

Agreements entered into between BlackRock Advisors Limited and each of the following counterparties:

- (a) Bank of Nova Scotia, London Branch GMSLA, 25 August 2011
- (b) Barclays Bank plc GMSLA, 9 April 2104
- (c) Barclays Capital Securities Limited GMSLA, 2 December 2012
- (d) BNP Paribas Arbitrage GMSLA, 30 May 2013
- (e) BNP Paribas GMSLA, 8 May 2007
- (f) Citigroup Global Markets Limited GMSLA, 18 January 2007
- (g) Credit Suisse AG, Dublin Branch GMSLA, 28 September 2015
- (h) Credit Suisse International GMSLA, 10 March 2014
- (i) Credit Suisse Securities (Europe) Limited GMSLA, 26 August 2015
- (j) Deutsche Bank AG, London Branch GMSLA, 25 August 2017
- (k) Goldman Sachs International GMSLA, 2nd August 2022
- (l) HSBC Bank plc GMSLA GMSLA, 27 October 2016
- (m) ING Bank N.V. GMSLA, 12 November 2018
- (n) J.P. Morgan Securities plc GMSLA, 12 July 2011
- (o) Macquarie Bank Limited GMSLA, 18 August 2014
- (p) Merrill Lynch International GMSLA, 3 February 2020
- (q) Morgan Stanley & Co International plc GMSLA, 9 June 2021
- (r) Natixis SA GMSLA, 29 January 2018
- (s) Nomura International plc GMSLA, 2 November 2011
- (t) Royal Bank of Canada Europe Limited GMSLA, 3 February 2017
- (u) Royal Bank of Scotland plc (renamed to Natwest Markets Plc) GMSLA, 1 April 2011
- (v) Santander UK Plc GMSLA, 25 January 2019
- (w) Societe Generale GMSLA, 27 January 2012
- (x) UBS AG GMSLA, 28 April 2016
- (y) UBS Europe SE GMSLA, 1 February 2019
- (z) BAL/Banco Santander, S.A. GMSLA, 30 April 2019
- (aa) Canadian Imperial Bank of Commerce, London Branch GMSLA, 21 June 2019
- (bb) Zürcher Kantonalbank GMSLA, 30 October 2019
- (cc) The Hongkong and Shanghai Banking Corporation Limited GMSLA, 7 February 2020
- (dd) BNP Paribas Prime Brokerage International Limited GMSLA 19 October 20201

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

- a. Bank of Nova Scotia GMSLA, December 6, 2016
- b. Barclays Bank plc GMSLA, April 24, 2017
- c. Barclays Capital Securities Limited GMSLA, March 15, 2017
- d. BNP Paribas Arbitrage GMSLA, June 5, 2017
- e. Citigroup Global Markets Limited GMSLA, June 3, 2015
- f. Credit Suisse AG, Dublin Branch GMSLA, October 14, 2015
- g. Credit Suisse International GMSLA, April 4, 2020
- h. Credit Suisse Securities (Europe) Limited GMSLA, October 2, 2015
- i. Deutsche Bank AG, London Branch GMSLA, June 7, 2017
- j. Goldman Sachs International GMSLA, February 20, 2023
- k. HSBC Bank plc GMSLA, February 12, 2013
- l. J.P. Morgan Securities plc GMSLA, October 4, 2016
- m. J.P. Morgan Securities plc GMSLA (Pledge), July 1, 2020
- n. Macquarie Bank Limited GMSLA, October 3, 2016
- o. Merrill Lynch International GMSLA, February 19, 2014
- p. Morgan Stanley & Co International plc GMSLA, November 16, 2021
- q. Nomura International plc GMSLA 03 August 2018
- r. Societe Generale GMSLA, September 28, 2016
- s. UBS AG GMSLA, May 26, 2016
- t. UBS AG GMSLA (Pledge), June 2, 2020
- u. UBS Europe SE GMSLA, 1 February 2019
- v. The Hongkong and Shanghai Banking Corporation Limited GMSLA, 22 February 2019
- w. RBC Europe Limited GMSLA, 4 February 2019
- x. ING BANK N.V. GMSLA, 27 February, 2019
- y. BANCO SANTANDER, S.A. GMSLA, 11 September, 2019
- z. Credit Suisse A.G., Singapore Branch GMSLA, 25 October, 2019
- aa. Natixis S.A. GMSLA, November 21, 2019.

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

These counterparties do not pledge Australian equities:

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

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

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

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

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