

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**

To Company Name/Scheme Macquarie Group Limited

ACN/ARSN 122 169 279

1. Details of substantial holder (1)

Name Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those listed in Annexure A)

ACN/ARSN (if applicable) N/A

The holder became a substantial holder on 16 June 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	19,483,841	19,483,841	5.041%
Note: Vanguard also holds 11,979 shares of Macquarie Group Limited ADR			

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 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.	Ordinary – 19,483,841

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 accounts of Vanguard Group	Ordinary – 1,198,118
Vanguard Group	BNY Mellon	Various funds and accounts of Vanguard Group	Ordinary – 1,366,069
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and accounts of Vanguard Group	Ordinary – 13,619,838
Vanguard Group	State Street Bank and Trust Company	Various funds and accounts of Vanguard Group	Ordinary – 3,299,816

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			

6. Associates

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

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

7. Addresses

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

Name	Address
Vanguard Group	P.O. Box 2600, V26 Valley Forge, PA 19482 USA

print name Shawn Acker capacity Compliance Manager

sign here  date 22 June 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 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.

To Company	Macquarie Group Limited
ACN/ARSN	122 169 279
Substantial Holder Name	Vanguard Group
ACN/ARSN	N/A

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 affected
17-Feb-2023	The Vanguard Group, Inc.	BUY	189.03	Ordinary	788	788
17-Feb-2023	The Vanguard Group, Inc.	BUY	189.03	Ordinary	394	394
17-Feb-2023	The Vanguard Group, Inc.	BUY	190.35	Ordinary	3,241	3,241
20-Feb-2023	The Vanguard Group, Inc.	BUY	190.73	Ordinary	290	290
20-Feb-2023	The Vanguard Group, Inc.	BUY	190.78	Ordinary	464	464
21-Feb-2023	The Vanguard Group, Inc.	BUY	188.52	Ordinary	788	788
21-Feb-2023	The Vanguard Group, Inc.	BUY	188.52	Ordinary	2,268	2,268
21-Feb-2023	The Vanguard Group, Inc.	BUY	190.39	Ordinary	308	308
21-Feb-2023	The Vanguard Group, Inc.	BUY	190.39	Ordinary	308	308
21-Feb-2023	The Vanguard Group, Inc.	BUY	190.39	Ordinary	43	43
22-Feb-2023	The Vanguard Group, Inc.	BUY	189.78	Ordinary	591	591
22-Feb-2023	The Vanguard Group, Inc.	BUY	190.29	Ordinary	176	176
23-Feb-2023	The Vanguard Group, Inc.	BUY	188.84	Ordinary	332	332
23-Feb-2023	The Vanguard Group, Inc.	BUY	189.05	Ordinary	924	924
24-Feb-2023	The Vanguard Group, Inc.	BUY	188.91	Ordinary	142	142
24-Feb-2023	The Vanguard Group, Inc.	BUY	188.91	Ordinary	135	135
27-Feb-2023	The Vanguard Group, Inc.	SELL	188.45	Ordinary	(53)	(53)
27-Feb-2023	The Vanguard Group, Inc.	BUY	189.21	Ordinary	924	924
27-Feb-2023	The Vanguard Group, Inc.	BUY	189.21	Ordinary	2,268	2,268
28-Feb-2023	The Vanguard Group, Inc.	BUY	189.52	Ordinary	55	55
28-Feb-2023	The Vanguard Group, Inc.	BUY	189.52	Ordinary	941	941
28-Feb-2023	The Vanguard Group, Inc.	BUY	189.52	Ordinary	1,281	1,281
