Form 603

Corporations Act 2001 Section 671B

Notice of initial substantial holder

To Company Name/Scheme	Whitehaven Coal Limited
ACN/ARSN	124 425 396
1. Details of substantial holder (1)	
Name	Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those
<u> </u>	listed in Annexure A)
ACN/ARSN (if applicable)	N/A
The holder became a substantial holder on	13 January 2023

2. Details of voting power

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

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Ordinary	44,590,478	44,590,478	5.014%

3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
Vanguard Group	Vanguard Group is the manager of various Mutual funds	Ordinary - 44,590,478
	and accounts and in that capacity has the power to dispose	-
	of the shares. The other members of Vanguard Group have	
	a relevant interest under section 608(3) of the Corporations	
	Act.	

4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
Vanguard Group	Brown Brothers Harriman	Various funds and other accounts of Vanguard Group	Ordinary – 1,108,411
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Ordinary – 2,966,662
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Ordinary – 33,561,755
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Ordinary – 6,953,650

5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest Date of acquisition		Consideration (9)	Class and number of securities	
See Annexure A				

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6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

Address

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

7. Addresses

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

Name

Vanguard Group	P.O. Box 2600, V26 Valley Forge, PA 19482 USA		
print name _	Shawn Acker	capacity	Compliance Manager
sign here	STOROUN Secre	date	18 January 2023

DIRECTIONS

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

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.

- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Details of the consideration must include any and all benefits, moneys and other, that any person from whom a relevant interest has 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 of its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

To Company Whitehaven Coal Limited

ACN/ARSN 124 425 396

Substantial Holder Name Vanguard Group
ACN/ARSN N/A

			Consideration given in relation		Number of securities	Person's votes
Date of change	Person whose relevant interest changed	Nature of Change(6)	to change(7)	Class	affected	affected
16-Sep-22	The Vanguard Group, Inc.	SELL	8.63	Ordinary	(16,189)	(16,189)
16-Sep-22		BUY	8.63		798	798
16-Sep-22 16-Sep-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL BUY	8.63 8.63	Ordinary Ordinary	(13,281) 6,082	(13,281) 6,082
16-Sep-22		BUY	8.63		7,740	7,740
16-Sep-22		SELL	8.63	Ordinary	(338)	(338)
16-Sep-22	The Vanguard Group, Inc.	SELL	8.63	Ordinary	(6,754)	(6,754)
16-Sep-22		SELL SELL	8.63	Ordinary	(477)	(477)
16-Sep-22 16-Sep-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL	8.63 8.63	Ordinary Ordinary	(109,766) (358,381)	(358,381)
	The Vanguard Group, Inc.	SELL	8.63		(69,627)	(69,627)
16-Sep-22		SELL	8.63		(474,935)	(474,935)
16-Sep-22		SELL	8.63		(268,258)	(268,258)
16-Sep-22 16-Sep-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY SELL	8.62 8.63	Ordinary Ordinary	984 (23,551)	984 (23,551)
19-Sep-22		SELL	8.43		(35,090)	(35,090)
19-Sep-22		BUY	8.41		4,335	4,335
19-Sep-22		BUY		Ordinary	920	920
21-Sep-22 22-Sep-22		BUY	8.93 8.92		5,922 1,380	5,922 1,380
23-Sep-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	9.20	Ordinary Ordinary	3,063	3,063
23-Sep-22	The Vanguard Group, Inc.	BUY	9.06	Ordinary	51,910	51,910
