605

Corporations Act 2001 Section 671B

Notice of ceasing to be a substantial holder

To Company Name/Scheme PENDAL GROUP LTD

ACN/ARSN 126 385 822

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 ceased to be a

substantial holder on $\frac{12 /01 /20 23}{22 /03 /20 22}$ The previous notice was given to the company on $\frac{22 /03 /20 22}{18 /03 /20 22}$

2. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest (2) of the substantial holder or an associate (3) in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (4)	Consideration given in relation to change(5)	Class (6) and number of securities affected	Person's votes affected
	Annexures A&C				

3. Changes in association

The persons who have become associates (3) of, ceased to be associates of, or have changed the nature of their association (7) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

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

4. Addresses

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

Name	Address
Annexure B	

Signature

print name Shawna Reese capacity *Authorised Signatory

sign here date 17 / 01 /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.

605

- (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 4 of the form.
- (2) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (3) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (4) Include details of:
 - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. 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.

- (5) 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.
- (6) The voting shares of a company constitute one class unless divided into separate classes.
- (7) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

This is Annexure A of 17 pages referred to in form 605 Notice of ceasing to be a substantial shareholder

17-Jan-23

Shawna Reese, Authorised Signatory Date

2. Changes in relevant interests

PENDAL GROUP LTD (PDL)										
Date of Change	Person whose relevant interest changed	Consideration gi	change (4) / ven in relation to ge (5)	CCY	Class (6) an	d number of affected	Person's votes affected			
21-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-50,001	-50,00			
21-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-381	-38			
21-Mar-22	BlackRock Fund Advisors	on mkt sell	4.85	AUD	ord	-1,625	-1,62			
21-Mar-22	BlackRock Advisors (UK) Limited	on mkt sell	4.87	AUD	ord	-15,299	-15,29			
21-Mar-22	BlackRock Asset Management Deutschland AG	on mkt sell	4.69	AUD	ord	-18,141	-18,14			
21-Mar-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.69	AUD	ord	-15,969	-15,969			
22-Mar-22	BlackRock Fund Advisors	on mkt buy	4.66	AUD	ord	28,265	28,26			
22-Mar-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	56,021	56,02			
23-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-6,532	-6,53			
23-Mar-22	BlackRock Advisors (UK) Limited	on mkt buy	4.61	AUD	ord	20,789	20,78			
24-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,164	1,16			
24-Mar-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.53	AUD	ord	35,982	35,982			
24-Mar-22	BlackRock Fund Advisors	on mkt sell	4.49	AUD	ord	-2,256	-2,25			
25-Mar-22	BlackRock Advisors (UK) Limited	on mkt sell	4.50	AUD	ord	-1,793	-1,79			
28-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	10,488	10,48			
29-Mar-22	BlackRock Advisors (UK) Limited	on mkt sell	4.62	AUD	ord	-62,391	-62,39			
30-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	29,716	29,710			
30-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-4,932	-4,93			
30-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-16,440	-16,44			
30-Mar-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.75	AUD	ord	1,456	1,450			
30-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-21,372	-21,37			
31-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-3,286	-3,280			
31-Mar-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-3,286	-3,280			
31-Mar-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.65	AUD	ord	35,988	35,98			
31-Mar-22	BlackRock Advisors (UK) Limited	on mkt sell	4.65	AUD	ord	-41,582	-41,58			
31-Mar-22	BlackRock Institutional Trust Company, National Association	on mkt buy	4.65	AUD	ord	26,224	26,224			
01-Apr-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	22,724	22,72			
01-Apr-22	BlackRock Fund Advisors	on mkt buy	4.48	AUD	ord	763	76:			
04-Apr-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	12,236	12,230			
04-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.29	AUD	ord	1,092	1,092			
04-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.29	AUD	ord	3,036	3,030			
05-Apr-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-8,155	-8,15			
05-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.37	AUD	ord	2,184	2,18			
05-Apr-22	BlackRock Fund Advisors	on mkt buy	5.37	AUD	ord	118,353	118,35			
05-Apr-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-21,203	-21,20			
06-Apr-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	8,935	8,93			
06-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.28	AUD	ord	8,372	8,37			
06-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.29	AUD	ord	-66,607	-66,60			
06-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.28	AUD	ord	1,142	1,14			
06-Apr-22	BlackRock Investment Management, LLC	on mkt sell	5.28	AUD	ord	-2,831	-2,83			
07-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.27	AUD	ord	8,233	8,23			
08-Apr-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,486	3,480			
08-Apr-22	BlackRock Investment Management	on mkt sell	5.29	AUD	ord	-14,565	-14,56			

Date of Change	Person whose relevant interest changed		re of change (4) / tion given in relation to change (5)	CCY	` ,	d number of affected	Person's votes affected
11-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.30	AUD	ord	6,402	6,402
12-Apr-22	BlackRock Investment Management, LLC	on mkt sell	5.29	AUD	ord	-2,129	-2,129
13-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.28	AUD	ord	-2,528	-2,528
13-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.28	AUD	ord	-20,580	-20,580
13-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.28	AUD	ord	-67,328	-67,328
13-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.27	AUD	ord	2,904	2,904
13-Apr-22	BlackRock Fund Advisors	on mkt buy	5.27	AUD	ord	516	516
13-Apr-22	BlackRock Investment Management (Australia) Limited		5.27	AUD	ord	-10,029	-10,029
14-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.23	AUD	ord	-9,071	-9,071
14-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.22	AUD	ord	-55,421	-55,421
14-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.22	AUD	ord	571	571
19-Apr-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	12,509	12,509
19-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.21	AUD	ord	-18,570	-18,570
19-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.21	AUD	ord	-128,577	-128,577
19-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.21	AUD	ord	-2,189	-2,189
19-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.21	AUD	ord	-8,492	-8,492
19-Apr-22	BlackRock Advisors (UK) Limited	on mkt buy	5.20	AUD	ord	381	381
19-Apr-22	BlackRock Investment Management, LLC	on mkt sell	5.20	AUD	ord	-5,295	-5,295
19-Apr-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-13,048	-13,048
20-Apr-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	26,805	26,805
20-Apr-22	BlackRock Investment Management (Australia) Limited BlackRock Investment Management	on mkt sell	5.21	AUD	ord	-41,382	-41,382
20-Apr-22	(Australia) Limited	on mkt buy	5.21	AUD	ord	2,134	2,134
21-Apr-22	BlackRock Fund Advisors	in specie	n/a 5.32	AUD	ord	8,935	8,935
21-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell		AUD	ord	-17,142	-17,142
22-Apr-22	BlackRock Investment Management (Australia) Limited		5.27	AUD	ord	-12,543	-12,543
22-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.27	AUD	ord	-51,882	-51,882
22-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.27	AUD	ord	-92,407	-92,407
22-Apr-22	BlackRock Investment Management (Australia) Limited		5.27	AUD	ord	-210,833	-210,833
26-Apr-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-8,205	-8,205
26-Apr-22 26-Apr-22	BlackRock Fund Advisors BlackRock Investment Management	in specie on mkt sell	n/a 5.20	AUD AUD	ord ord	5,610 -3,693	5,610 -3,693
26-Apr-22	(Australia) Limited BlackRock Investment Management	on mkt sell	5.20	AUD	ord	-16,152	-16,152
26-Apr-22	(Australia) Limited BlackRock Investment Management	on mkt sell	5.20	AUD	ord	-19,831	-19,831
26-Apr-22	(Australia) Limited BlackRock Advisors (UK) Limited	on mkt buy	5.21	AUD	ord	10,002	10,002
26-Apr-22	BlackRock Advisors (UK) Limited	on mkt buy	5.19	AUD	ord	381	381
26-Apr-22	BlackRock Asset Management	on mkt buy	5.19	AUD	ord	16,364	16,364
27-Apr-22	Deutschland AG BlackRock Investment Management	on mkt sell	5.09	AUD	ord	-160,352	-160,352
28-Apr-22	(Australia) Limited BlackRock Investment Management	on mkt sell	5.15	AUD	ord	-8,926	-8,926
28-Apr-22	(Australia) Limited BlackRock Investment Management	on mkt sell	5.15	AUD	ord	-12,507	-12,507
29-Apr-22	(Australia) Limited BlackRock Institutional Trust	on mkt sell	5.31	AUD	ord	-3,873	-3,873
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PDL page 2 of 17

Date of Change	Person whose relevant interest changed	Consideration (change (4) / given in relation to nge (5)	CCY	Class (6) an	d number of affected	Person's votes affected
03-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	13,090	13,090
03-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-3,304	-3,304
04-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,140	1,140
04-May-22	BlackRock Fund Advisors	on mkt buy	5.07	AUD	ord	546	546
04-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	14,296	14,296
04-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-13,128	-13,128
05-May-22	BlackRock Advisors (UK) Limited	on mkt buy	5.08	AUD	ord	1,143	1,143
06-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	53,610	53,610
06-May-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.96	AUD	ord	18,627	18,627
06-May-22	BlackRock Investment Management	on mkt buy	4.97	AUD	ord	29,040	29,040
06-May-22	(Australia) Limited BlackRock Investment Management	on mkt sell	4.97	AUD	ord	-19,287	-19,287
06-May-22	(Australia) Limited BlackRock Investment Management	on mkt buy	4.97	AUD	ord	1,089	1,089
06-May-22	(Australia) Limited BlackRock Investment Management	on mkt sell	4.97	AUD	ord	-4,286	-4,286
06-May-22	(Australia) Limited BlackRock Advisors (UK) Limited	on mkt buy	4.97	AUD	ord	62,508	62,508
09-May-22	BlackRock Investment Management	on mkt sell	4.93	AUD	ord	-15,001	-15,001
09-May-22	(Australia) Limited BlackRock Investment Management	on mkt sell	4.93	AUD	ord	-3,267	-3,267
09-May-22	(Australia) Limited BlackRock Asset Management	on mkt buy	4.93	AUD	ord	12,062	12,062
09-May-22	Deutschland AG BlackRock Fund Advisors	on mkt buy	4.93	AUD	ord	35,242	35,242
09-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-16,820	-16,820
09-May-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	-56,021	-56,021
10-May-22	BlackRock Investment Management	on mkt buy	5.33	AUD	ord	7,986	7,986
10-May-22	(Australia) Limited BlackRock Fund Advisors	on mkt buy	5.33	AUD	ord	561	561
11-May-22	BlackRock Advisors (UK) Limited	on mkt sell	5.16	AUD	ord	-4,375	-4,375
11-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-7,254	-7,254
12-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,610	5,610
12-May-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,125	1,125
12-May-22	BlackRock Advisors (UK) Limited	on mkt sell	5.04	AUD	ord	-13,553	-13,553
12-May-22	BlackRock Investment Management	on mkt sell	5.04	AUD	ord	-4,913	-4,913
12-May-22	(UK) Limited BlackRock Investment Management	on mkt sell	4.96	AUD	ord	-13,238	-13,238
13-May-22	(Australia) Limited BlackRock Investment Management	on mkt buy	5.13	AUD	ord	3,367	3,367
13-May-22	(Australia) Limited BlackRock Investment Management	on mkt buy	5.13	AUD	ord	16,813	16,813
13-May-22	(Australia) Limited BlackRock Investment Management	on mkt buy	5.13	AUD	ord	11,086	11,086
13-May-22	(Australia) Limited BlackRock Investment Management	on mkt buy	5.13	AUD	ord	11,366	11,366
13-May-22	(Australia) Limited BlackRock Investment Management	on mkt buy	5.17	AUD	ord	34,122	34,122
13-May-22	(Australia) Limited BlackRock Institutional Trust	on mkt buy	5.17	AUD	ord	11,346	11,346
16-May-22	Company, National Association BlackRock Fund Advisors	in specie	n/a	AUD	ord	28,592	28,592