28-Feb-2023	The Vanguard Group, Inc.	BUY	189.52	Ordinary	1,783	1,783
1-Mar-2023	The Vanguard Group, Inc.	BUY	188.48	Ordinary	6,828	6,828
1-Mar-2023	The Vanguard Group, Inc.	BUY	188.60	Ordinary	591	591
1-Mar-2023	The Vanguard Group, Inc.	BUY	188.60	Ordinary	2,464	2,464
1-Mar-2023	The Vanguard Group, Inc.	BUY	188.60	Ordinary	1,890	1,890
1-Mar-2023	The Vanguard Group, Inc.	BUY	188.60	Ordinary	3,780	3,780
1-Mar-2023	The Vanguard Group, Inc.	BUY	188.90	Ordinary	135	135
2-Mar-2023	The Vanguard Group, Inc.	BUY	184.86	Ordinary	2,324	2,324
2-Mar-2023	The Vanguard Group, Inc.	BUY	184.86	Ordinary	3,190	3,190
2-Mar-2023	The Vanguard Group, Inc.	BUY	184.86	Ordinary	580	580
2-Mar-2023	The Vanguard Group, Inc.	BUY	184.86	Ordinary	6,670	6,670
3-Mar-2023	The Vanguard Group, Inc.	BUY	185.47	Ordinary	33	33
3-Mar-2023	The Vanguard Group, Inc.	BUY	185.47	Ordinary	1,266	1,266
3-Mar-2023	The Vanguard Group, Inc.	BUY	185.47	Ordinary	88	88
3-Mar-2023	The Vanguard Group, Inc.	BUY	187.70	Ordinary	788	788
6-Mar-2023	The Vanguard Group, Inc.	BUY	189.99	Ordinary	290	290
7-Mar-2023	The Vanguard Group, Inc.	BUY	193.00	Ordinary	135	135
7-Mar-2023	The Vanguard Group, Inc.	BUY	193.00	Ordinary	927	927
8-Mar-2023	The Vanguard Group, Inc.	BUY	191.48	Ordinary	1,512	1,512
8-Mar-2023	The Vanguard Group, Inc.	BUY	192.25	Ordinary	291	291
9-Mar-2023	The Vanguard Group, Inc.	BUY	190.78	Ordinary	7,840	7,840
10-Mar-2023	The Vanguard Group, Inc.	BUY	183.49	Ordinary	394	394
10-Mar-2023	The Vanguard Group, Inc.	SELL	183.49	Ordinary	(4,912)	(4,912)
13-Mar-2023	The Vanguard Group, Inc.	SELL	178.15	Ordinary	(1,842)	(1,842)
13-Mar-2023	The Vanguard Group, Inc.	BUY	182.13	Ordinary	180	180
13-Mar-2023	The Vanguard Group, Inc.	BUY	182.13	Ordinary	315	315
14-Mar-2023	The Vanguard Group, Inc.	BUY	176.53	Ordinary	315	315
15-Mar-2023	The Vanguard Group, Inc.	SELL	175.34	Ordinary	(1,220)	(1,220)
15-Mar-2023	The Vanguard Group, Inc.	SELL	175.34	Ordinary	(915)	(915)
15-Mar-2023	The Vanguard Group, Inc.	SELL	175.34	Ordinary	(651)	(651)
15-Mar-2023	The Vanguard Group, Inc.	BUY	178.10	Ordinary	144	144
15-Mar-2023	The Vanguard Group, Inc.	BUY	178.10	Ordinary	49	49
16-Mar-2023	The Vanguard Group, Inc.	BUY	175.13	Ordinary	360	360
17-Mar-2023	The Vanguard Group, Inc.	BUY	175.79	Ordinary	30	30
17-Mar-2023	The Vanguard Group, Inc.	BUY	175.79	Ordinary	3,267	3,267
17-Mar-2023	The Vanguard Group, Inc.	SELL	175.79	Ordinary	(3,193)	(3,193)
17-Mar-2023	The Vanguard Group, Inc.	SELL	175.79	Ordinary	(3,039)	(3,039)
17-Mar-2023	The Vanguard Group, Inc.	BUY	175.79	Ordinary	8,213	8,213
17-Mar-2023	The Vanguard Group, Inc.	SELL	175.79	Ordinary	(21)	(21)
17-Mar-2023	The Vanguard Group, Inc.	SELL	175.79	Ordinary	(1,712)	(1,712)
20-Mar-2023	The Vanguard Group, Inc.	BUY	167.78	Ordinary	246	246
20-Mar-2023	The Vanguard Group, Inc.	BUY	167.78	Ordinary	48	48
20-Mar-2023	The Vanguard Group, Inc.	BUY	173.17	Ordinary	2,146	2,146
20-Mar-2023	The Vanguard Group, Inc.	BUY	173.17	Ordinary	61	61
21-Mar-2023	The Vanguard Group, Inc.	BUY	170.17	Ordinary	5,520	5,520
22-Mar-2023	The Vanguard Group, Inc.	BUY	174.10	Ordinary	480	480
22-Mar-2023	The Vanguard Group, Inc.	SELL	174.10	Ordinary	(166)	(166)
22-Mar-2023	The Vanguard Group, Inc.	BUY	176.44	Ordinary	3,818	3,818