26-Sep-22	The Vanguard Group, Inc.	BUY	7.91	Ordinary	1,404	1,404
26-Sep-22		BUY	7.91		1,185	1,185
	The Vanguard Group, Inc.	BUY	8.40		74,320	74,320
26-Sep-22 26-Sep-22		BUY SELL	8.40 8.40	Ordinary Ordinary	74,320 (74,320)	74,320 (74,320)
26-Sep-22		BUY	7.97	Ordinary	7,896	7,896
26-Sep-22	The Vanguard Group, Inc.	BUY	7.97	Ordinary	4,335	4,335
27-Sep-22		BUY	8.45		264	264
27-Sep-22 27-Sep-22		BUY	8.36 8.36	Ordinary Ordinary	2,816 867	2,816 867
27-Sep-22 29-Sep-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	9.18	Ordinary	3,106	3,106
29-Sep-22	The Vanguard Group, Inc.	BUY	9.25	Ordinary	3,008	3,008
29-Sep-22	The Vanguard Group, Inc.	BUY	9.25	Ordinary	1,840	1,840
	The Vanguard Group, Inc.	BUY	9.07		1,840	1,840
3-Oct-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	9.36	Ordinary Ordinary	2,812 3,945	2,812 3,945
3-Oct-22		BUY	9.14	Ordinary	819	819
4-Oct-22	The Vanguard Group, Inc.	BUY	9.95	Ordinary	2,812	2,812
4-Oct-22		BUY	9.95		2,812	2,812
	The Vanguard Group, Inc.	BUY	9.95		4,218	4,218
4-Oct-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	9.95	Ordinary Ordinary	3,516 920	3,516 920
5-Oct-22	The Vanguard Group, Inc.	BUY	9.76	Ordinary	385	385
6-Oct-22	The Vanguard Group, Inc.	BUY	10.46	Ordinary	1,405	1,405
6-Oct-22	The Vanguard Group, Inc.	BUY	10.25	Ordinary	1,380	1,380
7-Oct-22 10-Oct-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	10.96 10.54	Ordinary Ordinary	381 920	381 920
10-Oct-22		BUY	10.54		1,840	1,840
11-Oct-22		SELL	10.37	Ordinary	(1,149)	(1,149)
11-Oct-22		BUY	10.35	Ordinary	2,913	2,913
11-Oct-22	The Vanguard Group, Inc.	BUY	10.35	Ordinary	1,380	1,380
11-Oct-22 12-Oct-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL BUY	10.28 10.68	Ordinary Ordinary	(1,586) 253	(1,586)
12-Oct-22		BUY	10.65	Ordinary	7,768	7,768
12-Oct-22	The Vanguard Group, Inc.	BUY	10.61	Ordinary	52,538	52,538
13-Oct-22		BUY	10.89	Ordinary	11,935	11,935
14-Oct-22	The Vanguard Group, Inc.	BUY	10.87	Ordinary	34,516	34,516 2,630
17-Oct-22 17-Oct-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	10.96 10.96	Ordinary Ordinary	2,630 1,380	1,380
	The Vanguard Group, Inc.	BUY	10.41		10,683	10,683
	The Vanguard Group, Inc.	BUY	10.32		1,380	1,380
19-Oct-22		BUY	10.28	Ordinary	36,577	36,577
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY		Ordinary Ordinary	7,624 920	7,624 920
	The Vanguard Group, Inc.	BUY		Ordinary	457	457
21-Oct-22	The Vanguard Group, Inc.	BUY	10.78	Ordinary	3,395	3,395
21-Oct-22		BUY	10.78		2,716	2,716
21-Oct-22 21-Oct-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	10.78 10.78	Ordinary Ordinary	5,718 6,671	5,718 6,671
21-Oct-22	The Vanguard Group, Inc.	BUY	10.78		5,915	5,915
21-Oct-22	The Vanguard Group, Inc.	BUY	10.78	Ordinary	920	920
25-Oct-22		SELL		Ordinary	(832)	(832)
25-Oct-22		BUY	10.51 10.51	Ordinary Ordinary	2,648 1,380	2,648 1,380
25-Oct-22 26-Oct-22		BUY	9.67		7,315	7,315
26-Oct-22	The Vanguard Group, Inc.	BUY	9.67		8,577	8,577
26-Oct-22	The Vanguard Group, Inc.	BUY	9.67		5,100	5,100
26-Oct-22		BUY	9.67		2,760	2,760
26-Oct-22 28-Oct-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	9.67 9.46	Ordinary Ordinary	920 5,742	920 5,742
1-Nov-22		BUY	9.15	Ordinary	764	764
1-Nov-22	The Vanguard Group, Inc.	BUY	9.25	Ordinary	12,597	12,597
1-Nov-22	The Vanguard Group, Inc.	BUY	9.25		920	920
	The Vanguard Group, Inc.	BUY	9.25		3,220	3,220
3-Nov-22 3-Nov-22		BUY	9.40	Ordinary Ordinary	7,650 920	7,650 920
4-Nov-22		BUY	9.97	Ordinary	257	257
4-Nov-22	The Vanguard Group, Inc.	BUY	10.33	Ordinary	5,976	5,976
					6.703	6.703
4-Nov-22		BUY	10.33		6,783	
4-Nov-22 4-Nov-22	The Vanguard Group, Inc.	BUY	10.33	Ordinary	5,814	6,783 5,814
4-Nov-22	The Vanguard Group, Inc. The Vanguard Group, Inc.			Ordinary Ordinary		