PDL page 3 of 17

Deutschland AG	Date of Change	Person whose relevant interest changed	Consideration (change (4) / given in relation to nge (5)	CCY	Class (6) and securities		Person's votes affected
18-May-22 BlackRook Investment Management in specie n/a	16-May-22	BlackRock Fund Advisors			AUD	ord	33,953	33,953
18-May-22 BlackRook Investment Management in specie n/a	17-May-22	BlackBock Fund Advisors	in enecie	n/a	ALID	ord	12 500	12 500
Augustials Limited								
18-May-22 BlackRock Fund Advisors in specie n/a AUD ord 21,444 21,444	10 May 22		п эрсою	11/4	NOD	ord	72,700	42,400
18-May-22 BlackRock Fund Advisors in specie n/a AUD ord 28.805 28.805 18-May-22 BlackRock Fund Advisors in specie n/a AUD ord 3,740 3,740 18-May-22 BlackRock Fund Management on mich buy 5.20 AUD ord 3,893 3,983 18-851 18-	18-May-22	,	in specie	n/a	AUD	ord	21,444	21,444
18-May-22 BlackRock Erund Advisors In specie Inia AUD Ord 3,749 3,749 3,749 1,849 1,849 20 1,849			•					
18-May-22 BluckRock investment Management on mix buy 5.20	18-May-22	BlackRock Fund Advisors		n/a				
Caustralia Limited Caustralia Caustr		BlackRock Investment Management		5.20	AUD	ord	3,993	3,993
(Australia) Limited S-21 AUD ord -2,143 -2,143 -2,143 -2,144 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,143 -2,	18-May-22		•	5.20	AUD	ord	18,851	
(Australia) Limited (Australia) Limited		(Australia) Limited				ord		
SaleAmy-v2 BlackRock Investment Management (Australia) Limited SaleAmy-v2 BlackRock Advisors (UK) Limited On mkt sell S.21 AUD ord -20,839 -20,839 -20,839 -20,839 -30,839		(Australia) Limited						
R-May-22 BlackRock Investment Management (Australia) Limited On mix sell 5.21 AUD ord -20,839 -20,839 13,804 -13,804		(Australia) Limited						
18-May-22 BlackRock Investment Management 0 n mkt sell 5.21 AUD ord -13,804 -13,		(Australia) Limited						
Augustable Limited	-	. ,						
CAUSTRIAN Limited Limited CAUSTRIAN Limited Limited CAUSTRIAN Limited Limited CAUSTRIAN Limited Limi		(Australia) Limited						
25-May-22 BlackRock Fund Advisors in specie n/a AUD ord 12,509 12,509 12,509 12,509 12,509 26,869 26,879 26,178 27,		(Australia) Limited						
26-May-22 BlackRock Investment Management (Australia) Limited 4.98 AUD ord -20,859 -20,859 26-May-22 BlackRock Investment Management (Australia) Limited 4.96 AUD ord -2,178 -2,178 30-May-22 BlackRock Investment Management (Australia) Limited no mkt buy 4.96 AUD ord 5.71 571 30-May-22 BlackRock Investment Management (Australia) Limited no mkt buy 5.26 AUD ord 5.082 5.082 31-May-22 BlackRock Fund Advisors in specie n/a AUD ord -21,444 21,444 31-May-22 BlackRock Institutional Trust Company, National Association on mkt sell 5.22 AUD ord -50,179 -50,179 31-May-22 BlackRock Institutional Trust Company, National Association on mkt sell 5.22 AUD ord -11,400 -11,400 31-May-22 BlackRock Investment Management Deutschland AG on mkt sell 5.21 AUD ord 3,723 3,723 31-May-22 BlackRock Investment Managemen			•					
26-May-22 BlackRock Investment Management (Australia) Limited 4.96 AUD ord -2,178 -2,178 26-May-22 BlackRock Investment Management (Australia) Limited 4.96 AUD ord 571 571 571 30-May-22 BlackRock Investment Management (Australia) Limited 4.96 AUD ord 5,082 5,082 5,082 31-May-22 BlackRock Investment Management (Australia) Limited 4.96 AUD ord 21,444 21,444 21,444 31-May-22 BlackRock Investment Management 4.96 AUD ord 4.1,449 -2								
28-May-22 BlackRock Investment Management (Australia) Limited on mkt buy 4.96 AUD ord 571 571 30-May-22 BlackRock Investment Management (Australia) Limited on mkt buy 5.26 AUD ord 5,082 5,082 31-May-22 BlackRock Investment Management on mkt sell n./a AUD ord 21,444 21,444 31-May-22 BlackRock Investment Management on mkt sell 5.22 AUD ord -50,179 -50,179 31-May-22 BlackRock Investment Management on mkt sell 5.22 AUD ord -11,400 -11,400 31-May-22 BlackRock Investment Management on mkt buy 5.21 AUD ord -11,400 -11,400 31-May-22 BlackRock Investment Management on mkt buy 5.21 AUD ord 12,062 12,062 31-May-22 BlackRock Investment Management on mkt buy 5.21 AUD ord 3,723 3,723 31-May-22 BlackRock Investment Management (Australia) Limited on mkt buy 5.21 AUD ord 3,814		BlackRock Investment Management						
So-May-22 BlackRock Investment Management On mkt buy So.26 AUD Ord So.82 So.82 (Australia) Limited SlackRock Fund Advisors In specie In/a AUD Ord 21,444 21,444 21,444 31-May-22 BlackRock Fund Advisors On mkt sell So.22 AUD Ord -21,449 -21,449 -21,449 31-May-22 BlackRock Fund Advisors On mkt sell So.22 AUD Ord -50,179 -50,179 -50,179 31-May-22 BlackRock Institutional Trust On mkt sell So.22 AUD Ord -11,400 -11,400 -11,400 Ord -11,400 -11,400 Ord -12,062 O	26-May-22	BlackRock Investment Management	on mkt buy	4.96	AUD	ord	571	571
31-May-22 BlackRock Fund Advisors in specie n/a AUD ord 21,444 21,444 21,444 31-May-22 BlackRock Investment Management on mkt sell 5.22 AUD ord -21,449 -21,449 31-May-22 BlackRock Fund Advisors on mkt sell 5.22 AUD ord -50,179 -50,179 31-May-22 BlackRock Fund Advisors on mkt sell 5.22 AUD ord -11,400	30-May-22	BlackRock Investment Management	on mkt buy	5.26	AUD	ord	5,082	5,082
31-May-22 BlackRock Fund Advisors on mkt sell 5.22 AUD ord -50,179 -50,179	31-May-22	,	in specie	n/a	AUD	ord	21,444	21,444
StackRock Asset Management								
Deutschland AG	31-May-22		on mkt sell	5.22	AUD	ord	-11,400	-11,400
O1-Jun-22 BlackRock Fund Advisors in specie n/a AUD ord 39,314 39,314	31-May-22		on mkt buy	5.21	AUD	ord	12,062	12,062
02-Jun-22 BlackRock Fund Advisors in specie n/a AUD ord 996 996 03-Jun-22 BlackRock Investment Management (Australia) Limited on mkt buy 5.04 AUD ord 6,281 6,281 06-Jun-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.93 AUD ord -27,225 -27,225 06-Jun-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.93 AUD ord -3,801 -3,801 07-Jun-22 BlackRock Investment Management (Australia) Limited on mkt buy 4.80 AUD ord 571 571 09-Jun-22 BlackRock Fund Advisors in specie n/a AUD ord 24,830 24,830 09-Jun-22 BlackRock Fund Advisors in specie n/a AUD ord 28,304 28,304 09-Jun-22 BlackRock Investment Management (Australia) Limited on mkt buy 4.61 AUD ord 6,852 6,852 09-Jun-22 BlackRock Fund Advisors on mkt buy	31-May-22	Company, National Association	on mkt buy	5.21	AUD	ord	3,723	3,723
03-Jun-22 BlackRock Investment Management (Australia) Limited on mkt buy 5.04 AUD ord 6,281 6,281 06-Jun-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.93 AUD ord -27,225 -27,225 06-Jun-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.93 AUD ord -3,801 -3,801 07-Jun-22 BlackRock Investment Management (Australia) Limited on mkt buy 4.80 AUD ord 571 571 09-Jun-22 BlackRock Fund Advisors in specie n/a AUD ord 24,830 24,830 09-Jun-22 BlackRock Investment Management (Australia) Limited on mkt buy 4.61 AUD ord 6,852 6,852 09-Jun-22 BlackRock Advisors (UK) Limited on mkt buy 4.61 AUD ord 41,692 41,692 09-Jun-22 BlackRock Fund Advisors on mkt sell 4.61 AUD ord -8,560 -8,560 09-Jun-22 BlackRock Fund Advisors <t< td=""><td>01-Jun-22</td><td></td><td>in specie</td><td>n/a</td><td>AUD</td><td>ord</td><td>39,314</td><td>39,314</td></t<>	01-Jun-22		in specie	n/a	AUD	ord	39,314	39,314
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09-Jun-22 BlackRock Fund Advisors on mkt sell 4.61 AUD ord -4,234 -4,234								
								3,624

PDL page 4 of 17

Date of Change	Person whose relevant interest changed	Consideration g	change (4) / liven in relation to nge (5)	CCY	` '	d number of s affected	Person's votes affected
14-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ord	571	571
14-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ord	571	571
14-Jun-22	BlackRock Asset Management Deutschland AG	on mkt sell	4.27	AUD	ord	-22,450	-22,450
15-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-12,672	-12,672
15-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.31	AUD	ord	1,452	1,452
15-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.31	AUD	ord	2,143	2,143
15-Jun-22	BlackRock Advisors (UK) Limited	on mkt sell	4.30	AUD	ord	-77,976	-77,976
16-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.27	AUD	ord	1,089	1,089
16-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	4.27	AUD	ord	762	762
16-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	4.27	AUD	ord	1,143	1,143
17-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,130	5,130
17-Jun-22	BlackRock Investment Management	on mkt sell	4.20	AUD	ord	-11,904	-11,904
17-Jun-22	(Australia) Limited BlackRock Advisors (UK) Limited	on mkt sell	4.20	AUD	ord	-20,369	-20,369
17-Jun-22	BlackRock Investment Management	on mkt buy	4.20	AUD	ord	19,713	19,713
17-Jun-22	(Australia) Limited BlackRock Investment Management	on mkt buy	4.20	AUD	ord	3,021	3,021
20-Jun-22	(Australia) Limited BlackRock Advisors (UK) Limited	on mkt sell	4.23	AUD	ord	-11,851	-11,851
20-Jun-22	BlackRock Investment Management	on mkt sell	4.23	AUD	ord	-5,890	-5,890
20-Jun-22	(UK) Limited BlackRock Asset Management	on mkt buy	4.18	AUD	ord	11,973	11,973
21-Jun-22	Deutschland AG BlackRock Fund Advisors	in specie	n/a	AUD	ord	-3,624	-3,624
21-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.22	AUD	ord	11,973	11,973
22-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	14,152	14,152
22-Jun-22	BlackRock Asset Management Deutschland AG	on mkt sell	4.22	AUD	ord	-287,376	-287,376
22-Jun-22	BlackRock Investment Management	on mkt sell	4.20	AUD	ord	-8,928	-8,928
23-Jun-22	(UK) Limited BlackRock Fund Advisors	in specie	n/a	AUD	ord	-16,283	-16,283
23-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,307	5,307
23-Jun-22	BlackRock Investment Management	on mkt buy	4.26	AUD	ord	2,232	2,232
24-Jun-22	(Australia) Limited BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,092	4,092
24-Jun-22	BlackRock Investment Management	on mkt buy	4.43	AUD	ord	571	571
24-Jun-22	(Australia) Limited BlackRock Fund Advisors	on mkt buy	4.43	AUD	ord	911	911
24-Jun-22	BlackRock Fund Advisors	on mkt buy	4.43	AUD	ord	40,274	40,274
27-Jun-22	BlackRock Fund Advisors	on mkt buy	4.57	AUD	ord	1,215	1,215
27-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	4.57	AUD	ord	26,410	26,410
27-Jun-22	BlackRock Fund Advisors	on mkt buy	4.57	AUD	ord	83,093	83,093
27-Jun-22	BlackRock Institutional Trust	on mkt sell	4.60	AUD	ord	-6,043	-6,043
27-Jun-22	Company, National Association BlackRock Fund Advisors	on mkt buy	4.60	AUD	ord	66	66
27-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	4.60	AUD	ord	1,441	1,441