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 affected
24-Mar-2023	The Vanguard Group, Inc.	SELL	168.80	Ordinary	(3,537)	(3,537)
24-Mar-2023	The Vanguard Group, Inc.	BUY	169.32	Ordinary	4,843	4,843
24-Mar-2023	The Vanguard Group, Inc.	BUY	169.60	Ordinary	72	72
27-Mar-2023	The Vanguard Group, Inc.	SELL	167.00	Ordinary	(4,895)	(4,895)
27-Mar-2023	The Vanguard Group, Inc.	BUY	167.73	Ordinary	237	237
27-Mar-2023	The Vanguard Group, Inc.	BUY	167.73	Ordinary	388	388
28-Mar-2023	The Vanguard Group, Inc.	BUY	169.32	Ordinary	502	502
28-Mar-2023	The Vanguard Group, Inc.	BUY	170.39	Ordinary	73	73
28-Mar-2023	The Vanguard Group, Inc.	BUY	170.39	Ordinary	302	302
29-Mar-2023	The Vanguard Group, Inc.	BUY	169.76	Ordinary	24	24
29-Mar-2023	The Vanguard Group, Inc.	BUY	169.76	Ordinary	2,386	2,386
29-Mar-2023	The Vanguard Group, Inc.	BUY	169.76	Ordinary	38	38
29-Mar-2023	The Vanguard Group, Inc.	BUY	169.76	Ordinary	5,968	5,968
29-Mar-2023	The Vanguard Group, Inc.	BUY	169.76	Ordinary	728	728
29-Mar-2023	The Vanguard Group, Inc.	SELL	171.26	Ordinary	(3,050)	(3,050)
30-Mar-2023	The Vanguard Group, Inc.	BUY	171.51	Ordinary	3,600	3,600
30-Mar-2023	The Vanguard Group, Inc.	BUY	171.77	Ordinary	62	62
31-Mar-2023	The Vanguard Group, Inc.	BUY	175.66	Ordinary	225	225
31-Mar-2023	The Vanguard Group, Inc.	SELL	175.66	Ordinary	(69)	(69)
31-Mar-2023	The Vanguard Group, Inc.	SELL	177.13	Ordinary	(1,592)	(1,592)
3-Apr-2023	The Vanguard Group, Inc.	BUY	176.89	Ordinary	1,736	1,736
4-Apr-2023	The Vanguard Group, Inc.	BUY	179.06	Ordinary	158	158
4-Apr-2023	The Vanguard Group, Inc.	BUY	179.46	Ordinary	72	72
5-Apr-2023	The Vanguard Group, Inc.	BUY	178.17	Ordinary	76	76
5-Apr-2023	The Vanguard Group, Inc.	BUY	178.18	Ordinary	1,220	1,220
5-Apr-2023	The Vanguard Group, Inc.	BUY	178.18	Ordinary	1,104	1,104
6-Apr-2023	The Vanguard Group, Inc.	BUY	176.95	Ordinary	102	102
6-Apr-2023	The Vanguard Group, Inc.	BUY	176.95	Ordinary	1,145	1,145
11-Apr-2023	The Vanguard Group, Inc.	BUY	179.04	Ordinary	4,643	4,643
11-Apr-2023	The Vanguard Group, Inc.	BUY	179.04	Ordinary	8,117	8,117
11-Apr-2023	The Vanguard Group, Inc.	BUY	179.64	Ordinary	582	582
12-Apr-2023	The Vanguard Group, Inc.	BUY	179.40	Ordinary	1,870	1,870
12-Apr-2023	The Vanguard Group, Inc.	BUY	179.40	Ordinary	966	966
12-Apr-2023	The Vanguard Group, Inc.	BUY	179.54	Ordinary	7,294	7,294
12-Apr-2023	The Vanguard Group, Inc.	BUY	179.54	Ordinary	4,320	4,320
12-Apr-2023	The Vanguard Group, Inc.	BUY	179.60	Ordinary	72	72
12-Apr-2023	The Vanguard Group, Inc.	BUY	179.60	Ordinary	72	72
13-Apr-2023	The Vanguard Group, Inc.	BUY	178.82	Ordinary	322	322