Date of change 9-Nov-22	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class Ordinary	Number of securities affected 764	Person's votes affected
9-Nov-22		BUY	8.61	Ordinary	31,029	31,029
10-Nov-22		BUY	8.67	Ordinary	4,840	4,840
10-Nov-22		BUY	8.67	Ordinary	3,872	3,872
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	8.67 8.67	Ordinary Ordinary	5,808 7,395	5,808 7,395
11-Nov-22		BUY	8.04	Ordinary	3,629	3,629
11-Nov-22		BUY	8.15	Ordinary	1,380	1,380
14-Nov-22		BUY	8.26	Ordinary	920	920
15-Nov-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	8.27 8.23	Ordinary Ordinary	41,101 1,530	41,101 1,530
	The Vanguard Group, Inc.	BUY	8.23	Ordinary	920	920
15-Nov-22	The Vanguard Group, Inc.	BUY	8.27	Ordinary	8,954	8,954
16-Nov-22		SELL	8.71	Ordinary	(379)	(379)
16-Nov-22 16-Nov-22		BUY SELL	8.71 8.73	Ordinary Ordinary	28,792 (2,454)	28,792 (2,454)
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	8.19	Ordinary	770	770
	The Vanguard Group, Inc.	BUY	8.18	Ordinary	920	920
	The Vanguard Group, Inc.	BUY	8.18	Ordinary	2,300	2,300
22-Nov-22		BUY	9.11	Ordinary	283	283
22-Nov-22 22-Nov-22		BUY	9.19 9.19	Ordinary Ordinary	4,755 1,380	4,755 1,380
25-Nov-22		SELL	9.07	Ordinary	(12,085)	(12,085)
25-Nov-22		SELL	9.07	Ordinary	(4,800)	(4,800)
30-Nov-22		SELL	10.04	Ordinary	(24,275)	(24,275)
30-Nov-22		BUY	10.04	Ordinary	774	774
1-Dec-22 2-Dec-22		SELL BUY	9.90 9.74	Ordinary Ordinary	(3,172) 297	(3,172) 297
2-Dec-22		SELL	9.60	Ordinary	(1,599)	(1,599)
5-Dec-22	The Vanguard Group, Inc.	BUY	9.55	Ordinary	194	194
	The Vanguard Group, Inc.	BUY	9.79	Ordinary	1,380	1,380
6-Dec-22 8-Dec-22		BUY	9.79 9.65	Ordinary Ordinary	2,300 920	2,300 920
8-Dec-22		BUY	9.65	Ordinary	920	920
13-Dec-22		BUY	9.59	Ordinary	780	780
13-Dec-22	The Vanguard Group, Inc.	BUY	9.59	Ordinary	266	266
13-Dec-22		SELL	9.59	Ordinary	(15,505)	(15,505)
13-Dec-22 13-Dec-22		BUY SELL	9.67 9.58	Ordinary Ordinary	1,840 (991)	1,840 (991)
16-Dec-22		BUY	10.28	Ordinary	9,466	9,466
16-Dec-22		BUY	10.28	Ordinary	56,493	56,493
	The Vanguard Group, Inc.	SELL	10.28	Ordinary	(7,360)	(7,360)
	The Vanguard Group, Inc.	SELL	10.28	Ordinary	(490)	(490)
16-Dec-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY SELL	10.28 10.28	Ordinary Ordinary	390 (7,475)	390 (7,475)
16-Dec-22		SELL	10.28	Ordinary	(498)	(498)
16-Dec-22		SELL	10.28	Ordinary	(8,415)	(8,415)
16-Dec-22		SELL	10.28	Ordinary	(560)	(560)
16-Dec-22 16-Dec-22		SELL SELL	10.28 10.28	Ordinary Ordinary	(145)	(145)
16-Dec-22		SELL	10.28	Ordinary	(293)	(293)
16-Dec-22		SELL	10.28	Ordinary	(4,392)	(4,392)
16-Dec-22		SELL	10.28	Ordinary	(15)	(15)
16-Dec-22		SELL	10.28	Ordinary	(213)	(213)
	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL SELL	10.28 10.28	Ordinary Ordinary	(43,889) (2,917)	(43,889) (2,917)
16-Dec-22		SELL	10.28	Ordinary	(151,761)	(151,761)
16-Dec-22		SELL	10.28	Ordinary	(10,084)	(10,084)
16-Dec-22		SELL	10.28	Ordinary	(2,888)	(2,888)
16-Dec-22		SELL	10.28	Ordinary	(43,461)	(43,461)
16-Dec-22	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL SELL	10.28 10.28	Ordinary Ordinary	(17,388) (261,700)	(17,388) (261,700)
16-Dec-22		SELL	10.28	Ordinary	(6,332)	(6,332)
16-Dec-22		SELL	10.28	Ordinary	(95,283)	(95,283)
16-Dec-22	mt is to the	SELL	10.28	Ordinary	(202)	(202)
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY		Ordinary Ordinary	(3,026) 1,380	(3,026)
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY		Ordinary	920	920
	The Vanguard Group, Inc.	BUY	10.41		1,380	1,380
21-Dec-22		BUY	10.78	Ordinary	740	740
21-Dec-22 23-Dec-22		SELL BUY	10.60 10.52	Ordinary Ordinary	(1,669) 185	(1,669) 185
23-Dec-22		BUY	10.52	Ordinary	1,380	1,380
28-Dec-22		SELL	9.76	Ordinary	(9,167)	(9,167)
28-Dec-22	The Vanguard Group, Inc.	BUY	9.71	Ordinary	11,064	11,064
28-Dec-22		BUY	9.71	Ordinary	2,300	2,300
29-Dec-22 29-Dec-22		BUY	9.28 9.35	Ordinary Ordinary	1,370 5,532	1,370 5,532
	The Vanguard Group, Inc.	SELL	8.83	Ordinary	(3,296)	(3,296)
4-Jan-23	The Vanguard Group, Inc.	BUY	9.17	Ordinary	3,044	3,044
	The Vanguard Group, Inc.	SELL	8.72	Ordinary	(39,160)	(39,160)
	The Vanguard Group, Inc.	BUY	9.12	Ordinary	1,526	1,526
5-Jan-23 5-Jan-23	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	8.98 9.00	Ordinary Ordinary	4,773 920	4,773 920
	The Vanguard Group, Inc.	BUY	9.00	Ordinary	920	920
6-Jan-23	The Vanguard Group, Inc.	SELL	9.13	Ordinary	(9,994)	(9,994)
	The Vanguard Group, Inc.	BUY	9.25	Ordinary	5,538	5,538
6-Jan-23 6-Jan-23		BUY	9.25 9.25	Ordinary Ordinary	2,286 1,380	2,286 1,380
9-Jan-23		BUY	9.25	Ordinary	1,563	1,380
	The Vanguard Group, Inc.	BUY	9.07	Ordinary	742	742
11-Jan-23	The Vanguard Group, Inc.	BUY	8.84	Ordinary	1,116	1,116
	The Vanguard Group, Inc.	SELL	8.52	Ordinary	(40,258)	(40,258)
12-Jan-23 12-Jan-23	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	8.83 8.83	Ordinary Ordinary	920 920	920 920
16-Sep-22		BUY	8.63	Ordinary	261,251	261,251
16-Sep-22		SELL	8.63	Ordinary	(158,172)	(158,172)
19-Sep-22	Vanguard Investments Australia Ltd.	BUY	8.31	Ordinary	4,180	4,180
20-Sep-22		BUY	8.63	Ordinary	4,185	4,185
20-Sep-22 23-Sep-22	V	BUY	8.63 9.20	Ordinary Ordinary	3,411 6,688	3,411 6,688
	baara mecatinenta nuatialla Etu.		5.20	Journal y	16,720	0,088