PDL page 5 of 17

Date of Change	Person whose relevant interest changed	Nature of ch Consideration give change	en in relation to	CCY	Class (6) and securities		Person's votes affected
27-Jun-22	BlackRock Fund Advisors	on mkt buy	4.60	AUD	ord	4,536	4,536
28-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.63	AUD	ord	10,849	10,849
28-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-8,148	-8,148
28-Jun-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	86,275	86,275
29-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.57	AUD	ord	4,568	4,568
29-Jun-22	BlackRock Fund Advisors	on mkt buy	4.57	AUD	ord	578	578
29-Jun-22	BlackRock Fund Advisors	on mkt buy	4.57	AUD	ord	9,395	9,395
29-Jun-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	-86,275	-86,275
30-Jun-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,026	1,026
30-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.42	AUD	ord	-975	-975
30-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.42	AUD	ord	-20,638	-20,638
30-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.42	AUD	ord	-26,930	-26,930
30-Jun-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.42	AUD	ord	-8,230	-8,230
30-Jun-22	BlackRock Fund Advisors	on mkt buy	4.42	AUD	ord	1,307	1,307
30-Jun-22	BlackRock Asset Management	on mkt buy	4.42	AUD	ord	18,243	18,243
30-Jun-22	BlackRock Institutional Trust	on mkt buy	4.42	AUD	ord	6,421	6,421
01-Jul-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	86,276	86,276
04-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.37	AUD	ord	2,142	2,142
04-Jul-22	BlackRock Fund Advisors	on mkt buy	4.37	AUD	ord	1,065	1,065
05-Jul-22	BlackRock Investment Management	on mkt sell	4.38	AUD	ord	-1,785	-1,785
05-Jul-22	BlackRock Investment Management	on mkt sell	4.38	AUD	ord	-11,110	-11,110
05-Jul-22 05-Jul-22	BlackRock Advisors (UK) Limited BlackRock Investment Management (UK) Limited	on mkt buy collateral transfer	4.38 n/a	AUD	ord ord	21,284 -86,276	21,284 -86,276
06-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.29	AUD	ord	7,140	7,140
06-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.29	AUD	ord	1,785	1,785
06-Jul-22	BlackRock Advisors (UK) Limited	on mkt buy	4.29	AUD	ord	20,673	20,673
06-Jul-22	BlackRock Fund Advisors	on mkt buy	4.29	AUD	ord	972	972
06-Jul-22	BlackRock Fund Advisors	on mkt buy	4.29	AUD	ord	33,390	33,390
07-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-15,930	-15,930
07-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.32	AUD	ord	-985	-985
07-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.32	AUD	ord	-3,261	-3,261
08-Jul-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	-63,783	-63,783
08-Jul-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.37	AUD	ord	13,290	13,290
11-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	33,150	33,150
12-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.20	AUD	ord	8,925	8,925
13-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.20	AUD	ord	13,487	13,487
13-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.20	AUD	ord	171,622	171,622
13-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.19	AUD	ord	571	571
14-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.08	AUD	ord	1,428	1,428
14-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.08	AUD	ord	1,785	1,785
15-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-16,575	-16,575

PDL page 6 of 17

Date of Change	Person whose relevant interest changed	Nature of cha Consideration give change	n in relation to	CCY	` ,	d number of s affected	Person's votes affected
15-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	3.78	AUD	ord	14,487	14,487
15-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	3.78	AUD	ord	91,026	91,026
15-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	3.76	AUD	ord	2,142	2,142
19-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,470	2,470
19-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-33,150	-33,150
19-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,047	1,047
19-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.43	AUD	ord	7,497	7,497
20-Jul-22	BlackRock Investment Management	on mkt buy	4.34	AUD	ord	2,499	2,499
20-Jul-22	(Australia) Limited BlackRock Investment Management	on mkt buy	4.34	AUD	ord	9,136	9,136
20-Jul-22	(Australia) Limited BlackRock Fund Advisors	on mkt sell	4.34	AUD	ord	-583	-583
21-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	349	349
21-Jul-22	BlackRock Investment Management	on mkt buy	4.55	AUD	ord	5,355	5,355
21-Jul-22	(Australia) Limited BlackRock Asset Management	on mkt buy	4.55	AUD	ord	12,114	12,114
21-Jul-22	Deutschland AG BlackRock Investment Management	on mkt buy	4.55	AUD	ord	3,399	3,399
22-Jul-22	(Australia) Limited BlackRock Fund Advisors	in specie	n/a	AUD	ord	10,908	10,908
25-Jul-22	BlackRock Investment Management	on mkt buy	4.63	AUD	ord	2,856	2,856
	(Australia) Limited						
26-Jul-22 26-Jul-22	BlackRock Investment Management BlackRock Advisors (UK) Limited	on mkt sell on mkt buy	4.62 4.62	AUD AUD	ord ord	-2,076 381	-2,076 381
20-Jul-22 27-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,615	1,615
27-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.64	AUD	ord	9,136	9,136
27-Jul-22	BlackRock Advisors (UK) Limited	on mkt sell	4.64	AUD	ord	-4,953	-4,953
27-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	190,374	190,374
28-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-1	-1
29-Jul-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,180	4,180
29-Jul-22	BlackRock Investment Management (Australia) Limited		4.79	AUD	ord	1,570	1,570
29-Jul-22	BlackRock Advisors (UK) Limited	on mkt sell	4.79	AUD	ord	-41,340	-41,340
29-Jul-22 29-Jul-22	BlackRock Institutional Trust BlackRock Advisors (UK) Limited	on mkt buy collateral transfer	4.79 n/a	AUD	ord ord	6,303	6,303
01-Aug-22	BlackRock Fund Advisors	on mkt buy	4.78	AUD	ord	1,555	1,555
01-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	4.78	AUD	ord	41,328	41,328
01-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	4.78	AUD	ord	22,854	22,854
02-Aug-22	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	19,695	19,695
02-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.82	AUD	ord	3,570	3,570
02-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.82	AUD	ord	7,178	7,178
02-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-190,374	-190,374
02-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	190,374	190,374
03-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	57,984	57,984
03-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.79	AUD	ord	20,858	20,858
03-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	190,374	190,374
03-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	-190,374	-190,374
04-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,011	1,011
04-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,746	1,746

PDL page 7 of 17

Date of Change	Person whose relevant interest changed	Nature of ch Consideration give change	en in relation to	CCY	` ,	d number of s affected	Person's votes affected
04-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.88	AUD	ord	7,994	7,994
04-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.88	AUD	ord	-13,566	-13,566
04-Aug-22	BlackRock Fund Advisors	on mkt buy	4.88	AUD	ord	4,830	4,830
04-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-190,374	-190,374
04-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	190,374	190,374
05-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	59,456	59,456
05-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-9,564	-9,564
05-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.90	AUD	ord	3,140	3,140
05-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.90	AUD	ord	1,071	1,071
05-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.90	AUD	ord	36,327	36,327
05-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	190,374	190,374
05-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	-190,374	-190,374
08-Aug-22	BlackRock Investment Management	on mkt sell	4.78	AUD	ord	-14,994	-14,994
08-Aug-22	(Australia) Limited BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	171,474	171,474
09-Aug-22	BlackRock Investment Management	on mkt buy	4.86	AUD	ord	3,570	3,570
09-Aug-22	(Australia) Limited BlackRock Investment Management (Australia) Limited	on mkt buy	4.86	AUD	ord	2,142	2,142
09-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	26	26
10-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	11,121	11,121
10-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-3,164	-3,164
11-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-3,186	-3,186
11-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.95	AUD	ord	4,710	4,710
11-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.95	AUD	ord	7,100	7,100
11-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.95	AUD	ord	6,977	6,977
12-Aug-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	58,887	58,887
15-Aug-22	BlackRock Investment Management	on mkt buy	4.83	AUD	ord	1,713	1,713
16-Aug-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	12,726	12,726
16-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-346,307	-346,307
17-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	5.02	AUD	ord	762	762
17-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.02	AUD	ord	2,200	2,200
17-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-15,567	-15,567
17-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	361,874	361,874
18-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.01	AUD	ord	-137,088	-137,088
18-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	361,874	361,874
18-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	-361,874	-361,874
19-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-361,874	-361,874
22-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.85	AUD	ord	-6,069	-6,069
22-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.85	AUD	ord	2,856	2,856
22-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	4.85	AUD	ord	-20,721	-20,721

PDL page 8 of 17

Date of Change	Person whose relevant interest changed	Nature of cha Consideration give change	n in relation to	CCY	CCY Class (6) and number of securities affected		Person's votes affected
22-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	361,874	361,874
23-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	115,316	115,316
23-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	-361,874	-361,874
24-Aug-22	BlackRock Fund Advisors	on mkt buy	4.88	AUD	ord	25,196	25,196
24-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-115,316	-115,316
25-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.29	AUD	ord	2,076	2,076
25-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt sell	5.29	AUD	ord	-5,179	-5,179
25-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	329,118	329,118
26-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-329,118	-329,118
29-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.13	AUD	ord	-13,566	-13,566
29-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.13	AUD	ord	571	571
29-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.13	AUD	ord	2,499	2,499
30-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.13	AUD	ord	-20,760	-20,760
30-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.13	AUD	ord	18,684	18,684
30-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	179,166	179,166
31-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.20	AUD	ord	-15,457	-15,457
31-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.20	AUD	ord	-9,945	-9,945
31-Aug-22	BlackRock Fund Advisors	on mkt buy	5.20	AUD	ord	340	340
31-Aug-22	BlackRock Fund Advisors	on mkt buy	5.20	AUD	ord	1,253	1,253
31-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	5.20	AUD	ord	3,240	3,240
31-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	5.20	AUD	ord	3,146	3,146
31-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	5.20	AUD	ord	1,445	1,445
31-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	5.20	AUD	ord	521	521
31-Aug-22	BlackRock Fund Advisors	on mkt buy	5.20	AUD	ord	4,038	4,038
31-Aug-22	BlackRock Fund Advisors	on mkt buy	5.20	AUD	ord	14,900	14,900
31-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.20	AUD	ord	5,170	5,170
31-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	5.20	AUD	ord	38,517	38,517
31-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	5.20	AUD	ord	37,391	37,391
31-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	5.20	AUD	ord	17,180	17,180
31-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	5.20	AUD	ord	6,186	6,186
31-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-177,081	-177,081
31-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	177,052	177,052
01-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.17	AUD	ord	-3,959	-3,959
01-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-2,085	-2,085
01-Sep-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	-177,052	-177,052
02-Sep-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	-29,835	-29,835