13-Apr-2023	The Vanguard Group, Inc.	BUY	178.82	Ordinary	98	98
13-Apr-2023	The Vanguard Group, Inc.	BUY	179.37	Ordinary	828	828
14-Apr-2023	The Vanguard Group, Inc.	BUY	179.36	Ordinary	3,123	3,123
14-Apr-2023	The Vanguard Group, Inc.	BUY	180.02	Ordinary	225	225
14-Apr-2023	The Vanguard Group, Inc.	BUY	180.02	Ordinary	135	135
14-Apr-2023	The Vanguard Group, Inc.	SELL	180.34	Ordinary	(616)	(616)
17-Apr-2023	The Vanguard Group, Inc.	BUY	180.19	Ordinary	966	966
17-Apr-2023	The Vanguard Group, Inc.	BUY	180.65	Ordinary	578	578
17-Apr-2023	The Vanguard Group, Inc.	BUY	180.65	Ordinary	166	166
17-Apr-2023	The Vanguard Group, Inc.	SELL	180.65	Ordinary	(1,504)	(1,504)
17-Apr-2023	The Vanguard Group, Inc.	BUY	181.13	Ordinary	7,508	7,508
18-Apr-2023	The Vanguard Group, Inc.	BUY	180.24	Ordinary	73	73
18-Apr-2023	The Vanguard Group, Inc.	BUY	180.24	Ordinary	1,422	1,422
18-Apr-2023	The Vanguard Group, Inc.	BUY	180.36	Ordinary	970	970
19-Apr-2023	The Vanguard Group, Inc.	BUY	180.29	Ordinary	39	39
19-Apr-2023	The Vanguard Group, Inc.	BUY	180.30	Ordinary	690	690
20-Apr-2023	The Vanguard Group, Inc.	BUY	180.70	Ordinary	4,268	4,268
20-Apr-2023	The Vanguard Group, Inc.	BUY	181.63	Ordinary	249	249
21-Apr-2023	The Vanguard Group, Inc.	BUY	181.00	Ordinary	1,092	1,092
21-Apr-2023	The Vanguard Group, Inc.	BUY	183.08	Ordinary	180	180
21-Apr-2023	The Vanguard Group, Inc.	BUY	183.08	Ordinary	580	580
21-Apr-2023	The Vanguard Group, Inc.	BUY	183.08	Ordinary	17,460	17,460
24-Apr-2023	The Vanguard Group, Inc.	BUY	181.45	Ordinary	73	73
24-Apr-2023	The Vanguard Group, Inc.	BUY	182.35	Ordinary	1,122	1,122
25-Apr-2023	The Vanguard Group, Inc.	BUY	180.59	Ordinary	582	582
26-Apr-2023	The Vanguard Group, Inc.	BUY	180.37	Ordinary	388	388
26-Apr-2023	The Vanguard Group, Inc.	BUY	181.25	Ordinary	73	73
26-Apr-2023	The Vanguard Group, Inc.	BUY	181.25	Ordinary	138	138
26-Apr-2023	The Vanguard Group, Inc.	BUY	181.34	Ordinary	1,931	1,931
27-Apr-2023	The Vanguard Group, Inc.	BUY	180.44	Ordinary	513	513
27-Apr-2023	The Vanguard Group, Inc.	BUY	180.71	Ordinary	146	146
27-Apr-2023	The Vanguard Group, Inc.	BUY	180.71	Ordinary	664	664
27-Apr-2023	The Vanguard Group, Inc.	BUY	180.71	Ordinary	249	249
28-Apr-2023	The Vanguard Group, Inc.	BUY	182.35	Ordinary	6,430	6,430
28-Apr-2023	The Vanguard Group, Inc.	BUY	182.35	Ordinary	3,661	3,661
1-May-2023	The Vanguard Group, Inc.	BUY	183.80	Ordinary	539	539
2-May-2023	The Vanguard Group, Inc.	BUY	179.95	Ordinary	5,236	5,236
2-May-2023	The Vanguard Group, Inc.	SELL	179.95	Ordinary	(1,200)	(1,200)
2-May-2023	The Vanguard Group, Inc.	BUY	181.76	Ordinary	7,706	7,706