2 Sep 27 Unspaged Westerneth Australia Ltd. BUY 9.20 Contravy 9.0551 1. 2 Sep 27 Unspaged Westerneth Australia Ltd. BUY 8.20 Contravy 9.0551 1. 2 Sep 27 Unspaged Westerneth Australia Ltd. BUY 8.20 Contravy 9.0551 1. 2 Sep 27 Unspaged Westerneth Australia Ltd. BUY 8.20 Contravy 9.0551 1. 2 Sep 27 Unspaged Westerneth Australia Ltd. BUY 9.13 Contravy 9.13 Contravy 9.14 Contravy 9.	Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes
27-56-22 Vangauel Westernerich Auszhal List. BUY 8-65 (Ordinary 3-0.01) 28-56-22 Vangauel Westernerich Auszhal List. BUY 8-65 (Ordinary 3-0.01) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-81 (Ordinary 3-0.01) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-81 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-81 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-81 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-81 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-81 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-87 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-87 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-87 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-87 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-87 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-87 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-87 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 9-87 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 10.60 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 10.60 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 10.60 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 10.60 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 10.60 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 10.60 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 10.60 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 10.60 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 10.60 (Ordinary 10.23-66) 28-56-22 Vangauel Westernerich Auszhal List. BUY 10.60 (Ordinary 10.23-66) 28-56-22 Van							9,051
2.5 Sep. 27 Longsand Westernesh Australia Ltd. BUP 8.6.5 Ordinary 3.4.11 2.5 Sep. 27 Longsand Westernesh Australia Ltd. BUP 9.5.12 Ordinary 3.4.56 2.5 Sep. 27 Longsand Westernesh Australia Ltd. BUP 9.5.12 Ordinary 3.5.12 3.6 Sep. 27 Longsand Westernesh Australia Ltd. BUP 9.5.12 Ordinary 9.5.12 Ordinary 10.1,146 3.6 Sep. 27 Longsand Westernesh Australia Ltd. BUP 9.4.1 Ordinary 10.1,146 3.6 Sep. 27 Longsand Westernesh Australia Ltd. BUP 9.4.1 Ordinary 10.1,146 3.6 Sep. 27 Longsand Westernesh Australia Ltd. BUP 9.4.1 Ordinary 7.5 Sep. 1.4 Ordinary 7.5 Sep. 1.4 Ordinary 10.1,146 3.6 Sep. 27 Longsand Westernesh Australia Ltd. BUP 9.4.1 Ordinary 7.5 Sep. 1.4 Ordinary 7.5 Sep. 1.4 Ordinary 9.5 Sep. 1.4 Ordinar							6,822
28-5-9-27 Vergaged Westmernis Australia US. 28-5-9-28 Vergaged Westmernis Australia US. 28-5-9-29 Vergaged Wes							7,506
29-96-12 Vinguard Investments Autralia I.M. Bill 9-18 Ordinary 5,568 19-96-12 Vinguard Investments Autralia I.M. Bill 9-18 Ordinary 12,246 12 Ordinary 12,246 13 Ordinary 13,460 13 Ordinary 13,460 13 Ordinary 13,460 13,460 13,460 14 Ordinary 13,460							3,411 4,548
29-9ep-22 Vinguard Investments Autralia Ltd. SELL 9.01 Ordelany 1,2,266 Cr.							7,506
30-bey- 22 (Proguard Investments Autoritals Life SEU							4,548
3-00-12 Z (Innigered Investments Autorizal Life BUY 9-10 (Indicatury 3-36) 1 (1-2) (Innigered Investments Autorizal Life BUY 9-10 (Indicatury 3-13) 87 (Indicatury 3-14) 87 (Indi		Vanguard Investments Australia Ltd.	SELL	9.01	Ordinary	(23,268)	(23,268)
3-0cts 22 (Inguard Investments Autoritals Ltd. 807 9.7 10 Ordinary 3,389 1.5 1.6 Ordinary 3,389 1.5 1.6 Ordinary 3,389 1.5 1.6 Ordinary 4.6 Ordinary							(18,738)
4-00-02 / Vinguard Investments Autorials Life. BIDY 9-7.0 Ordinary 3,339 5-01-02 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 2,228 11-00-02 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 2,228 11-00-02 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 3,270 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 4,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 4,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 4,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 11-10-01 / Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 12-06 Ord 22 Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 13-06 Ord 22 Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 13-06 Ord 22 Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 13-06 Ord 22 Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,400 13-06 Ord 22 Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,500 13-06 Ord 22 Vinguard Investments Autorials Life. BIDY 10-06 Ordinary 1,500 13-06 Ordinary 1,50							7,362
S-Oct -22 Vanguard westments Australia Life BUY							16,360 3,339
1.00.0022 Vergapard Wintertens Autorials Ltd. BUY 1.00.60 Ordinary 2,2256 1.00.0022 Vergapard Wintertens Autorials Ltd. BUY 1.01.77 Ordinary 4,452 1.00.0022 Vergapard Wintertens Autorials Ltd. BUY 1.01.77 Ordinary 4,452 1.00.0022 Vergapard Wintertens Autorials Ltd. BUY 1.00.00 Vergapard Wintertens Autorials Ltd. BUY 1.00.00 Vergapard Wintertens Autorials Ltd. BUY 1.00.00 Vergapard Wintertens Autorials Ltd. BUY 1.00.01 Ordinary 1.64.00 Vergapard Wintertens Autorials Ltd. BUY 1.00.04 Ordinary 9,054 Vergapard Wintertens Autorials Ltd. BUY 1.00.04 Ordinary 2,2256 Vergapard Wintertens Autorials Ltd. BUY 1.00.04 Ordinary 2,2256 Vergapard Wintertens Autorials Ltd. BUY 1.00.05 Ordinary 4,244 Vergapard Wintertens Autorials Ltd. BUY 1.00.05 Ordinary 4,244 Vergapard Wintertens Autorials Ltd. BUY 9.0.05 Ordinary 4,344 Vergapard Wintertens Autorials Ltd. BUY 9.0.05 Ordinary 4,344 Vergapard Wintertens Autorials Ltd. BUY 9.0.05 Ordinary 1,2465 1.00.05 Vergapard Wintertens Autorials Ltd. BUY 9.0.05 Ordinary 1,2465 1.00.05 Vergapard Wintertens Autorials Ltd. BUY 9.0.05 Ordinary 1,2465 1.00.05 Vergapard Wintertens Autorials Ltd. BUY 9.0.05 Ordinary 1,2465 1.00.05 Vergapard Wintertens Autorials Ltd. BUY 9.0.05 Ordinary 1,2465 1.00.05 Vergapard Wintertens Autorials Ltd. BUY 9.0.05 Ordinary 1,2465 1.00.05 Vergapard Wintertens Autorials Ltd. BUY 9.0.05 Ordinary 1,2465 1.00.05 Vergapard Wintertens Autorials Ltd. BUY 9.0.05 Ordinary 1,2465 1.00							4,908
11-05-022 Vangaued Westmerth Australa LIG. 810° 10-100. Ordinary 4,452 17-05-022 Vangaued Westmerth Australa LIG. 810° 10-100. Ordinary 4,452 17-05-022 Vangaued Westmerth Australa LIG. 810° 10-100. Ordinary 4,100. 10-100. Ordinary 1,100. Ordinary 2,226 Ordinary 1,100. Ordin							2,226
13-05-12 Vanguard Investments Australa ISS 817 10-06 Ordinary 4,452 17-05-12 Vanguard Investments Australa ISS 817 10-18 Ordinary 4,100 18-05-12 Vanguard Investments Australa ISS 817 10-18 Ordinary 10-04 10-18 Ordinary 10-04 18-05-12 Vanguard Investments Australa ISS 817 10-18 Ordinary 10-04 10-18 Ordinary 10-04 10-04 Ordinary 10-05 Ordinary 10							5,719