PDL page 9 of 17

Date of Change	Person whose relevant interest changed	Nature of ch Consideration give change	en in relation to	CCY	` '	d number of s affected	Person's votes affected
02-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-3,186	-3,186
02-Sep-22	BlackRock Advisors (UK) Limited	on mkt buy	5.15	AUD	ord	21,051	21,051
05-Sep-22	BlackRock Investment Management	on mkt sell	5.18	AUD	ord	-38,892	-38,892
05-Sep-22	(Australia) Limited BlackRock Advisors (UK) Limited	on mkt sell	5.17	AUD	ord	-7,393	-7,393
06-Sep-22	BlackRock Investment Management	on mkt buy	5.15	AUD	ord	3,570	3,570
06-Sep-22	(Australia) Limited BlackRock Investment Management	on mkt sell	5.15	AUD	ord	-39,984	-39,984
06-Sep-22	(Australia) Limited BlackRock Investment Management	on mkt buy	5.15	AUD	ord	714	714
07-Sep-22	(Australia) Limited BlackRock Investment Management	on mkt sell	5.15	AUD	ord	-49,231	-49,231
07-Sep-22	(Australia) Limited BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	119,648	119,648
08-Sep-22	BlackRock Investment Management	on mkt sell	5.20	AUD	ord	-84,613	-84,613
08-Sep-22	(Australia) Limited BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-119,648	-119,648
09-Sep-22	BlackRock Investment Management	on mkt sell	5.21	AUD	ord	-45,310	-45,310
09-Sep-22	(Australia) Limited BlackRock Investment Management	on mkt sell	5.27	AUD	ord	-6,531	-6,531
09-Sep-22	(UK) Limited BlackRock Investment Management	on mkt buy	5.17	AUD	ord	1,071	1,071
·	(Australia) Limited BlackRock Investment Management						
09-Sep-22	(Australia) Limited	on mkt buy	5.17	AUD	ord	601	601
09-Sep-22	BlackRock Fund Advisors	on mkt buy	5.17	AUD	ord	28,884	28,884
09-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	578,769	578,769
12-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	12,726	12,726
12-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-42,660	-42,660
13-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	12,726	12,726
13-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,716	3,716
13-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-1,263	-1,263
13-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.24	AUD	ord	-3,570	-3,570
13-Sep-22	BlackRock Fund Advisors	on mkt buy	5.24	AUD	ord	595	595
13-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-536,109	-536,109
14-Sep-22	BlackRock Investment Management	on mkt sell	5.10	AUD	ord	-10,579	-10,579
14-Sep-22	(Australia) Limited BlackRock Investment Management	on mkt sell	5.10	AUD	ord	-35,664	-35,664
14-Sep-22	(Australia) Limited BlackRock Investment Management	on mkt buy	5.11	AUD	ord	1,071	1,071
14-Sep-22	(Australia) Limited BlackRock Advisors (UK) Limited	on mkt sell	5.11	AUD	ord	-21,002	-21,002
14-Sep-22	BlackRock Fund Advisors	on mkt buy	5.11	AUD	ord	27,874	27,874
14-Sep-22	BlackRock Asset Management	on mkt sell	5.11	AUD	ord	-31,735	-31,735
14-Sep-22	Deutschland AG BlackRock Advisors (UK) Limited	on mkt sell	5.11	AUD	ord	-7,251	-7,251
14-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	93,913	93,913
15-Sep-22	BlackRock Advisors (UK) Limited	on mkt buy	5.16	AUD	ord	20,956	20,956
15-Sep-22	BlackRock Institutional Trust	on mkt sell	5.16	AUD	ord	-1,743	-1,743
	Company, National Association						
15-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-93,913	-93,913

PDL page 10 of 17

Date of Change	Person whose relevant interest changed	Nature of cha Consideration give change	n in relation to	CCY	` '	d number of s affected	Person's votes affected
16-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	5.03	AUD	ord	601	601
16-Sep-22	BlackRock Advisors (UK) Limited	on mkt buy	5.03	AUD	ord	13,030	13,030
16-Sep-22	BlackRock Investment Management	on mkt sell	5.03	AUD	ord	-7,704	-7,704
16-Sep-22	(Australia) Limited BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	652,098	652,098
19-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.93	AUD	ord	1,071	1,071
19-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-468	-468
19-Sep-22	BlackRock Investment Management	collateral transfer	n/a	AUD	ord	24,430	24,430
20-Sep-22	(UK) Limited BlackRock Fund Advisors	on mkt buy	4.91	AUD	ord	739	739
20-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-651,630	-651,630
20-Sep-22	BlackRock Investment Management	collateral transfer	n/a	AUD	ord	-24,430	-24,430
21-Sep-22	(UK) Limited BlackRock Investment Management	on mkt buy	4.88	AUD	ord	9,852	9,852
21-Sep-22	(Australia) Limited BlackRock Investment Management	on mkt buy	4.87	AUD	ord	8,046	8,046
21-Sep-22	(Australia) Limited BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	630,178	630,178
22-Sep-22	BlackRock Institutional Trust	in specie	n/a	AUD	ord	-8,285	-8,285
22-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-630,178	-630,178
23-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.72	AUD	ord	80,214	80,214
23-Sep-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.78	AUD	ord	12,155	12,155
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.57	AUD	ord	-76,928	-76,928
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.57	AUD	ord	601	601
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.57	AUD	ord	1,428	1,428
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.57	AUD	ord	601	601
26-Sep-22	BlackRock Fund Advisors	on mkt sell	4.58	AUD	ord	-7,240	-7,240
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.57	AUD	ord	-1,885	-1,885
26-Sep-22	BlackRock Fund Advisors	on mkt sell	4.58	AUD	ord	-124,944	-124,944
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.57	AUD	ord	20,747	20,747
26-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.57	AUD	ord	1,290	1,290
26-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	582,994	582,994
27-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-6,496	-6,496
27-Sep-22	BlackRock Fund Advisors	on mkt sell	4.43	AUD	ord	-493	-493
27-Sep-22	BlackRock Fund Advisors	on mkt buy	4.43	AUD	ord	16,279	16,279
27-Sep-22	BlackRock Fund Advisors	on mkt sell	4.43	AUD	ord	-32,477	-32,477
27-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.43	AUD	ord	-17,540	-17,540
27-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-579,364	-579,364
27-Sep-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	272,810	272,810
28-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-17,790	-17,790
28-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.42	AUD	ord	63,128	63,128
28-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.42	AUD	ord	58,983	58,983
28-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.42	AUD	ord	7,746	7,746
PDI	,,,						a 11 of 17

PDL page 11 of 17

Date of Change	Person whose relevant interest changed	Nature of cha Consideration give change	n in relation to	CCY	` '	d number of s affected	Person's votes affected
28-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.40	AUD	ord	2,499	2,499
28-Sep-22	BlackRock Asset Management Canada Limited	on mkt sell	4.40	AUD	ord	-2,287	-2,287
28-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-3,630	-3,630
28-Sep-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	-272,810	-272,810
29-Sep-22	BlackRock Investment Management	on mkt buy	4.50	AUD	ord	201,715	201,71
29-Sep-22	BlackRock Advisors (UK) Limited	on mkt buy	4.49	AUD	ord	20,979	20,97
30-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	16,522	16,52
30-Sep-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,940	1,94
30-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.48	AUD	ord	35,810	35,81
30-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.49	AUD	ord	45,153	45,15
30-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.48	AUD	ord	7,611	7,61
30-Sep-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.50	AUD	ord	1,428	1,42
30-Sep-22	BlackRock Institutional Trust Company, National Association	on mkt buy	4.50	AUD	ord	65,592	65,592
30-Sep-22	BlackRock Asset Management Canada Limited	on mkt sell	4.50	AUD	ord	-2,286	-2,280
30-Sep-22	BlackRock Advisors (UK) Limited	on mkt sell	4.50	AUD	ord	-9,242	-9,24
30-Sep-22	BlackRock Investment Management (UK) Limited		4.50	AUD	ord	-3,922	-3,92
30-Sep-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	3,795	3,79
03-Oct-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.40	AUD	ord	22,489	22,48
03-Oct-22	BlackRock Advisors (UK) Limited	on mkt buy	4.40	AUD	ord	19,624	19,62
03-Oct-22	BlackRock Fund Advisors	on mkt buy	4.40	AUD	ord	36,636	36,63
03-Oct-22	BlackRock Investment Management	on mkt buy	4.40	AUD	ord	8,784	8,78
03-Oct-22	(Australia) Limited BlackRock Fund Advisors	on mkt buy	4.40	AUD	ord	1,342	1,34
03-Oct-22	BlackRock Advisors (UK) Limited	on mkt buy	4.40	AUD	ord	20,973	20,97
03-Oct-22	BlackRock Advisors (UK) Limited	on mkt sell	4.40	AUD	ord	-41,946	-41,94
03-Oct-22	BlackRock Investment Management, LLC		4.40	AUD	ord	8,584	8,58
03-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-3,795	-3,79
04-Oct-22	BlackRock Investment Management		4.52	AUD	ord	2,499	2,49
04-Oct-22	(Australia) Limited BlackRock Investment Management	•	4.52	AUD	ord	1,124	1,12
04-Oct-22	(Australia) Limited BlackRock Asset Management	on mkt buy	4.52	AUD			12,26
	Deutschland AG				ord	12,268	
04-Oct-22	BlackRock Fund Advisors	on mkt buy	4.52	AUD	ord	517	51
05-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.68	AUD	ord	2,282	2,28
05-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.68	AUD	ord	14,601	14,60
05-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.68	AUD	ord	52,928	52,92
05-Oct-22	BlackRock Advisors (UK) Limited	on mkt buy	4.72	AUD	ord	84,380	84,38
06-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.75	AUD	ord	116,050	116,05
06-Oct-22	BlackRock Fund Advisors	on mkt sell	4.74	AUD	ord	-27,279	-27,27
06-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.74	AUD	ord	2,151	2,15
07-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,248	3,24
07-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,872	4,87
07-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.72	AUD	ord	4,797	4,79
07-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.72	AUD	ord	13,383	13,38
07-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	300,000	300,00
10-Oct-22	BlackRock Fund Advisors	on mkt buy	4.55	AUD	ord	507	50
10-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	4,930	4,93
10-Oct-22	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord	-176,577	-176,57
11-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,872	4,87
11-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,552	1,55
PDI							12 of 17