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 affected
2-May-2023	The Vanguard Group, Inc.	BUY	181.76	Ordinary	454	454
3-May-2023	The Vanguard Group, Inc.	BUY	177.96	Ordinary	1,875	1,875
3-May-2023	The Vanguard Group, Inc.	BUY	179.10	Ordinary	4,005	4,005
3-May-2023	The Vanguard Group, Inc.	BUY	179.10	Ordinary	146	146
3-May-2023	The Vanguard Group, Inc.	BUY	179.10	Ordinary	506	506
3-May-2023	The Vanguard Group, Inc.	BUY	179.10	Ordinary	4,321	4,321
4-May-2023	The Vanguard Group, Inc.	BUY	175.45	Ordinary	7,831	7,831
4-May-2023	The Vanguard Group, Inc.	BUY	176.58	Ordinary	388	388
4-May-2023	The Vanguard Group, Inc.	BUY	177.74	Ordinary	249	249
5-May-2023	The Vanguard Group, Inc.	BUY	177.35	Ordinary	146	146
5-May-2023	The Vanguard Group, Inc.	BUY	178.43	Ordinary	3,221	3,221
8-May-2023	The Vanguard Group, Inc.	BUY	173.36	Ordinary	2,262	2,262
8-May-2023	The Vanguard Group, Inc.	BUY	176.34	Ordinary	6,508	6,508
9-May-2023	The Vanguard Group, Inc.	BUY	173.85	Ordinary	10,994	10,994
9-May-2023	The Vanguard Group, Inc.	BUY	173.85	Ordinary	2,440	2,440
9-May-2023	The Vanguard Group, Inc.	BUY	176.80	Ordinary	616	616
9-May-2023	The Vanguard Group, Inc.	BUY	177.43	Ordinary	73	73
9-May-2023	The Vanguard Group, Inc.	BUY	177.43	Ordinary	225	225
9-May-2023	The Vanguard Group, Inc.	BUY	177.43	Ordinary	166	166
9-May-2023	The Vanguard Group, Inc.	BUY	177.43	Ordinary	54	54
10-May-2023	The Vanguard Group, Inc.	BUY	177.33	Ordinary	520	520
10-May-2023	The Vanguard Group, Inc.	BUY	177.48	Ordinary	30	30
10-May-2023	The Vanguard Group, Inc.	BUY	177.48	Ordinary	3,925	3,925
10-May-2023	The Vanguard Group, Inc.	BUY	177.48	Ordinary	91	91
10-May-2023	The Vanguard Group, Inc.	BUY	177.48	Ordinary	4,569	4,569
12-May-2023	The Vanguard Group, Inc.	BUY	179.08	Ordinary	302	302
12-May-2023	The Vanguard Group, Inc.	BUY	179.17	Ordinary	2,504	2,504
12-May-2023	The Vanguard Group, Inc.	BUY	179.58	Ordinary	1,885	1,885
12-May-2023	The Vanguard Group, Inc.	BUY	179.58	Ordinary	1,560	1,560
12-May-2023	The Vanguard Group, Inc.	BUY	179.58	Ordinary	1,035	1,035
15-May-2023	The Vanguard Group, Inc.	BUY	174.84	Ordinary	225	225
15-May-2023	The Vanguard Group, Inc.	BUY	174.94	Ordinary	650	650
15-May-2023	The Vanguard Group, Inc.	BUY	174.94	Ordinary	690	690
16-May-2023	The Vanguard Group, Inc.	BUY	173.20	Ordinary	1,725	1,725
16-May-2023	The Vanguard Group, Inc.	BUY	175.08	Ordinary	3,609	3,609
16-May-2023	The Vanguard Group, Inc.	BUY	175.08	Ordinary	4,844	4,844
17-May-2023	The Vanguard Group, Inc.	BUY	172.14	Ordinary	276	276
17-May-2023	The Vanguard Group, Inc.	BUY	172.14	Ordinary	49	49
