

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme Commonwealth Bank of Australia
ACN/ARSN 123 123 124

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 22 July 2022

2. Details of voting power

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

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Ordinary	85,093,294	85,093,294	5.001%
Note: Vanguard Group also holds 22,690 shares of Commonwealth of Australia 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 – 85,093,294

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 – 5,107,217
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Ordinary – 6,128,830
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Ordinary – 59,692,650
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Ordinary – 14,164,040
Vanguard Group	Various Others	Various funds and other accounts of Vanguard Group	Ordinary – 557

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
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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 27 July 2022

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.

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To Company Commonwealth Bank of Australia
ACN/ARSN 123 123 124

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
25-Mar-22	The Vanguard Group, Inc.	BUY	105.92	Ordinary	803	803
25-Mar-22	The Vanguard Group, Inc.	SELL	105.92	Ordinary	(16,838)	(16,838)
25-Mar-22	The Vanguard Group, Inc.	BUY	107.29	Ordinary	76	76
28-Mar-22	The Vanguard Group, Inc.	BUY	106.49	Ordinary	186	186
28-Mar-22	The Vanguard Group, Inc.	BUY	106.49	Ordinary	5,853	5,853
28-Mar-22	The Vanguard Group, Inc.	BUY	106.49	Ordinary	387	387
29-Mar-22	The Vanguard Group, Inc.	BUY	106.37	Ordinary	1,608	1,608
29-Mar-22	The Vanguard Group, Inc.	BUY	106.37	Ordinary	845	845
29-Mar-22	The Vanguard Group, Inc.	BUY	106.37	Ordinary	477	477
29-Mar-22	The Vanguard Group, Inc.	BUY	106.37	Ordinary	24,675	24,675
29-Mar-22	The Vanguard Group, Inc.	BUY	106.37	Ordinary	30,929	30,929
29-Mar-22	The Vanguard Group, Inc.	BUY	106.37	Ordinary	22,328	22,328
30-Mar-22	The Vanguard Group, Inc.	BUY	107.07	Ordinary	579	579
30-Mar-22	The Vanguard Group, Inc.	BUY	107.09	Ordinary	2,258	2,258
30-Mar-22	The Vanguard Group, Inc.	BUY	107.09	Ordinary	4,049	4,049
31-Mar-22	The Vanguard Group, Inc.	BUY	105.77	Ordinary	1,110	1,110
31-Mar-22	The Vanguard Group, Inc.	BUY	105.77	Ordinary	555	555
31-Mar-22	The Vanguard Group, Inc.	BUY	105.24	Ordinary	7,304	7,304
31-Mar-22	The Vanguard Group, Inc.	BUY	106.71	Ordinary	17,842	17,842
31-Mar-22	The Vanguard Group, Inc.	BUY	105.24	Ordinary	4,690	4,690
31-Mar-22	The Vanguard Group, Inc.	IN SPECIE	105.24	Ordinary	(91,653)	(91,653)
1-Apr-22	The Vanguard Group, Inc.	BUY	104.53	Ordinary	805	805
1-Apr-22	The Vanguard Group, Inc.	BUY	105.34	Ordinary	7,132	7,132
1-Apr-22	The Vanguard Group, Inc.	BUY	104.69	Ordinary	1,852	1,852
1-Apr-22	The Vanguard Group, Inc.	BUY	105.34	Ordinary	16,549	16,549
4-Apr-22	The Vanguard Group, Inc.	BUY	103.72	Ordinary	1,154	1,154
4-Apr-22	The Vanguard Group, Inc.	BUY	103.72	Ordinary	188	188
4-Apr-22	The Vanguard Group, Inc.	SELL	104.79	Ordinary	(767)	(767)
5-Apr-22	The Vanguard Group, Inc.	BUY	104.36	Ordinary	1,154	1,154
5-Apr-22	The Vanguard Group, Inc.	BUY	104.36	Ordinary	1,608	1,608
5-Apr-22	The Vanguard Group, Inc.	BUY	104.36	Ordinary	491	491
5-Apr-22	The Vanguard Group, Inc.	BUY	104.31	Ordinary	393	393
5-Apr-22	The Vanguard Group, Inc.	BUY	103.80	Ordinary	2,766	2,766
5-Apr-22	The Vanguard Group, Inc.	BUY	104.31	Ordinary	21,033	21,033
5-Apr-22	The Vanguard Group, Inc.	BUY	103.80	Ordinary	3,400	3,400
5-Apr-22	The Vanguard Group, Inc.	BUY	103.80	Ordinary	1,275	1,275
6-Apr-22	The Vanguard Group, Inc.	BUY	105.71	Ordinary	676	676
6-Apr-22	The Vanguard Group, Inc.	BUY	104.18	Ordinary	1,917	1,917
6-Apr-22	The Vanguard Group, Inc.	BUY	104.18	Ordinary	6,791	6,791
6-Apr-22	The Vanguard Group, Inc.	BUY	105.65	Ordinary	9,125	9,125
6-Apr-22	The Vanguard Group, Inc.	BUY	105.65	Ordinary	2,720	2,720
6-Apr-22	The Vanguard Group, Inc.	BUY	105.65	Ordinary	3,752	3,752
7-Apr-22	The Vanguard Group, Inc.	BUY	105.24	Ordinary	3,093	3,093
7-Apr-22	The Vanguard Group, Inc.	BUY	105.24	Ordinary	1,038	1,038
7-Apr-22	The Vanguard Group, Inc.	BUY	105.24	Ordinary	300	300
7-Apr-22	The Vanguard Group, Inc.	BUY	105.72	Ordinary	2,270	2,270
7-Apr-22	The Vanguard Group, Inc.	BUY	105.24	Ordinary	9,996	9,996
7-Apr-22	The Vanguard Group, Inc.	BUY	105.04	Ordinary	11,731	11,731
7-Apr-22	The Vanguard Group, Inc.	BUY	105.24	Ordinary	15,743	15,743
8-Apr-22	The Vanguard Group, Inc.	BUY	105.38	Ordinary	1,040	1,040
8-Apr-22	The Vanguard Group, Inc.	BUY	105.22	Ordinary	365	365
8-Apr-22	The Vanguard Group, Inc.	BUY	105.22	Ordinary	590	590
8-Apr-22	The Vanguard Group, Inc.	BUY	105.93	Ordinary	1,824	1,824
8-Apr-22	The Vanguard Group, Inc.	BUY	105.22	Ordinary	13,462	13,462
8-Apr-22	The Vanguard Group, Inc.	BUY	105.93	Ordinary	10,968	10,968
8-Apr-22	The Vanguard Group, Inc.	BUY	105.93	Ordinary	3,860	3,860
11-Apr-22	The Vanguard Group, Inc.	BUY	106.88	Ordinary	815	815
12-Apr-22	The Vanguard Group, Inc.	BUY	106.71	Ordinary	1,632	1,632
12-Apr-22	The Vanguard Group, Inc.	BUY	106.71	Ordinary	152	152
12-Apr-22	The Vanguard Group, Inc.	BUY	106.71	Ordinary	970	970
12-Apr-22	The Vanguard Group, Inc.	BUY	106.33	Ordinary	10,962	10,962