PDL

Date of Change	Person whose relevant interest changed	Nature of cha Consideration give change	n in relation to	CCY	` '	d number of s affected	Person's votes affected
11-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-79,671	-79,671
12-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.61	AUD	ord	35,343	35,343
13-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,248	3,248
13-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,716	3,716
13-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,716	3,716
13-Oct-22	BlackRock Fund Advisors	on mkt buy	4.55	AUD	ord	2,513	2,513
13-Oct-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.55	AUD	ord	20,711	20,711
13-Oct-22	BlackRock Advisors (UK) Limited	on mkt buy	4.55	AUD	ord	30,710	30,710
13-Oct-22	BlackRock Asset Management Canada Limited	on mkt buy	4.55	AUD	ord	2,255	2,255
13-Oct-22	BlackRock Fund Advisors	on mkt buy	4.55	AUD	ord	34,887	34,887
14-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.71	AUD	ord	3,572	3,572
14-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.71	AUD	ord	21,678	21,678
14-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,574	5,574
14-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	5,002	5,002
17-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,425	2,425
17-Oct-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.58	AUD	ord	12,367	12,367
17-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-225,331	-225,331
18-Oct-22	BlackRock Fund Advisors	on mkt buy	4.69	AUD	ord	6,570	6,570
19-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.93	AUD	ord	40,697	40,697
19-Oct-22	BlackRock Fund Advisors	on mkt buy	4.95	AUD	ord	521	521
19-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.95	AUD	ord	1,911	1,911
19-Oct-22	BlackRock Investment Management (UK) Limited	on mkt sell	4.95	AUD	ord	-2,927	-2,927
19-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	1	1
20-Oct-22	BlackRock Advisors (UK) Limited	on mkt buy	4.80	AUD	ord	21,283	21,283
20-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-4,931	-4,931
21-Oct-22	BlackRock Advisors (UK) Limited	on mkt buy	4.70	AUD	ord	1,760	1,760
21-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	4,930	4,930
24-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.75	AUD	ord	-35,343	-35,343
24-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.72	AUD	ord	3,560	3,560
25-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	776	776
25-Oct-22	BlackRock Investment Management, LLC	on mkt buy	4.82	AUD	ord	2,973	2,973
26-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.83	AUD	ord	-23,041	-23,041
26-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,806	3,806
28-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	7,612	7,612
28-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	11,298	11,298
28-Oct-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.87	AUD	ord	-12,291	-12,291
28-Oct-22	BlackRock Investment Management, LLC	on mkt buy	4.84	AUD	ord	6,170	6,170
28-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	20,866	20,866
31-Oct-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	388	388
31-Oct-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.91	AUD	ord	12,360	12,360
31-Oct-22	BlackRock Advisors (UK) Limited	on mkt buy	4.91	AUD	ord	1,792	1,792
31-Oct-22	BlackRock Institutional Trust Company, National Association	on mkt sell	4.91	AUD	ord	-3,162	-3,162
31-Oct-22	BlackRock Institutional Trust Company, National Association	on mkt sell	4.91	AUD	ord	-22,704	-22,704
31-Oct-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	672,698	672,698
01-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	14,408	14,408
01-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	-693,564	-693,564
02-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.03	AUD	ord	-8,963	-8,963
02-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,228	3,228
02-Nov-22	BlackRock Advisors (UK) Limited	on mkt sell	5.04	AUD	ord	-212,690	-212,690
02-Nov-22	BlackRock Fund Advisors	on mkt buy	5.06	AUD	ord	31,851	31,851
03-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,709	5,709

PDL page 13 of 17

	Date of Change	Person whose relevant interest changed	Nature of cha Consideration give change	n in relation to	CCY	` ,	d number of s affected	Person's votes affected
40-Nov-22 BlackRook Fund Advisors In specie n/a AUD ord 4,776 4,277 4,977	03-Nov-22	_			AUD	ord	603	603
04-Nov-22 BlackRock Advisors (IK) Limited 07-Nov-22 BlackRock Advisors (IK) Limited 07-Nov-22 07-Nov-2	04-Nov-22	,	in specie	n/a	AUD	ord	-1 276	-1 276
04-Nov-22 BlackRock Advisors (IVK) Limited								
94-No-v22 BlackRock Fund Advisors In specie In								
107-Nov-22 BlackRook Fund Advisors In specie n/a AUD ord 1,448 14,488 14,488 17-00 17-00 17-00 17-00 18,000 18,000 18,000 18,000 19,000								
107-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 3,306 3,306 3,006 70-Nov-22 BlackRock Advisors (UK) Limited oblateral transfer n/a AUD ord 4,930 4,930 4,930 6,980 6,		. ,	· · · · · · · · · · · · · · · · · · ·					
107-Nov-22 BlackRock Fund Advisors Inspecie n/a AUD ord 1,746			<u> </u>					
93-Nov-22 BlackRock Advisors (UK) Limited (Australia) Limited								
Beach Beac			<u> </u>				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
SeN-Nov-22 BlackRock Arvivers (UK) Limited Selection of the content of the co		` '						
		(Australia) Limited						
Countries Limited Limited Countries Limited Limited Countries Limited Limited Countries Limited			collateral transfer			ord		
Gastrials Jumited Gastrians Gastri	09-Nov-22	(Australia) Limited	in specie	n/a	AUD	ord	-61,181	-61,181
OS-Nov-22 BlackRock NewStement Management Os-Nov-22 BlackRock Advisors (UK) Limited Os-Nov-22 BlackRock Investment Management Os-Nov-22 BlackRock	09-Nov-22		on mkt sell	4.40	AUD	ord	-46,388	-46,388
Description	09-Nov-22		on mkt sell	4.40	AUD	ord	-10,252	-10,252
99-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 5,926 5,226 5,236	09-Nov-22	· · · · · · · · · · · · · · · · · · ·	on mkt sell	4.40	AUD	ord	-56,567	-56,567
99-Nov-22 BlackRock Advisors (UK) Limited on mixt sell 3.91 AUD ord 5.835 5.395 10-Nov-22 BlackRock Advisors (UK) Limited on mixt sell 3.91 AUD ord 4.830 4.930 10-Nov-22 BlackRock Advisors (UK) Limited in specie n/a AUD ord -16,111 -16,111 11-Nov-22 BlackRock Advisors (UK) Limited in specie n/a AUD ord -6,027 -6,027 -6,027 11-Nov-22 BlackRock Investment Management on mixt sell 4.20 AUD ord -29,640 -29,640 -29,640 -29,640 -29,640 -29,640 -29,640 -29,640 -29,640 -29,640 -3,0457 -3,457 -11-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord -3,467 -3,457 -3,457 -14-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord -3,467 -3,457 -3	09-Nov-22	· · · · · · · · · · · · · · · · · · ·	in specie	n/a	AUD	ord	5,626	5 626
10-Nov-22 BlackRock Advisors (UK) Limited 10-Nov-22 BlackRock Investment Management 10-Nov-22 10-N		BlackRock Advisors (UK) Limited	<u> </u>					
10-Nov-22 BlackRock Advisors (UK) Limited Inspecie n/a AUD ord -4,930		BlackRock Investment Management						
10-Nov-22 BlackRock Anvisors (UK) Limited in specie n/a AUD ord -16,111 -16,111 11-Nov-22 BlackRock Investment Management (Australia) Limited 4.20 AUD ord -29,640 -29,6	10-Nov 22	, ,	collateral transfer	n/a	ALID	ord	-4 030	_4 020
11-Nov-22 BlackRock Investment Management on mkt sell 4.20 AUD ord -5,027 -6,027 -6,027		` ,						
(Australia) Limited (Australia) Limited		. ,	<u> </u>				· · · · · · · · · · · · · · · · · · ·	
Autonomic Auto		(Australia) Limited						
11-Nov-22 BlackRock Investment Management Commits sell 4.20 AUD Ord -3,457 -3,457 -3,457 LLC LLC BlackRock Advisors (UK) Limited Collateral transfer n/a AUD Ord 4,930 4,930 4,930 15-Nov-22 BlackRock Fund Advisors In specie n/a AUD Ord 3,806 3,806 3,806 15-Nov-22 BlackRock Investment Management Collateral transfer N/a AUD Ord -32,173 -32,173 15-Nov-22 BlackRock Mivestment Management Collateral transfer n/a AUD Ord -73,751 -73,751 15-Nov-22 BlackRock Advisors (UK) Limited Collateral transfer n/a AUD Ord -4,928 -4,928 16-Nov-22 BlackRock Investment Management On mkt sell 4.40 AUD Ord -10,000		(Australia) Limited	on mkt sell			ord		
14-Nov-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 4,930 4,930 15-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 3,806 3,806 15-Nov-22 BlackRock Investment Management on mkt sell 4,22 AUD ord -32,173	11-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,806	3,806
15-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 3,806 3,806 15-Nov-22 BlackRock Investment Management on mkt sell 4.22 AUD ord -32,173 -	11-Nov-22	•	on mkt sell	4.20	AUD	ord	-3,457	-3,457
15-Nov-22 BlackRock Investment Management (Australia) Limited 4.22 AUD ord -32,173 -32,173 -32,173 15-Nov-22 BlackRock Investment Management (Australia) Limited 4.22 AUD ord -73,751 -73,751 -73,751 15-Nov-22 BlackRock Advisors (UK) Limited 4.40 AUD ord -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -4,928 -	14-Nov-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	4,930	4,930
(Australia) Limited	15-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,806	3,806
(Australia) Limited 15-Nov-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord -4,928 -4,928 16-Nov-22 BlackRock Investment Management on mkt sell 4.40 AUD ord -64,050 -64,050	15-Nov-22		on mkt sell	4.22	AUD	ord	-32,173	-32,173
15-Nov-22 BlackRock Investment Management (Australia) Limited	15-Nov-22		on mkt sell	4.22	AUD	ord	-73,751	-73,751
(Australia) Limited 16-Nov-22 BlackRock Investment Management (Australia) Limited 16-Nov-22 BlackRock Advisors (UK) Limited 16-Nov-22 BlackRock Fund Advisors 16-Nov-22 BlackRock Investment Management 17-Nov-22 BlackRock Investment Management 18-Nov-22 BlackRock Fund Advisors 16-Nov-22 BlackRock Rock Investment Management 16-Nov-22 16-Nov-22 BlackRock Rock Investment Management 16-Nov-22 16-Nov-22	15-Nov-22		collateral transfer	n/a	AUD	ord	-4,928	-4,928
16-Nov-22 BlackRock Advisors (UK) Limited 0n mkt sell 4.46 AUD ord -1.803 -1.803 16-Nov-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord -2 -2 17-Nov-22 BlackRock Advisors in specie n/a AUD ord 9,055 9,055 17-Nov-22 BlackRock Investment Management (Australia) Limited 4.93 AUD ord -2,856 -2,856 -2,856 18-Nov-22 BlackRock Investment Management (Australia) Limited 4.84 AUD ord -64,726 -64,726 -64,726 18-Nov-22 BlackRock Investment Management on mkt sell 4.84 AUD ord -18,374 -18,374 18-Nov-22 BlackRock Investment Management on mkt sell 4.84 AUD ord -17,46 17,46 18-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 554 554 18-Nov-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 4,930 4,930 21-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,746 1,746 21-Nov-22 BlackRock Fund Advisors on mkt buy 4.83 AUD ord 662 662 662 21-Nov-22 BlackRock Fund Advisors on mkt buy 4.83 AUD ord 662 662 662 21-Nov-22 BlackRock Advisors (UK) Limited on mkt buy 4.83 AUD ord 10,317 10,317 21-Nov-22 BlackRock Advisors (UK) Limited on mkt buy 4.83 AUD ord 5,696 -5,696 -5,696 23-Nov-22 BlackRock Advisors (UK) Limited on mkt sell 4.85 AUD ord -99,953 -99,953 23-Nov-22 BlackRock Advisors (UK) Limited on mkt sell 4.87 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -1,257 -1,257 -1,257 23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -1,257 -1,257 -1,257 -1,25	16-Nov-22	· ·	on mkt sell	4.40	AUD	ord	-17,775	-17,775
16-Nov-22 BlackRock Advisors (UK) Limited on mkt sell	16-Nov-22	BlackRock Investment Management	on mkt sell	4.40	AUD	ord	-64,050	-64,050
16-Nov-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord -2 -2 17-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 9,055 9,055 17-Nov-22 BlackRock Investment Management con mkt sell 4.93 AUD ord -2,856 -2,856 -2,856 18-Nov-22 BlackRock Investment Management con mkt sell 4.84 AUD ord -64,726 -74,726 -74,726 -74,726 -74,726 -74,726 -74,726 -74,726 -74,726	16-Nov-22	, ,	on mkt sell	4 46	AUD	ord	-1 803	-1 803
17-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 9,055 9,055 17-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.93 AUD ord -2,856 -2,856 18-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.84 AUD ord -64,726 -64,726 18-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.84 AUD ord -18,374 -18,374 18-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.84 AUD ord -18,374 -18,374 18-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,746 1,746 18-Nov-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 4,930 4,930 21-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,746 1,746 21-Nov-22 BlackRock Fund Advisors on mkt buy								
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18-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.84 AUD ord -18,374 -18,374 -18,374 18-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,746 1,746 18-Nov-22 BlackRock Fund Advisors on mkt buy 4.85 AUD ord 554 554 18-Nov-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 4,930 4,930 21-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,746 1,746 21-Nov-22 BlackRock Fund Advisors on mkt buy 4.83 AUD ord 662 662 21-Nov-22 BlackRock Advisors (UK) Limited on mkt buy 4.83 AUD ord 16,475 16,475 22-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.85 AUD ord -99,953 -99,953 23-Nov-22 BlackRock Advisors (UK) Limited on mkt sell 4.87	18-Nov-22	BlackRock Investment Management	on mkt sell	4.84	AUD	ord	-64,726	-64,726
18-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,746 1,746 18-Nov-22 BlackRock Fund Advisors on mkt buy 4.85 AUD ord 554 554 18-Nov-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 4,930 4,930 21-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,746 1,746 21-Nov-22 BlackRock Fund Advisors on mkt buy 4.83 AUD ord 662 662 21-Nov-22 BlackRock Asset Management on mkt buy 4.83 AUD ord 10,475 10,317 10,317 21-Nov-22 BlackRock Advisors (UK) Limited on mkt buy 4.83 AUD ord -5,696 -5,696 22-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.85 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.87 AUD ord	18-Nov-22	BlackRock Investment Management	on mkt sell	4.84	AUD	ord	-18,374	-18,374
18-Nov-22 BlackRock Fund Advisors on mkt buy 4.85 AUD ord 554 554 18-Nov-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 4,930 4,930 21-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,746 1,746 21-Nov-22 BlackRock Fund Advisors on mkt buy 4.83 AUD ord 662 662 21-Nov-22 BlackRock Asset Management on mkt buy 4.83 AUD ord 10,317 10,317 Deutschland AG 21-Nov-22 BlackRock Advisors (UK) Limited on mkt buy 4.83 AUD ord 16,475 16,475 22-Nov-22 BlackRock Investment Management on mkt sell 4.85 AUD ord -5,696 -5,696 (Australia) Limited 23-Nov-22 BlackRock Investment Management, in specie n/a AUD ord -99,953 -99,953 LLC 23-Nov-22 BlackRock Advisors (UK) Limited on mkt sell 4.87 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -15,789 -15,789 (Australia) Limited 23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -15,789 -15,789 (Australia) Limited	10 Nov 00	, ,	in enocie	n/o	ALID	ard	1 740	4 740
18-Nov-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 4,930 4,930 21-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,746 1,746 21-Nov-22 BlackRock Fund Advisors on mkt buy 4.83 AUD ord 662 662 21-Nov-22 BlackRock Asset Management Deutschland AG on mkt buy 4.83 AUD ord 10,317 10,317 21-Nov-22 BlackRock Advisors (UK) Limited on mkt buy 4.83 AUD ord 16,475 16,475 22-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.85 AUD ord -5,696 -5,696 23-Nov-22 BlackRock Advisors (UK) Limited on mkt sell 4.87 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.87 AUD ord -15,789 -15,789 23-Nov-22 BlackRock Fund Advisors in specie n/a								
21-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,746 1,746 21-Nov-22 BlackRock Fund Advisors on mkt buy 4.83 AUD ord 662 662 21-Nov-22 BlackRock Asset Management Deutschland AG on mkt buy 4.83 AUD ord 10,317 10,317 21-Nov-22 BlackRock Advisors (UK) Limited on mkt buy 4.83 AUD ord 16,475 16,475 22-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.85 AUD ord -5,696 -5,696 23-Nov-22 BlackRock Advisors (UK) Limited on mkt sell 4.87 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management (Australia) Limited on mkt sell 4.87 AUD ord -15,789 -15,789 23-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,176 1,176			•					
21-Nov-22 BlackRock Fund Advisors on mkt buy 4.83 AUD ord 662 662 21-Nov-22 BlackRock Asset Management on mkt buy 4.83 AUD ord 10,317 10,317 Deutschland AG 21-Nov-22 BlackRock Advisors (UK) Limited on mkt buy 4.83 AUD ord 16,475 16,475 22-Nov-22 BlackRock Investment Management on mkt sell (Australia) Limited 23-Nov-22 BlackRock Investment Management, in specie n/a AUD ord -99,953 -99,953 LLC 23-Nov-22 BlackRock Advisors (UK) Limited on mkt sell 4.87 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -15,789 -15,789 (Australia) Limited 23-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,176 1,176		` ,						
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21-Nov-22 BlackRock Advisors (UK) Limited on mkt buy 4.83 AUD ord 16,475 16,475 22-Nov-22 BlackRock Investment Management on mkt sell 4.85 AUD ord -5,696 -5,696 (Australia) Limited 7-99,953 -99,953 LLC 7-1,257 23-Nov-22 BlackRock Advisors (UK) Limited on mkt sell 4.87 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -15,789 -15,789 (Australia) Limited 7-1,176 1,176 23-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,176 1,176		BlackRock Asset Management						
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LLC 23-Nov-22 BlackRock Advisors (UK) Limited on mkt sell 4.87 AUD ord -1,257 -1,257 23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -15,789 -15,789 (Australia) Limited 23-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,176 1,176	23-Nov-22	, ,	in specie			ord	-99,953	
23-Nov-22 BlackRock Investment Management on mkt sell 4.87 AUD ord -15,789 -15,789 (Australia) Limited 23-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,176 1,176		LLC	•					
23-Nov-22 BlackRock Fund Advisors in specie n/a AUD ord 1,176 1,176		BlackRock Investment Management						
, , ,	23-Nov-22	,	in specie	n/a	ALID	ord	1 176	1 176