17-May-2023	The Vanguard Group, Inc.	BUY	173.57	Ordinary	690	690
17-May-2023	The Vanguard Group, Inc.	BUY	173.57	Ordinary	1,885	1,885
19-May-2023	The Vanguard Group, Inc.	BUY	176.51	Ordinary	249	249
19-May-2023	The Vanguard Group, Inc.	BUY	176.51	Ordinary	1,501	1,501
22-May-2023	The Vanguard Group, Inc.	BUY	176.80	Ordinary	390	390
23-May-2023	The Vanguard Group, Inc.	BUY	179.20	Ordinary	2,262	2,262
23-May-2023	The Vanguard Group, Inc.	BUY	179.20	Ordinary	759	759
23-May-2023	The Vanguard Group, Inc.	BUY	179.20	Ordinary	520	520
23-May-2023	The Vanguard Group, Inc.	BUY	179.20	Ordinary	388	388
24-May-2023	The Vanguard Group, Inc.	BUY	176.31	Ordinary	828	828
24-May-2023	The Vanguard Group, Inc.	BUY	176.31	Ordinary	520	520
24-May-2023	The Vanguard Group, Inc.	BUY	176.31	Ordinary	388	388
24-May-2023	The Vanguard Group, Inc.	BUY	177.44	Ordinary	336	336
24-May-2023	The Vanguard Group, Inc.	BUY	179.66	Ordinary	628	628
26-May-2023	The Vanguard Group, Inc.	BUY	174.00	Ordinary	249	249
26-May-2023	The Vanguard Group, Inc.	BUY	176.37	Ordinary	1,885	1,885
31-May-2023	The Vanguard Group, Inc.	SELL	170.52	Ordinary	(8,515)	(8,515)
31-May-2023	The Vanguard Group, Inc.	BUY	170.74	Ordinary	13,951	13,951
31-May-2023	The Vanguard Group, Inc.	BUY	170.74	Ordinary	263	263
31-May-2023	The Vanguard Group, Inc.	BUY	170.74	Ordinary	1,737	1,737
31-May-2023	The Vanguard Group, Inc.	BUY	170.74	Ordinary	34	34
31-May-2023	The Vanguard Group, Inc.	BUY	174.09	Ordinary	12,158	12,158
1-Jun-2023	The Vanguard Group, Inc.	BUY	170.26	Ordinary	4,814	4,814
1-Jun-2023	The Vanguard Group, Inc.	BUY	170.49	Ordinary	135	135
1-Jun-2023	The Vanguard Group, Inc.	BUY	171.66	Ordinary	388	388
2-Jun-2023	The Vanguard Group, Inc.	BUY	170.95	Ordinary	4,487	4,487
2-Jun-2023	The Vanguard Group, Inc.	BUY	170.95	Ordinary	5,991	5,991
2-Jun-2023	The Vanguard Group, Inc.	BUY	171.00	Ordinary	43	43
2-Jun-2023	The Vanguard Group, Inc.	BUY	171.00	Ordinary	460	460
2-Jun-2023	The Vanguard Group, Inc.	BUY	171.00	Ordinary	624	624
5-Jun-2023	The Vanguard Group, Inc.	BUY	172.77	Ordinary	776	776
6-Jun-2023	The Vanguard Group, Inc.	BUY	171.27	Ordinary	2,123	2,123
7-Jun-2023	The Vanguard Group, Inc.	BUY	172.24	Ordinary	146	146
7-Jun-2023	The Vanguard Group, Inc.	BUY	172.24	Ordinary	51	51
8-Jun-2023	The Vanguard Group, Inc.	BUY	170.66	Ordinary	2,117	2,117
8-Jun-2023	The Vanguard Group, Inc.	BUY	170.66	Ordinary	415	415
9-Jun-2023	The Vanguard Group, Inc.	BUY	171.21	Ordinary	4,823	4,823
9-Jun-2023	The Vanguard Group, Inc.	BUY	172.10	Ordinary	644	644
13-Jun-2023	The Vanguard Group, Inc.	BUY	173.45	Ordinary	34	34