17-05-12 Vangaurd Westments Australas Ltd. 8UY 10-08 Ordinary 15-04-00 18-05-12 Vangaurd Westments Australas Ltd. 8UV 10-04 Ordinary 15-04-00 18-05-12 Vangaurd Westments Australas Ltd. 8UV 10-04 Ordinary 2-22-8 19-05-12 Vangaurd Westments Australas Ltd. 8UV 10-04 Ordinary 2-22-8 19-05-12 Vangaurd Westments Australas Ltd. 8UV 10-04 Ordinary 2-22-8 19-05-12 Vangaurd Westments Australas Ltd. 8UV 10-05 Ordinary 2-22-8 19-05-12 Vangaurd Westments Australas Ltd. 8UV 10-05 Ordinary 2-22-8 19-05-12 Vangaurd Westments Australas Ltd. 8UV 10-05 Ordinary 9-06-03 19-05							4,452
18-05-22 Vangaurd Investments Australs Ltd. 81/7 10-141 Ordinary 9,054 18-05-22 Vangaurd Investments Australs Ltd. 81/7 10-141 Ordinary 9,054 18-05-22 Vangaurd Investments Australs Ltd. 81/7 10-14 Ordinary 2,226 19-05-22 Vangaurd Investments Australs Ltd. 81/7 10-15 Ordinary 2,226 19-05-22 Vangaurd Investments Australs Ltd. 81/7 10-15 Ordinary 2,226 19-05-22 Vangaurd Investments Australs Ltd. 81/7 10-15 Ordinary 2,226 19-05-22 Vangaurd Investments Australs Ltd. 81/7 10-15 Ordinary 18-15 19-1							4,452
18-00-22 Vangaard investments Australa tud. SUV 10.14 Ordinary 2,226							4,100 16,420
18-00-12 Vangaard investments Australia Ltd. BUV 10-15 Ordinary 2,226							9,054
2-0-01-22 Vanquard investments Australia Ltd. BUV 10.36 Ordinary 18,150 1							2,226
25-06-22 Vangaard investments Australia Ltd. SUV 10.36 Ordinary 9,653 1 25-06-22 Vangaard investments Australia Ltd. SUV 9.52 Ordinary 9,653 1 26-06-22 Vangaard investments Australia Ltd. SUV 9.52 Ordinary 5,555 1 31-07-22 Vangaard investments Australia Ltd. SUV 9.52 Ordinary 5,555 1 31-07-22 Vangaard investments Australia Ltd. SUV 9.53 Ordinary 12,465 1 3-00-22 Vangaard investments Australia Ltd. SUV 9.53 Ordinary 12,465 1 3-00-22 Vangaard investments Australia Ltd. SUV 9.53 Ordinary 12,265 1 3-00-22 Vangaard investments Australia Ltd. SUV 9.54 Ordinary 1,515 1 3-00-22 Vangaard investments Australia Ltd. SUV 9.54 Ordinary 1,515 1 3-00-22 Vangaard investments Australia Ltd. SUV 9.54 Ordinary 1,515 1 3-00-22 Vangaard investments Australia Ltd. SUV 9.54 Ordinary 1,212 1 3-00-22 Vangaard investments Australia Ltd. SUV 8.54 Ordinary 1,212 1 3-00-22 Vangaard investments Australia Ltd. SUV 8.54 Ordinary 1,212 1 1 3-00-22 Vangaard investments Australia Ltd. SUV 8.54 Ordinary 1,212 1 1 1 1 1 1 1 1 1							2,226
25 Oct - 22 Vanguard Investments Australa Ltd.		Vanguard Investments Australia Ltd.			Ordinary		6,446
26-06-22 (Anngauer Investments Australa Ltd. BUY 9.52 (Ordinary 5.565) 31-06-22 (Anngauer Investments Australa Ltd. BUY 9.52 (Ordinary 5.565) 31-06-22 (Anngauer Investments Australa Ltd. BUY 9.53 (Ordinary 12,465) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.41 (Ordinary 15,110 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.41 (Ordinary 15,110 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.41 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.41 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.41 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.41 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.41 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.41 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.41 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.42 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.43 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.43 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.43 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.43 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.47 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.47 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.48 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.48 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.48 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.48 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.49 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.49 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.49 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.49 (Ordinary 2,226) 1 3-Nov-22 (Anngauer Investments Australa Ltd. BUY 9.							18,150
26-06-12 Vangauer Investments Australa Ltd. 8UV 9.53 Ordinary 12,465 1 2-New-22 Vangauer Investments Australa Ltd. 8UV 9.53 Ordinary 15,331 1 3-New-22 Vangauer Investments Australa Ltd. 8UV 9.53 Ordinary 5,331 1 3-New-22 Vangauer Investments Australa Ltd. 8UV 9.41 Ordinary 2,226 1 3-New-22 Vangauer Investments Australa Ltd. 8UV 9.41 Ordinary 2,226 1 9-New-22 Vangauer Investments Australa Ltd. 8UV 9.41 Ordinary 2,226 1 9-New-22 Vangauer Investments Australa Ltd. 8UV 9.66 Ordinary 12,128 1 9-New-22 Vangauer Investments Australa Ltd. 8UV 8.61 Ordinary 12,128 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.61 Ordinary 2,232 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.61 Ordinary 2,232 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.63 Ordinary 2,232 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.63 Ordinary 2,265 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.63 Ordinary 2,266 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.63 Ordinary 2,266 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.71 Ordinary 2,266 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.72 Ordinary 2,266 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.73 Ordinary 1,266 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.74 Ordinary 1,266 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.75 Ordinary 2,266 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.75 Ordinary 2,266 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.75 Ordinary 2,240 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.75 Ordinary 2,240 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.75 Ordinary 2,240 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.75 Ordinary 2,240 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.75 Ordinary 2,240 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 8.75 Ordinary 2,240 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 9.75 Ordinary 1,2465 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 9.75 Ordinary 1,2465 1 18-New-22 Vangauer Investments Australa Ltd. 8UV 9.75 Ordina							9,063
31-05-12 Vanguard Investments Australa Ltd. BUV 9-53 Ordinary 5-381							4,944 5,565
2-Nov-22 Vangaud Investments Australa Ltd. 3-Nov-22 Vangaud Investme							12,465
3-80-022 Vanguard Investments Australia Ltd. 3-80-02-022 Vanguard Investments Australia Ltd. 3-80-02-022 Vanguard Investments Australia Ltd. 3-80-02-02-02-02-02-02-02-02-02-02-02-02-02							5,831