PDL page 14 of 17

Date of Change	Person whose relevant interest changed	Nature of ch Consideration give change	en in relation to	CCY	` ,	d number of s affected	Person's votes affected
24-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.82	AUD	ord	-231,291	-231,291
25-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	7,244	7,244
25-Nov-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,806	3,806
28-Nov-22	BlackRock Investment Management, LLC	on mkt sell	4.93	AUD	ord	-3,045	-3,045
29-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.96	AUD	ord	2,848	2,848
29-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.96	AUD	ord	1,206	1,206
30-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.99	AUD	ord	-85,711	-85,711
30-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.00	AUD	ord	-2,698	-2,698
30-Nov-22	BlackRock Investment Management (Australia) Limited	on mkt sell	5.00	AUD	ord	-9,612	-9,612
30-Nov-22	BlackRock Fund Advisors	on mkt buy	5.00	AUD	ord	258	258
30-Nov-22	BlackRock Fund Advisors	on mkt buy	5.00	AUD	ord	484	484
30-Nov-22	BlackRock Fund Advisors	on mkt buy	5.00	AUD	ord	10,376	10,376
30-Nov-22	BlackRock Fund Advisors	on mkt buy	5.00	AUD	ord	3,452	3,452
30-Nov-22	BlackRock Advisors (UK) Limited	on mkt sell	5.00	AUD	ord	-684	-684
30-Nov-22	BlackRock Fund Advisors	on mkt buy	5.00	AUD	ord	16,116	16,116
30-Nov-22	BlackRock Fund Advisors	on mkt buy	5.00	AUD	ord	48,432	48,432
30-Nov-22	BlackRock Institutional Trust Company, National Association	on mkt sell	5.00	AUD	ord	-12,860	-12,860
01-Dec-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,598	4,598
01-Dec-22	BlackRock Advisors (UK) Limited	on mkt buy	5.00	AUD	ord	21,377	21,377
02-Dec-22	BlackRock Advisors (UK) Limited	on mkt buy	4.94	AUD	ord	21,378	21,378
02-Dec-22	BlackRock Investment Management, LLC	on mkt sell	4.94	AUD	ord	-4,612	-4,612
05-Dec-22	BlackRock Advisors (UK) Limited	on mkt buy	4.98	AUD	ord	31,623	31,623
05-Dec-22	BlackRock Fund Advisors	on mkt buy	4.99	AUD	ord	1,823	1,823
05-Dec-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.99	AUD	ord	18,428	18,428
05-Dec-22	BlackRock Fund Advisors	on mkt buy	4.99	AUD	ord	29,367	29,367
06-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.98	AUD	ord	-12,460	-12,460
06-Dec-22	BlackRock Advisors (UK) Limited	on mkt buy	4.98	AUD	ord	1,245	1,245
07-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.92	AUD	ord	2,011	2,011
07-Dec-22	BlackRock Investment Management (UK) Limited		n/a	AUD	ord	2	2
08-Dec-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,598	4,598
08-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt sell	4.86	AUD	ord	-159,521	-159,521
08-Dec-22	BlackRock Advisors (UK) Limited	on mkt buy	4.85	AUD	ord	21,584	21,584
08-Dec-22	BlackRock Fund Advisors	on mkt buy	4.85	AUD	ord	29,959	29,959
08-Dec-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ord	-2	-2
13-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.94	AUD	ord	603	603
13-Dec-22	BlackRock Fund Advisors	on mkt sell	4.94	AUD	ord .	-4,255	-4,255
13-Dec-22 14-Dec-22	BlackRock Fund Advisors BlackRock Asset Management	on mkt sell on mkt sell	4.94 4.92	AUD	ord ord	-30,226 -71,217	-30,226 -71,217
14-Dec-22	Deutschland AG	on mkt sall	4.00	ALID	اديرو	E0 007	E0 007
14-Dec-22	BlackRock Advisors (UK) Limited BlackRock Investment Management	on mkt sell on mkt buy	4.92 4.90	AUD	ord ord	-58,027 2,136	-58,027 2,136
15-Dec-22	(Australia) Limited BlackRock Investment Management (Australia) Limited	on mkt sell	4.89	AUD	ord	-151,084	-151,084
15-Dec-22	(Australia) Limited BlackRock Fund Advisors	on mkt buy	4.87	AUD	ord	590	590
15-Dec-22	BlackRock Fulld Advisors BlackRock Institutional Trust Company, National Association	on mkt sell	4.87	AUD	ord	-10,690	-10,690
16-Dec-22	BlackRock Investment Management (UK) Limited	on mkt sell	4.91	AUD	ord	-1,390	-1,390
16-Dec-22	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,598	4,598
16-Dec-22	BlackRock Asset Management Deutschland AG	on mkt buy	4.87	AUD	ord	12,098	12,098
16-Dec-22	BlackRock Investment Management (Australia) Limited	on mkt buy	4.87	AUD	ord	12,816	12,816
16-Dec-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	24,581	24,581