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 affected
13-Jun-2023	The Vanguard Group, Inc.	BUY	175.66	Ordinary	360	360
13-Jun-2023	The Vanguard Group, Inc.	BUY	175.66	Ordinary	858	858
13-Jun-2023	The Vanguard Group, Inc.	BUY	175.66	Ordinary	166	166
14-Jun-2023	The Vanguard Group, Inc.	BUY	178.05	Ordinary	174	174
15-Jun-2023	The Vanguard Group, Inc.	BUY	183.25	Ordinary	388	388
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.40	Ordinary	75	75
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.40	Ordinary	1,192	1,192
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	163	163
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	158	158
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	1,746	1,746
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	705	705
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	30	30
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	6,293	6,293
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	329	329
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	3,223	3,223
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	5,618	5,618
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	3,054	3,054
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	635	635
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	132,579	132,579
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	134,665	134,665
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	77,341	77,341
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	16,938	16,938
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	1,933	1,933
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	11,911	11,911
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	6,809	6,809
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	9,451	9,451
16-Jun-2023	The Vanguard Group, Inc.	BUY	184.45	Ordinary	286	286
20-Feb-2023	Vanguard Investments Australia Ltd.	BUY	190.73	Ordinary	1,065	1,065
20-Feb-2023	Vanguard Investments Australia Ltd.	BUY	190.73	Ordinary	409	409
21-Feb-2023	Vanguard Investments Australia Ltd.	BUY	190.39	Ordinary	4,395	4,395
21-Feb-2023	Vanguard Investments Australia Ltd.	SELL	190.39	Ordinary	(17,580)	(17,580)
22-Feb-2023	Vanguard Investments Australia Ltd.	BUY	190.29	Ordinary	2,930	2,930
22-Feb-2023	Vanguard Investments Australia Ltd.	BUY	190.29	Ordinary	1,068	1,068
23-Feb-2023	Vanguard Investments Australia Ltd.	BUY	188.84	Ordinary	1,424	1,424
23-Feb-2023	Vanguard Investments Australia Ltd.	SELL	188.84	Ordinary	(410)	(410)
24-Feb-2023	Vanguard Investments Australia Ltd.	BUY	188.91	Ordinary	410	410
24-Feb-2023	Vanguard Investments Australia Ltd.	BUY	188.91	Ordinary	410	410
27-Feb-2023	Vanguard Investments Australia Ltd.	BUY	188.45	Ordinary	1,071	1,071
28-Feb-2023	Vanguard Investments Australia Ltd.	BUY	189.52	Ordinary	1,071	1,071
28-Feb-2023	Vanguard Investments Australia Ltd.	BUY	189.52	Ordinary	146	146
1-Mar-2023	Vanguard Investments Australia Ltd.	BUY	188.90	Ordinary	642	642
1-Mar-2023	Vanguard Investments Australia Ltd.	BUY	188.90	Ordinary	4,410	4,410
1-Mar-2023	Vanguard Investments Australia Ltd.	SELL	188.90	Ordinary	(5,292)	(5,292)
2-Mar-2023	Vanguard Investments Australia Ltd.	BUY	184.86	Ordinary	1,074	1,074
2-Mar-2023	Vanguard Investments Australia Ltd.	BUY	184.86	Ordinary	1,074	1,074
3-Mar-2023	Vanguard Investments Australia Ltd.	BUY	185.47	Ordinary	3,822	3,822
6-Mar-2023	Vanguard Investments Australia Ltd.	BUY	189.99	Ordinary	716	716
7-Mar-2023	Vanguard Investments Australia Ltd.	BUY	193.00	Ordinary	716	716
7-Mar-2023	Vanguard Investments Australia Ltd.	BUY	193.00	Ordinary	1,074	1,074
8-Mar-2023	Vanguard Investments Australia Ltd.	BUY	190.84	Ordinary	154	154
9-Mar-2023	Vanguard Investments Australia Ltd.	BUY	190.78	Ordinary	625	625
9-Mar-2023	Vanguard Investments Australia Ltd.	BUY	192.55	Ordinary	3,488	3,488
10-Mar-2023	Vanguard Investments Australia Ltd.	BUY	184.66	Ordinary	4,440	4,440
10-Mar-2023	Vanguard Investments Australia Ltd.	BUY	184.66	Ordinary	2,166	2,166
13-Mar-2023	Vanguard Investments Australia Ltd.	SELL	182.13	Ordinary	(3,256)	(3,256)
13-Mar-2023	Vanguard Investments Australia Ltd.	BUY	182.13	Ordinary	722	722
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	176.53	Ordinary	1,970	1,970
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	176.53	Ordinary	5,920	5,920
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	176.53	Ordinary	2,166	2,166
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	176.53	Ordinary	1,444	1,444
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	176.53	Ordinary	416	416
15-Mar-2023	Vanguard Investments Australia Ltd.	BUY	178.10	Ordinary	1,279	1,279
15-Mar-2023	Vanguard Investments Australia Ltd.	BUY	178.10	Ordinary	1,083	1,083
15-Mar-2023	Vanguard Investments Australia Ltd.	BUY	178.10	Ordinary	416	416
16-Mar-2023	Vanguard Investments Australia Ltd.	BUY	175.13	Ordinary	5,920	5,920
16-Mar-2023	Vanguard Investments Australia Ltd.	BUY	175.13	Ordinary	1,444	1,444
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	175.79	Ordinary	1,397	1,397
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	175.79	Ordinary	163	163
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	175.79	Ordinary	34,004	34,004
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	175.79	Ordinary	7,682	7,682
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	175.79	Ordinary	6,684	6,684
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	175.79	Ordinary	1,083	1,083
20-Mar-2023	Vanguard Investments Australia Ltd.	SELL	167.78	Ordinary	(974)	(974)
20-Mar-2023	Vanguard Investments Australia Ltd.	SELL	167.78	Ordinary	(7,696)	(7,696)
21-Mar-2023	Vanguard Investments Australia Ltd.	BUY	173.33	Ordinary	4,410	4,410
21-Mar-2023	Vanguard Investments Australia Ltd.	BUY	173.33	Ordinary	1,448	1,448
22-Mar-2023	Vanguard Investments Australia Ltd.	SELL	174.10	Ordinary	(3,225)	(3,225)