3-8 Nov- 22 Vangaurd mexements Australia Ltd. 9-9 Nov- 22 Vangaurd mexements Australia Ltd. 9-9 Nov- 22 Vangaurd mexements Australia Ltd. 11-1 Nov- 22 Vangaurd mexements Australia Ltd. 12-1 Vangaurd mexemen							15,110
9-Nov-22 Vanguard Investments Australia Ltd. 9-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.61 Ordinary 3,348 11-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.80 Ordinary 2,232 14-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.80 Ordinary 1,680 15-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.83 Ordinary 2,236 16-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.83 Ordinary 2,236 16-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.81 Ordinary 1,236 16-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.87 Ordinary 1,236 17-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.87 Ordinary 1,236 17-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.87 Ordinary 1,236 17-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.81 Ordinary 2,240 12-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.85 Ordinary 2,240 12-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.85 Ordinary 2,240 12-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.85 Ordinary 2,240 12-Nov-22 Vanguard Investments Australia Ltd. 8UV 8.85 Ordinary 2,240 12-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,11 Ordinary 2,240 12-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,11 Ordinary 2,240 12-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,11 Ordinary 2,240 12-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,11 Ordinary 1,2675 1 12-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,12 Ordinary 1,2675 1 12-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,14 Ordinary 1,2675 1 1-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,15 Ordinary 1,2675 1 1-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,16 Ordinary 1,2675 1 1-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,16 Ordinary 1,2675 1 1-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,17 Ordinary 1,2675 1 1-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,18 Ordinary 1,2675 1 1-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,18 Ordinary 1,2675 1 1-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,18 Ordinary 1,2675 1 1-Nov-22 Vanguard Investments Australia Ltd. 8UV 9,18 Ordinary 1,2675 1 1-Nov-22 Vanguar		Vanguard Investments Australia Ltd.			Ordinary	2,226	2,226
11-Nov-22 Vanguard Investments Australia Ltd. BUV							2,226
11-Nov-22 Vanguard Investments Australia Ltd. BUY							12,128 3,348
14-Nov-22 Vanguard Investments Australia Ltd. BUV 8.23 Ordinary 2,236		•					2,232
15-Nov-22 Vanguard Investments Australia Ltd. BUV 8.71 Ordinary 3,030							16,880
16-Nov-22 Vanguard Investments Australia Ltd. BUY 8.71 Ordinary 2,236 17-Nov-22 Vanguard Investments Australia Ltd. BUY 8.16 Ordinary 2,240 27-Nov-22 Vanguard Investments Australia Ltd. BUY 8.16 Ordinary 2,240 27-Nov-22 Vanguard Investments Australia Ltd. BUY 8.45 Ordinary 2,240 27-Nov-22 Vanguard Investments Australia Ltd. BUY 8.45 Ordinary 2,240 27-Nov-22 Vanguard Investments Australia Ltd. BUY 8.45 Ordinary 2,240 27-Nov-22 Vanguard Investments Australia Ltd. BUY 8.45 Ordinary 2,240 27-Nov-22 Vanguard Investments Australia Ltd. BUY 8.45 Ordinary 2,240 27-Nov-22 Vanguard Investments Australia Ltd. BUY 8.46 Ordinary 2,240 27-Nov-22 Vanguard Investments Australia Ltd. BUY 9.11 Ordinary 3,360 27-Nov-22 Vanguard Investments Australia Ltd. BUY 9.43 Ordinary 3,360 27-Nov-22 Vanguard Investments Australia Ltd. BUY 9.26 Ordinary 3,360 30-Nov-22 Vanguard Investments Australia Ltd. BUY 9.26 Ordinary 3,8819] 3, 1-Doc-22 Vanguard Investments Australia Ltd. BUY 9.89 Ordinary 3,8819] 3, 1-Doc-22 Vanguard Investments Australia Ltd. BUY 9.89 Ordinary 6,745 2-Doc-22 Vanguard Investments Australia Ltd. BUY 9.74 Ordinary 6,745 2-Doc-22 Vanguard Investments Australia Ltd. BUY 9.74 Ordinary 2,240 2-Doc-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 2,240 2-Doc-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 2,240 2-Doc-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 2,240 2-Doc-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 2,240 2-Doc-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 2,240 2-Doc-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 2,240 2-Doc-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 2,240 2-Doc-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 3,360 3-Doc-22 Vanguard Investments Australia Ltd.	15-Nov-22						2,236
15-Nov-22 Vanguard Investments Australia Ltd. BUY 8.71 Ordinary 2,240	16-Nov-22	Vanguard Investments Australia Ltd.	BUY	8.71	Ordinary	3,030	3,030
17-Nov-22 Vanguard Investments Australia Ltd. BUY 8.16 Ordinary 2,240							12,120
21-Nov-22 Vanguard Investments Australia Ltd. BUY 8.45 Ordinary 2,240							2,236
21-Nov-22 Vanguard Investments Australia Ltd. BUY							2,240 (25,650)
22-Nov-22 Vanguard Investments Australia Ltd. BUY 9.10 Ordinary 2,240							2,240
22-Nov-22 Vanguard Investments Australia Ltd. BUY 9.11 Ordinary 2,240							2,240
28-Nov-22 Vanguard Investments Australia Ltd. BUY 9.43 Ordinary 12,645 1							2,240
29-Nov-22 Vanguard Investments Australia Ltd. SELL 10.04 Ordinary 12,645 1							12,675
30-Nov-22 Vanguard Investments Australia Ltd. SELL 10.04 Ordinary (138,819) (3							3,360
1-Dec-22 Vanguard Investments Australia Ltd. BUY 9.74 Ordinary 6,745							12,645 (38,819)
2-Dec-22 Vanguard Investments Australia Ltd. BUY 9.74 Ordinary 2,240							11,816
2-Dec-22 Vanguard Investments Australia Ltd. BUY 9.74 Ordinary 2,240							6,745
7-Dec-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 2,240 7-Dec-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 2,240 7-Dec-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 3,360 8-Dec-22 Vanguard Investments Australia Ltd. BUY 9.57 Ordinary 3,360 12-Dec-22 Vanguard Investments Australia Ltd. BUY 9.57 Ordinary 4,480 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,430 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,430 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,430 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,430 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,430 14-Dec-22 Vanguard Investments Australia Ltd. SELL 9.82 Ordinary 8,816 14-Dec-22 Vanguard Investments Australia Ltd. SELL 9.82 Ordinary (24,476) (2 14-Dec-22 Vanguard Investments Australia Ltd. SELL 9.82 Ordinary (24,476) (2 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (4,754) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (7,1538) (7 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (7,1538) (7 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,154) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,154) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,154) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,154) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,154) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,154) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,154) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,154) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,154) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,155) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,155) (1-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (1,155) (1-Dec-							2,240