PDL page 15 of 17

Deutschland AG	Date of Change	Person whose relevant interest changed	Nature of cha Consideration give change	n in relation to	CCY	` '	nd number of s affected	Person's votes affected
19-Dec 2 BlackRock Fund Advisors on mix buy 4.88 AUD ord 0.45 3.00 2.45 3.00 2	19-Dec-22		on mkt buy	4.88	AUD	ord	12,098	12,098
29-Dec 22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 0.4581 2.4581 2.4582 2.00-Dec 22 BlackRock Fund Advisors or mix buy 4.90 AUD ord 0.30,747 3.07 3.07 2.00-Dec 22 BlackRock Fund Advisors or mix buy 4.90 AUD ord 0.3141 3.07 3.0	19-Dec-22		on mkt buv	4 88	AUD	ord	1 001	1,001
20-Dec-22 BlackRock Fund Advisors In specie In a AUD ord 6,897 6,65			· · · · · · · · · · · · · · · · · · ·					-24,58
20-De-20_2 BlackRock Fund Advisors or mixt buy 4.90 AUD ord 30,747 30,742 21-De-22_2 BlackRock Fund Advisors in specie n/a AUD ord 13,314 33,22 21-De-22_2 BlackRock Fund Advisors in specie n/a AUD ord 15,314 33,23 21-De-22_2 BlackRock Investment Management (UK) Limited on mixt sell 4.93 AUD ord 301,008 301,008 22-De-22_2 BlackRock Investment Management (UK) Limited on mixt sell 4.96 AUD ord -96,276 -96,276 22-De-22_2 BlackRock Advisors (UK) Limited on mixt sell 4.96 AUD ord 2.138 2.1 22-De-22_2 BlackRock Advisors (UK) Limited on mixt sell 4.96 AUD ord 380,584 886.5 23-De-22_2 BlackRock Fund Advisors in specie n/a AUD ord 381,522 3.3 23-De-22_2 BlackRock Advisors (UK) Limited on mixt sell 4.97 AUD ord 2.10,		. ,						6,897
20-Dec 22 BlackRock Favorsor (UK) Limited 20-Dec 22 BlackRock invalational Trust 20-Dec 22 BlackRoc			<u> </u>					30,747
21-Dec-22 BlackRock Frund Advisors mapacie max AUD ord 16,544 -16,544							· · · · · · · · · · · · · · · · · · ·	11
21-Dec 2 BlackRook Institutional Trust								
Company, National Association Calebrard transfer n/a AUD ord 301,006 301			<u> </u>					
CUK Limited Customial C		Company, National Association						
Caustralia Lumined Caustralia Caus		(UK) Limited						
Authorials Limited Collateral transfer n/a AUD ord 896,584 896,520 22-Dec-22 BlackRock Advisors (UK) Limited Collateral transfer n/a AUD ord -301,006 -301,		(Australia) Limited				ord		-96,276
22-Dec 2 BlackRock fund Advisors In specie In	22-Dec-22	(Australia) Limited	on mkt buy	4.99	AUD	ord	,	2,136
23-Dec-22 BlackRook Fund Advisors in specie n/a AUD ord 3,312 3.3 3.3 3.2	22-Dec-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	896,584	896,584
23-Dec-22 BlackRook Fund Advisors in specie on mat buy 4.97 AUD ord 3,312 3,32 23-Dec-22 BlackRook Advisors (UK) Limited on mitt sell 4.97 AUD ord 2,21,000	22-Dec-22	•	collateral transfer	n/a	AUD	ord	-301,006	-301,006
23-Dec-22 BlackRock Arvisors (UK) Limited on mixt sell 497 AUD ord 221,000 2-21,000 2-21,000 2-22,000 2-22,000 2-22,000 2-21,000	23-Dec-22		in specie	n/a	AUD	ord	3.312	3,312
23-Dec-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 21,000 21,000 22,00								527
23-Dec-22 BlackRock Advisors (UK) Limited collateral transfer n/a			′					-21,000
28-De-022 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 882,67 882,6 28-De-022 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord -89,542 -89,52 29-De-022 BlackRock Advisors (UK) Limited (Australia) Limited		. ,						-883,029
28-Dec-22 BlackRock Advisors (UK) Limited Collateral transfer N/a AUD ord -3 -89,8		` '						
29-Dec-22 BlackRock Investment Management 29-Dec-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord collateral transfer collateral t		. ,						-(
29-Dec-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord -518,199 -518,1 30-Dec-22 BlackRock Investment Management on mkt buy 5.01 AUD ord -6.667 -16.667 -		BlackRock Investment Management						-89,542
Australia Limited	29-Dec-22	,	collateral transfer	n/a	AUD	ord	-518,199	-518,199
So-Dec-22 BlackRock Advisors (UK) Limited So-Dec-22 BlackRock Advisors (UK) Limited So-Dec-23 BlackRock Advisors (UK) Limited So-Dec-24 So-Dec-24 So-Dec-25 BlackRock Investment Management So-Dec-25 So-Dec-26	30-Dec-22	•	on mkt buy	5.01	AUD	ord	603	603
30-Dec-22 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord -377,921 -377,92 -377,93 Collateral transfer n/a AUD ord 1,780 1,7 Collateral transfer n/a AUD ord 1,780 1,7 Collateral transfer n/a AUD ord 1,780 1,7 Collateral transfer n/a AUD ord 21,612 21,6 Collateral transfer n/a AUD ord 21,612 21,6 Collateral transfer n/a AUD ord 21,612 21,6 Collateral transfer n/a AUD ord 0,96 9 0,5 Collateral transfer n/a AUD ord 14,408 14,4 0,5 Collateral transfer n/a AUD ord 18,010 18,0 Collateral transfer n/a AUD ord 18,010 18,0 Collateral transfer n/a AUD ord 2,075 2,0 Collateral transfer n/a AUD ord 3,560 3,5 Collateral transfer n/a AUD ord 4,5013 4,50 Collateral transfer n/a AUD ord 4,5013 4,50 Collateral transfer n/a AUD ord 4,5013 4,50 Collateral transfer n/a AUD ord 1,408 1,44	30-Dec-22	BlackRock Institutional Trust	on mkt sell	5.01	AUD	ord	-16,667	-16,667
BlackRock kryestment Management (Australia) Limited 1,780 1,800	20 Dec 22		callatoral transfer	n/a	ALID	and	277 004	277.02
(Australia) Limited 04-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 21,612 21,6 04-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 996 9 05-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 14,408 14,4 05-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 18,010 18,0 05-Jan-23 BlackRock Advisors (UK) Limited on mkt sell 5,22 AUD ord 4,1,990 41,9 05-Jan-23 BlackRock Advisors (UK) Limited on mkt sell 5,22 AUD ord 2,075 2,0 05-Jan-23 BlackRock Advisors (UK) Limited on mkt sell 5,22 AUD ord 2,075 2,0 05-Jan-23 BlackRock Investment Management (Australia) Limited on mkt sell 5,22 AUD ord 1,517 1,5 06-Jan-23 BlackRock Investment Management, (Australia) Limited on mkt sell 5,22 AUD ord 2,075 2,0 06-Jan-23 BlackRock Investment Management, (Australia) Limited on mkt sell 5,29 AUD ord 4,5,013 45,0 09-Jan-23 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 4,5,013 45,0 09-Jan-23 BlackRock Advisors (UK) Limited on mkt buy 5,16 AUD ord 3,560 3,5 09-Jan-23 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord 4,5,013 45,0 09-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 14,408 14,4 11-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 10,806 10,8 11-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 13,3,66 33,1 11-Jan-23 BlackRock Institutional Trust on mkt buy 5,10 AUD ord 10,806 10,8 11-Jan-23 BlackRock Institutional Trust on mkt buy 5,10 AUD ord 6,02 6 11-Jan-23 BlackRock Institutional Trust on mkt buy 5,10 AUD ord 4,8,687 46,6 12-Jan-23 BlackRock Institutional Trust on mkt buy 5,10 AUD ord 2,313,443 2,313,4 11-Jan-23 BlackRock Kunestment Management (Australia) Limited 5,18 AUD ord 2,313,443 2,313,4 12-Jan-23 BlackRock Fund Advisors on mkt sell 5,18 AUD ord 2,616,663 2,616,61 12-Jan-23 BlackRock Fund Advisors on mkt sell 5,18 AUD ord 3,4,994 34,94 12-Jan-23 BlackRock Fund Advisors on mkt sell 5,18 AUD ord 3,56,530 3,56,53 12-Jan-23 BlackRock Kund Advisors on mkt sell 5,18 AUD ord 3,56,530 3,56,53 12-Jan-23 BlackRock Kund Advisors on mkt sell 5,18 AUD ord 3,56,530 3,56,								
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18,010 1								996
05-Jan-23 BlackRock Advisors (UK) Limited on mikt sell 5.22 AUD ord -41,990 -41,990 -41,900 5.20 Os-Jan-23 BlackRock Advisors (UK) Limited on mikt buy 5.22 AUD ord 2,075 2,0 05-Jan-23 BlackRock Investment Management (Australia) Limited (Australia) Limited 5.22 AUD ord -1,517 -1,5							· · · · · · · · · · · · · · · · · · ·	14,408
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(Australia) Limited	05-Jan-23		· · · · · · · · · · · · · · · · · · ·			ord		2,07
LLC	05-Jan-23	· · · · · · · · · · · · · · · · · · ·	on mkt sell	5.22	AUD	ord	-1,517	-1,517
09-Jan-23 BlackRock Investment Management (Australia) Limited on mkt buy 5.16 AUD ord 3,560 3,10 3,10 <	06-Jan-23	_	on mkt sell	5.29	AUD	ord	-6,613	-6,613
09-Jan-23 BlackRock Investment Management (Australia) Limited on mkt buy 5.16 AUD ord 3,560 3,560 09-Jan-23 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord -45,013 -45,00 10-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 114,408 14,4 11-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 10,806 10,8 11-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 33,166 33,1 11-Jan-23 BlackRock Institutional Trust Company, National Association on mkt buy 5.10 AUD ord 128,058 128,0 11-Jan-23 BlackRock Institutional Trust Company, National Association on mkt buy 5.10 AUD ord 128,058 128,0 11-Jan-23 BlackRock Investment Management (Australia) Limited on mkt buy 5.12 AUD ord -48,687 -48,6 12-Jan-23 BlackRock Fund Advisors on mkt	06-Jan-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ord	45,013	45,013
09-Jan-23 BlackRock Advisors (UK) Limited collateral transfer n/a AUD ord -45,013 -45,0 10-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 14,408 14,4 11-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 10,806 10,8 11-Jan-23 BlackRock Institutional Trust Company, National Association on mkt buy 5.10 AUD ord 128,058 128,0 11-Jan-23 BlackRock Institutional Trust Company, National Association on mkt buy 5.10 AUD ord 128,058 128,0 11-Jan-23 BlackRock Institutional Trust Company, National Association on mkt buy 5.10 AUD ord 128,058 128,0 11-Jan-23 BlackRock Investment Management (Australia) Limited on mkt buy 5.12 AUD ord -48,687 -48,6 12-Jan-23 BlackRock Investment Management (Australia) Limited on mkt sell 5.18 AUD ord -319,192 -319,19 12-Jan-23 Blac	09-Jan-23	BlackRock Investment Management	on mkt buy	5.16	AUD	ord	3,560	3,560
10-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 14,408 14,408 14,408 11-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 10,806 10,806 10,806 11-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 33,166 33,111-Jan-23 BlackRock Institutional Trust on mkt buy 5.10 AUD ord 105,455 105,400 Company, National Association 11-Jan-23 BlackRock Institutional Trust on mkt buy 5.10 AUD ord 128,058 128,000 Company, National Association 11-Jan-23 BlackRock Investment Management on mkt buy 5.12 AUD ord ord 602 600	09-Jan-23	, ,	collateral transfer	n/a	AUD	ord	-45 013	-45,013
11-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 10,806 10,806 10,806 11-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 33,166 33,1 11-Jan-23 BlackRock Institutional Trust Company, National Association On mkt buy 5.10 AUD ord 128,058 128,0 Company, National Association On mkt buy 5.10 AUD ord 128,058 128,0 Company, National Association On mkt buy 5.12 AUD ord								14,408
11-Jan-23 BlackRock Fund Advisors in specie n/a AUD ord 33,166 33,1								10,806
11-Jan-23 BlackRock Institutional Trust On mkt buy S.10 AUD Ord 105,455 105,4								33,166
BlackRock Institutional Trust Company, National Association S.10 AUD ord 128,058 128		BlackRock Institutional Trust					· · · · · · · · · · · · · · · · · · ·	105,455
11-Jan-23 BlackRock Investment Management (Australia) Limited 5.12 AUD ord 602	11-Jan-23	BlackRock Institutional Trust	on mkt buy	5.10	AUD	ord	128,058	128,058
12-Jan-23 BlackRock Investment Management (Australia) Limited on mkt sell 5.19 AUD ord -48,687 -48,687 12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -319,192 -319,19 12-Jan-23 BlackRock Asset Management Deutschland AG on mkt sell 5.18 AUD ord -2,313,443 -2,313,44 12-Jan-23 BlackRock Advisors (UK) Limited On mkt sell 5.18 AUD ord -2,616,663 -2,616,66 12-Jan-23 BlackRock Asset Management Canada Limited on mkt sell 5.18 AUD ord -34,994 -34,994 12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -5,568,292 -5,568,2 12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -356,530 -356,53 12-Jan-23 BlackRock Investment Management (UK) Limited on mkt sell 5.18 AUD ord -493 -4	11-Jan-23	BlackRock Investment Management	on mkt buy	5.12	AUD	ord	602	602
12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -319,192 -319,19 12-Jan-23 BlackRock Asset Management Deutschland AG on mkt sell 5.18 AUD ord -2,313,443 -2,313,44 12-Jan-23 BlackRock Advisors (UK) Limited on mkt sell 5.18 AUD ord -2,616,663 -2,616,6 12-Jan-23 BlackRock Asset Management Canada Limited on mkt sell 5.18 AUD ord -34,994 -34,994 12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -5,568,292 -5,568,2 12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -356,530 -356,5 12-Jan-23 BlackRock Investment Management (UK) Limited on mkt sell 5.18 AUD ord -493 -4	12-Jan-23	BlackRock Investment Management	on mkt sell	5.19	AUD	ord	-48,687	-48,68
12-Jan-23 BlackRock Asset Management Deutschland AG on mkt sell 5.18 AUD ord -2,313,443 -2,616,663	10 Ion 00	, ,	on mkt sell	E 40	ALID	al	240 400	240 404
12-Jan-23 BlackRock Advisors (UK) Limited on mkt sell 5.18 AUD ord -2,616,663 -34,994		BlackRock Asset Management						-2,313,443
12-Jan-23 BlackRock Asset Management on mkt sell 5.18 AUD ord -34,994 -34,904 12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -5,568,292 -5,568,200 12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -356,530 -356,500 12-Jan-23 BlackRock Investment Management on mkt sell 5.18 AUD ord -493 -400 (UK) Limited	40 1 22			F 40	ALID		0.040.000	0.040.00
12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -5,568,292 -5,568,2 12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -356,530 -356,5 12-Jan-23 BlackRock Investment Management (UK) Limited on mkt sell 5.18 AUD ord -493 -4		BlackRock Asset Management						-2,616,663 -34,994
12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -356,530 -356,5 12-Jan-23 BlackRock Investment Management on mkt sell 5.18 AUD ord -493 -4 (UK) Limited								
12-Jan-23 BlackRock Investment Management on mkt sell 5.18 AUD ord -493 -4 (UK) Limited						ord		-5,568,292
(UK) Limited						ord	· · · · · · · · · · · · · · · · · · ·	-356,530
12-Jan-23 BlackRock Fund Advisors on mkt sell 5.18 AUD ord -23,971 -23,9		(UK) Limited				ord	-493	-493
	12-Jan-23	BlackRock Fund Advisors	on mkt sell	5.18	AUD	ord	-23,971	-23,971