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 affected
23-Mar-2023	Vanguard Investments Australia Ltd.	BUY	171.00	Ordinary	1,086	1,086
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	169.60	Ordinary	3,540	3,540
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	169.60	Ordinary	1,086	1,086
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	169.60	Ordinary	724	724
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	169.60	Ordinary	724	724
27-Mar-2023	Vanguard Investments Australia Ltd.	BUY	167.00	Ordinary	1,086	1,086
28-Mar-2023	Vanguard Investments Australia Ltd.	BUY	170.39	Ordinary	724	724
29-Mar-2023	Vanguard Investments Australia Ltd.	BUY	169.76	Ordinary	362	362
30-Mar-2023	Vanguard Investments Australia Ltd.	BUY	171.77	Ordinary	724	724
31-Mar-2023	Vanguard Investments Australia Ltd.	SELL	175.66	Ordinary	(261)	(261)
3-Apr-2023	Vanguard Investments Australia Ltd.	BUY	176.97	Ordinary	413	413
4-Apr-2023	Vanguard Investments Australia Ltd.	BUY	179.46	Ordinary	642	642
4-Apr-2023	Vanguard Investments Australia Ltd.	BUY	179.46	Ordinary	4,410	4,410
4-Apr-2023	Vanguard Investments Australia Ltd.	BUY	179.46	Ordinary	2,154	2,154
5-Apr-2023	Vanguard Investments Australia Ltd.	BUY	178.17	Ordinary	18,858	18,858
5-Apr-2023	Vanguard Investments Australia Ltd.	BUY	178.17	Ordinary	1,436	1,436
6-Apr-2023	Vanguard Investments Australia Ltd.	BUY	176.95	Ordinary	642	642
11-Apr-2023	Vanguard Investments Australia Ltd.	BUY	178.91	Ordinary	428	428
13-Apr-2023	Vanguard Investments Australia Ltd.	BUY	178.82	Ordinary	359	359
14-Apr-2023	Vanguard Investments Australia Ltd.	BUY	180.02	Ordinary	718	718
17-Apr-2023	Vanguard Investments Australia Ltd.	BUY	180.65	Ordinary	413	413
18-Apr-2023	Vanguard Investments Australia Ltd.	BUY	180.24	Ordinary	15,502	15,502
26-Apr-2023	Vanguard Investments Australia Ltd.	BUY	181.25	Ordinary	2,154	2,154
28-Apr-2023	Vanguard Investments Australia Ltd.	SELL	182.60	Ordinary	(40,093)	(40,093)
28-Apr-2023	Vanguard Investments Australia Ltd.	BUY	182.60	Ordinary	1,077	1,077
1-May-2023	Vanguard Investments Australia Ltd.	BUY	183.77	Ordinary	463	463
2-May-2023	Vanguard Investments Australia Ltd.	BUY	181.22	Ordinary	2,970	2,970
2-May-2023	Vanguard Investments Australia Ltd.	BUY	181.22	Ordinary	413	413
3-May-2023	Vanguard Investments Australia Ltd.	BUY	179.10	Ordinary	2,673	2,673
3-May-2023	Vanguard Investments Australia Ltd.	BUY	179.10	Ordinary	19,119	19,119
4-May-2023	Vanguard Investments Australia Ltd.	BUY	177.74	Ordinary	718	718
4-May-2023	Vanguard Investments Australia Ltd.	BUY	177.74	Ordinary	1,436	1,436
8-May-2023	Vanguard Investments Australia Ltd.	BUY	173.50	Ordinary	432	432
10-May-2023	Vanguard Investments Australia Ltd.	BUY	177.44	Ordinary	108	108
10-May-2023	Vanguard Investments Australia Ltd.	BUY	177.48	Ordinary	1,440	1,440
10-May-2023	Vanguard Investments Australia Ltd.	BUY	177.48	Ordinary	414	414
11-May-2023	Vanguard Investments Australia Ltd.	BUY	179.50	Ordinary	2,376	2,376
12-May-2023	Vanguard Investments Australia Ltd.	BUY	179.08	Ordinary	2,376	2,376
15-May-2023	Vanguard Investments Australia Ltd.	BUY	174.84	Ordinary	1,805	1,805
15-May-2023	Vanguard Investments Australia Ltd.	BUY	174.84	Ordinary	722	722
15-May-2023	Vanguard Investments Australia Ltd.	BUY	174.97	Ordinary	1,577	1,577
15-May-2023	Vanguard Investments Australia Ltd.	BUY	174.97	Ordinary	546	546
18-May-2023	Vanguard Investments Australia Ltd.	BUY	173.59	Ordinary	364	364
19-May-2023	Vanguard Investments Australia Ltd.	BUY	176.51	Ordinary	1,444	1,444
25-May-2023	Vanguard Investments Australia Ltd.	BUY	173.50	Ordinary	1,083	1,083
31-May-2023	Vanguard Investments Australia Ltd.	BUY	170.74	Ordinary	1,083	1,083
31-May-2023	Vanguard Investments Australia Ltd.	SELL	170.74	Ordinary	(297)	(297)
1-Jun-2023	Vanguard Investments Australia Ltd.	BUY	170.49	Ordinary	2,980	2,980
1-Jun-2023	Vanguard Investments Australia Ltd.	SELL	170.49	Ordinary	(8,046)	(8,046)
1-Jun-2023	Vanguard Investments Australia Ltd.	BUY	170.49	Ordinary	1,083	1,083
1-Jun-2023	Vanguard Investments Australia Ltd.	BUY	170.49	Ordinary	2,166	2,166
6-Jun-2023	Vanguard Investments Australia Ltd.	SELL	171.27	Ordinary	(6,237)	(6,237)
7-Jun-2023	Vanguard Investments Australia Ltd.	BUY	172.24	Ordinary	2,079	2,079
7-Jun-2023	Vanguard Investments Australia Ltd.	BUY	172.24	Ordinary	1,083	1,083
9-Jun-2023	Vanguard Investments Australia Ltd.	BUY	172.10	Ordinary	2,376	2,376
15-Jun-2023	Vanguard Investments Australia Ltd.	BUY	182.20	Ordinary	434	434
15-Jun-2023	Vanguard Investments Australia Ltd.	BUY	182.20	Ordinary	2,664	2,664
15-Jun-2023	Vanguard Investments Australia Ltd.	BUY	182.20	Ordinary	412	412
16-Jun-2023	Vanguard Investments Australia Ltd.	BUY	184.40	Ordinary	3,201	3,201
16-Jun-2023	Vanguard Investments Australia Ltd.	BUY	184.40	Ordinary	71,621	71,621
16-Jun-2023	Vanguard Investments Australia Ltd.	BUY	184.45	Ordinary	1,474	1,474
16-Jun-2023	Vanguard Investments Australia Ltd.	BUY	184.45	Ordinary	11,889	11,889

This is Annexure A of 5 pages referred to in Form 603, Notice of initial substantial holder.

Signature:



Name: Shawn Acker

Capacity: Compliance Manager

Date: 22 June 2023