7-Dec-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 2,240 7-Dec-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 3,360 8-Dec-22 Vanguard Investments Australia Ltd. BUY 9.57 Ordinary 4,480 12-Dec-22 Vanguard Investments Australia Ltd. BUY 9.50 Ordinary 4,480 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.50 Ordinary 12,645 1 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 12,645 1 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,430 1 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,430 1 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,166 1 14-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,166 1 14-Dec-22 Vanguard Investments Australia Ltd. BUY 9.82 Ordinary (24,476) (2 14-Dec-22 Vanguard Investments Australia Ltd. BUY 9.82 Ordinary (24,476) (2 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (27,404) (1 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (17,538) (7 16-Dec-22 Vanguard Investments Australia Ltd. BUY 10.28 Ordinary (17,538) (7 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (17,538) (7 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (15,1422) (15 16-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary (10,061) (1 20-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary (10,061) (1 20-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary (10,061) (1 21-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary (10,061) (1 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10.08 Ordinary (10,061) (1 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10.08 Ordinary (10,061) (1 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10.08 Ordinary (10,061) (1 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10.08 Ordinary (10,061) (1 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10.08 Ordinary (10,061) (1 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.08 Ordinary (1							21,100
7-Dec-22 Vanguard Investments Australia Ltd. BUY 9.70 Ordinary 4,480							2,971
S-Dec-22 Vanguard Investments Australia Ltd. BUY 9.57 Ordinary 4.480							2,240
12-Dec-22 Vanguard Investments Australia Ltd. BUY 9.50 Ordinary 12,645 1 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 12,645 1 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,430 1 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,430 1 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,916 1 14-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary (24,476) (2 14-Dec-22 Vanguard Investments Australia Ltd. BUY 9.82 Ordinary 2,240 1 15-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary 2,240 1 15-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (4,759) (1 15-Dec-22 Vanguard Investments Australia Ltd. BUY 10.28 Ordinary (71,538) (7 16-Dec-22 Vanguard Investments Australia Ltd. BUY 10.28 Ordinary (151,422) (15 15-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (10,061) (1 12-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary (10,061) (1 12-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary (10,061) (1 12-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary (1,061) (1 12-Dec-22 Vanguard Investments Australia Ltd. SELL 10.78 Ordinary (1,052) (1 12-Dec-22 Vanguard Investments Australia Ltd. SELL 10.78 Ordinary (1,052) (1 12-Dec-22 Vanguard Investments Australia Ltd. SELL 10.53 Ordinary (1,052) (1 12-Dec-22 Vanguard Investments Australia Ltd. SELL 10.53 Ordinary (1,052) (1 12-Dec-22 Vanguard Investments Australia Ltd. SELL 10.53 Ordinary (1,051) (1 12-Dec-22 Vanguard Investments Australia Ltd. SELL 10.53 Ordinary (1,052) (1 12-Dec-22 Vanguard Investments Australia Ltd. SELL 10.52 Ordinary (1,052) (1 12-Dec-22 Vanguard Investments Australia Ltd. SELL 10.52 Ordinar							3,360 4,480
13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 12,645 1							8,430
13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,430 13-Dec-22 Vanguard Investments Australia Ltd. BUY 9.59 Ordinary 8,916 14-Dec-22 Vanguard Investments Australia Ltd. BUY 9.82 Ordinary (24,476) (2 14-Dec-22 Vanguard Investments Australia Ltd. BUY 9.82 Ordinary (2,476) (2 14-Dec-22 Vanguard Investments Australia Ltd. BUY 9.82 Ordinary (2,476) (1 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (71,538) (7 16-Dec-22 Vanguard Investments Australia Ltd. BUY 10.28 Ordinary (3,360 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (3,400 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (15,422) (15 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (10,061) (11 20-Dec-22 Vanguard Investments Australia Ltd. BUY 10,32 Ordinary (1,061) (11 20-Dec-22 Vanguard Investments Australia Ltd. BUY 10,32 Ordinary (1,061) (11 21-Dec-22 Vanguard Investments Australia Ltd. SELL 10.78 Ordinary (1,052) (10 21-Dec-22 Vanguard Investments Australia Ltd. SELL 10.78 Ordinary (1,052) (10 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10.53 Ordinary (1,052) (10 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10.53 Ordinary (1,052) (10 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10.53 Ordinary (1,052)							12,645
14-Dec-22 Vanguard Investments Australia Ltd. SELL 9.82 Ordinary (24,476) (2					Ordinary		8,430
14-Dec-22 Vanguard Investments Australia Ltd. BUY 9.82 Ordinary 2,240							8,916
16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (4,754) (16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (71,538) (7 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (15,1422) (15 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (15,1422) (15 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (10,061) (11 20-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary (10,061) (11 20-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary (10,061) (12 20-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary (1,052) (10 21-Dec-22 Vanguard Investments Australia Ltd. SELL 10.78 Ordinary (1,052) (10 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10.53 Ordinary (14,616) (11 22-Dec-22 Vanguard Investments Australia Ltd. BUY 10.53 Ordinary (14,616) (12 22-Dec-22 Vanguard Investments Australia Ltd. BUY 10.53 Ordinary (14,061) (12 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.53 Ordinary (14,061) (12 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.52 Ordinary (14,061) (12 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.52 Ordinary (14,061) (12 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.52 Ordinary (14,061) (14 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.52 Ordinary (14,061) (14 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.52 Ordinary (14,061) (14 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.52 Ordinary (14,061) (14 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.52 Ordinary (14,061) (14 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.52 Ordinary (15,061) (15 23-Dec-22 Vanguard Investments Australia Ltd. SELL 10.54 Ordinary (15,061) (15 25 25							(24,476)