PDL page 16 of 17

Date of Change	Person whose relevant interest changed	Consideration gi	change (4) / iven in relation to ge (5)	CCY	` '	d number of s affected	Person's votes affected
12-Jan-23	BlackRock Asset Management Deutschland AG	on mkt sell	5.18	AUD	ord	-173,737	-173,737
12-Jan-23	BlackRock Advisors (UK) Limited	on mkt sell	5.18	AUD	ord	-222,271	-222,271
12-Jan-23	BlackRock Asset Management Canada Limited	on mkt sell	5.18	AUD	ord	-2,628	-2,628
12-Jan-23	BlackRock Fund Advisors	on mkt sell	5.18	AUD	ord	-418,176	-418,176
12-Jan-23	BlackRock Fund Advisors	on mkt sell	5.18	AUD	ord	-26,774	-26,774
12-Jan-23	BlackRock Investment Management (UK) Limited	on mkt sell	5.18	AUD	ord	-36	-36
12-Jan-23	BlackRock Fund Advisors	on mkt sell	5.18	AUD	ord	-10,855	-10,855
12-Jan-23	BlackRock Asset Management Deutschland AG	on mkt sell	5.18	AUD	ord	-78,668	-78,668
12-Jan-23	BlackRock Advisors (UK) Limited	on mkt sell	5.18	AUD	ord	-100,641	-100,641
12-Jan-23	BlackRock Asset Management Canada Limited	on mkt sell	5.18	AUD	ord	-1,191	-1,191
12-Jan-23	BlackRock Fund Advisors	on mkt sell	5.18	AUD	ord	-189,344	-189,344
12-Jan-23	BlackRock Fund Advisors	on mkt sell	5.18	AUD	ord	-12,124	-12,124
12-Jan-23	BlackRock Investment Management (UK) Limited	on mkt sell	5.18	AUD	ord	-18	-18
12-Jan-23	BlackRock Advisors (UK) Limited	on mkt sell	5.18	AUD	ord	-1,194	-1,194
12-Jan-23	BlackRock Advisors (UK) Limited	on mkt sell	5.18	AUD	ord	-12,378	-12,378
12-Jan-23	BlackRock Advisors (UK) Limited	on mkt sell	5.18	AUD	ord	-64,427	-64,427
12-Jan-23	BlackRock Advisors (UK) Limited	on mkt sell	5.18	AUD	ord	-65,790	-65,790
12-Jan-23	BlackRock Advisors (UK) Limited	on mkt sell	5.18	AUD	ord	-90,621	-90,621
12-Jan-23	BlackRock Advisors (UK) Limited	on mkt sell	5.18	AUD	ord	-108,612	-108,612
12-Jan-23	BlackRock Advisors (UK) Limited	on mkt buy	5.17	AUD	ord	20,990	20,990
12-Jan-23	BlackRock Fund Advisors	in specie	n/a	AUD	ord	20,864	20,864

PDL page 17 of 17

This is Annexure B of 1 page referred to in form 605 Notice of ceasing to be a substantial shareholder

	17-Jan-23
Shawna Reese,	Date
Authorised Signatory	

7. Addresses

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

Name	Address
BlackRock Group	
BlackRock Inc.	55 East 52nd Street New York NY 10055 USA
BlackRock 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 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

PDL page 1 of 1

17-Jan-23 Shawna Reese, Authorised Signatory Date	This is Annexure C of 3 pages referred to in form 60	5 Notice of ceasing to be a substantial shareholder
	Shawna Reese, Authorised Signatory	

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 A. Holder of voting rights: The Borrower. Yes. Collateral is held through a tripartite structure under white the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower.		
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 A. 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 whith the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty collateral will not act in respect of voting rights unless it receives instructions to do so from the Borrower in the triparty colla	Type of agreement:	Securities Lending Agreement or Master Securities Lending
Holder of voting rights: The Borrower. Yes. Collateral is held through a tripartite structure under whithe 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 A. Does the borrower have the right to return early? If yes, detail Does the lender have the right to recall early? Yes, at notice.	Parties to agreement:	Limited and BlackRock Institutional Trust Corporation, N.A.,
Are there any restrictions on voting rights? If yes, detail Scheduled return date (if any): The date of the relevant transaction referred to in Annexure A Does the borrower have the right to return early? If yes, detail Does the lender have the right to recall early? If yes, detail Yes. Collateral is held through a tripartite structure under white the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrower is transaction referred to in Annexure A Yes. The Borrower is entitled to substitute existing collateral with other equities at any time. Yes, at notice.	Transfer date:	
the triparty collateral manager will not act in respect of voting rights unless it receives instructions to do so from the Borrowe structions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe structions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions to do so from the Borrowe rights unless it receives instructions rights unless it receives instructions rights u	Holder of voting rights:	The Borrower.
Does the borrower have the right to return early? If yes, detail Does the lender have the right to recall early? If yes, detail Yes. The Borrower is entitled to substitute existing collateral with other equities at any time. Yes, at notice.	,	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.
lf yes, detail Does the lender have the right to recall early? If yes, detail Yes, at notice.	Scheduled return date (if any):	The date of the relevant transaction referred to in Annexure A.
If yes, detail	early?	The Borrower is entitled to substitute existing collateral with
	-	Yes, at notice.
	-	Yes.
If yes, detail any exceptions	If yes, detail any exceptions	

A copy of the relevant agreement will be provided to PENDAL GROUP LTD or the Australian Securities and Investments Commission upon request.

Securities Lending Agreements

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

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

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

- a. Bank of Nova Scotia GMSLA, December 6, 2016
- b. Barclays Bank plc GMSLA, April 24, 2017
- c. Barclays Capital Securities Limited GMSLA, March 15, 2017
- d. BNP Paribas Arbitrage GMSLA, June 5, 2017
- e. Citigroup Global Markets Limited GMSLA, June 3, 2015
- f. Credit Suisse AG, Dublin Branch GMSLA, October 14, 2015
- g. Credit Suisse International GMSLA, April 4, 2020
- h. Credit Suisse Securities (Europe) Limited GMSLA, October 2, 2015
- i. Deutsche Bank AG, London Branch GMSLA, June 7, 2017
- j. Goldman Sachs International OSLA April 1, 2004
- k. HSBC Bank plc GMSLA, February 12, 2013
- I. 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**