16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (71,538) (7 16-Dec-22 Vanguard Investments Australia Ltd. BUV 10.28 Ordinary 3,360 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (151,422) (15 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (10,061) (11 20-Dec-22 Vanguard Investments Australia Ltd. BUV 10,32 Ordinary 8,150 21-Dec-22 Vanguard Investments Australia Ltd. BUV 10,32 Ordinary 2,104 21-Dec-22 Vanguard Investments Australia Ltd. SELL 10.78 Ordinary (1,052)							2,240 (4,754)
16-Dec-22 Vanguard Investments Australia Ltd. BUY 10.28 Ordinary 3,360 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (151,422) (15 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (10,061) (1 20-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary 8,150 (10,061) (1 20-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary 2,104 (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,52) (10,53) (10							(71,538)
16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (151,422) (15 16-Dec-22 Vanguard Investments Australia Ltd. SELL 10.28 Ordinary (10,061) (11 20-Dec-22 Vanguard Investments Australia Ltd. BUV 10.32 Ordinary 8,150 (10,061) (11 21-Dec-22 Vanguard Investments Australia Ltd. BUV 10.32 Ordinary 2,104 (10,061) (12 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10,78 Ordinary (1,052) (10,061) (12 22-Dec-22 Vanguard Investments Australia Ltd. SELL 10,53 Ordinary (14,616) (12 22-Dec-22 Vanguard Investments Australia Ltd. BUV 10,53 Ordinary 8,901 (14,616) (12 22-Dec-22 Vanguard Investments Australia Ltd. BUV 10,53 Ordinary 2,104 (14,616) (14,616) (15,616) (15,616) (16,616) (1					Ordinary	3,360	3,360
20-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary 2,104							(151,422)
20-Dec-22 Vanguard Investments Australia Ltd. BUY 10.32 Ordinary 2,104							(10,061)
21-Dec-22 Vanguard investments Australia Ltd. SELL 10.78 Ordinary (1,052) (1,052) (1,052) (2.2-Dec-22 Vanguard investments Australia Ltd. SELL 10.53 Ordinary (1,616) (1,052) (1,052) (2.2-Dec-22 Vanguard investments Australia Ltd. BUV 10.53 Ordinary (1,052) (1,053) (1,054) (1,053) (1,							8,150
22-Dec-22 Vanguard investments Australia Ltd. SELL 10.53 Ordinary (14,616) (1 22-Dec-22 Vanguard investments Australia Ltd. BUV 10.53 Ordinary 8,901 22-Dec-22 Vanguard investments Australia Ltd. BUV 10.53 Ordinary 2,104 23-Dec-22 Vanguard investments Australia Ltd. SELL 10.52 Ordinary (9,720) (1 23-Dec-22 Vanguard investments Australia Ltd. BUV 10.52 Ordinary 2,104 23-Dec-22 Vanguard investments Australia Ltd. BUV 10.52 Ordinary 2,104 23-Dec-22 Vanguard investments Australia Ltd. BUV 10.50 Ordinary 2,104 28-Dec-22 Vanguard investments Australia Ltd. BUV 9,76 Ordinary (28,420) (2 28-Dec-22 Vanguard investments Australia Ltd. BUV 9,76 Ordinary 1,052 29-Dec-22 Vanguard investments Australia Ltd. BUV 9,28 Ordinary 2,106 30-Dec-22 Vanguard investments Australia Ltd. SELL 9,42 Ordinary (30,196) 3 30-Dec-22 Vanguard investments Australia Ltd. SELL 9,42 Ordinary (20,715) (2 3-Jan-23 Vanguard investments Australia Ltd. BUV 8.83 Ordinary 20,225 2 3-Jan-23 Vanguard investments Australia Ltd. BUV 8.83 Ordinary 3,120 3-Jan-23 Vanguard investments Australia Ltd. BUV 8.83 Ordinary 2,080							2,104 (1,052)
22-Dec-22 Vanguard Investments Australia Ltd. BUY 10.53 Ordinary 8,901							(14,616)
22-Dec-22 Vanguard Investments Australia Ltd. BUY 10.53 Ordinary 2,104							8,901
23-Dec-22 Vanguard Investments Australia Ltd. BUY 10.52 Ordinary 2,104		Vanguard Investments Australia Ltd.	BUY			2,104	2,104
23-Dec-22 Vanguard investments Australia Ltd. BUY 10.52 Ordinary 2,104							(9,720)
28-Dec-22 Vanguard Investments Australia Ltd. SELL 9.76 Ordinary (28,420) (2 28-Dec-22 Vanguard Investments Australia Ltd. BUY 9.76 Ordinary 1,052 29-Dec-22 Vanguard Investments Australia Ltd. BUY 9.28 Ordinary 2,106 30-Dec-22 Vanguard Investments Australia Ltd. SELL 9.42 Ordinary (30,196) (3 30-Dec-22 Vanguard Investments Australia Ltd. SELL 9.42 Ordinary (20,715) (2 3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 3,120 3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 3,20 3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 3,20							2,104
28-Dec-22 Vanguard investments Australia Ltd. BUY 9.76 Ordinary 1,052 29-Dec-22 Vanguard investments Australia Ltd. BUY 9.28 Ordinary 2,106 30-Dec-22 Vanguard investments Australia Ltd. SELL 9.42 Ordinary (30,196) (3 30-Dec-22 Vanguard investments Australia Ltd. SELL 9.42 Ordinary (20,715) (2 3-Jan-23 Vanguard investments Australia Ltd. BUY 8.83 Ordinary 20,225 2 3-Jan-23 Vanguard investments Australia Ltd. BUY 8.83 Ordinary 3,120 3-Jan-23 Vanguard investments Australia Ltd. BUY 8.83 Ordinary 2,080							2,104
29-Dec-22 Vanguard Investments Australia Ltd. BUY 9.28 Ordinary 2,106 30-Dec-22 Vanguard Investments Australia Ltd. SELL 9.42 Ordinary (30,196) (3 30-Dec-22 Vanguard Investments Australia Ltd. SELL 9.42 Ordinary (20,715) (2 3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 20,225 2 3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 3,120 3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 2,080							(28,420) 1,052
30-Dec-22 Vanguard Investments Australia Ltd. SELL 9.42 Ordinary (30,196) (3 30-Dec-22 Vanguard Investments Australia Ltd. SELL 9.42 Ordinary (20,715) (2 3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 20,225 2 3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 3,120 3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 2,080							2,106
30-Dec-22 Vanguard Investments Australia Ltd. SELL 9.42 Ordinary (20,715) (2							(30,196
3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 3,120 3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 2,080	30-Dec-22	Vanguard Investments Australia Ltd.	SELL	9.42	Ordinary	(20,715)	(20,715)
3-Jan-23 Vanguard Investments Australia Ltd. BUY 8.83 Ordinary 2,080							20,225
		•					3,120
							2,080
							3,120 (12,330)

This is Annexure A of 3 pages referred to in Form 603, Notice of initial substantial holder. Signature:
Name: Shawn Acker
Capacity: Compliance Manager
Date: 18 January 2023