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
12-Apr-22	The Vanguard Group, Inc.	BUY	106.33	Ordinary	18,270	18,270
12-Apr-22	The Vanguard Group, Inc.	BUY	106.58	Ordinary	13,099	13,099
12-Apr-22	The Vanguard Group, Inc.	BUY	106.58	Ordinary	1,273	1,273
12-Apr-22	The Vanguard Group, Inc.	BUY	106.33	Ordinary	1,930	1,930
13-Apr-22	The Vanguard Group, Inc.	BUY	106.55	Ordinary	733	733
13-Apr-22	The Vanguard Group, Inc.	BUY	106.55	Ordinary	278	278
13-Apr-22	The Vanguard Group, Inc.	BUY	106.43	Ordinary	34,044	34,044
14-Apr-22	The Vanguard Group, Inc.	BUY	106.41	Ordinary	22,369	22,369
19-Apr-22	The Vanguard Group, Inc.	BUY	107.01	Ordinary	817	817
19-Apr-22	The Vanguard Group, Inc.	BUY	107.03	Ordinary	635	635
19-Apr-22	The Vanguard Group, Inc.	SELL	107.64	Ordinary	(6,244)	(6,244)
19-Apr-22	The Vanguard Group, Inc.	BUY	107.03	Ordinary	4,397	4,397
19-Apr-22	The Vanguard Group, Inc.	BUY	107.03	Ordinary	41,982	41,982
19-Apr-22	The Vanguard Group, Inc.	BUY	107.03	Ordinary	1,267	1,267
19-Apr-22	The Vanguard Group, Inc.	BUY	107.64	Ordinary	3,864	3,864
19-Apr-22	The Vanguard Group, Inc.	BUY	107.03	Ordinary	3,166	3,166
20-Apr-22	The Vanguard Group, Inc.	BUY	107.24	Ordinary	818	818
20-Apr-22	The Vanguard Group, Inc.	BUY	107.48	Ordinary	38	38
20-Apr-22	The Vanguard Group, Inc.	BUY	107.48	Ordinary	375	375
20-Apr-22	The Vanguard Group, Inc.	BUY	107.48	Ordinary	11,688	11,688
20-Apr-22	The Vanguard Group, Inc.	BUY	107.48	Ordinary	34,878	34,878
20-Apr-22	The Vanguard Group, Inc.	BUY	107.44	Ordinary	1,932	1,932
20-Apr-22	The Vanguard Group, Inc.	BUY	107.24	Ordinary	605	605
21-Apr-22	The Vanguard Group, Inc.	BUY	108.35	Ordinary	1,430	1,430
21-Apr-22	The Vanguard Group, Inc.	BUY	108.35	Ordinary	45,205	45,205
21-Apr-22	The Vanguard Group, Inc.	SELL	108.00	Ordinary	(1,542)	(1,542)
22-Apr-22	The Vanguard Group, Inc.	BUY	105.37	Ordinary	4,035	4,035
22-Apr-22	The Vanguard Group, Inc.	BUY	105.37	Ordinary	1,634	1,634
22-Apr-22	The Vanguard Group, Inc.	BUY	106.96	Ordinary	1,362	1,362
22-Apr-22	The Vanguard Group, Inc.	BUY	106.96	Ordinary	12,491	12,491
22-Apr-22	The Vanguard Group, Inc.	BUY	106.96	Ordinary	57,196	57,196
22-Apr-22	The Vanguard Group, Inc.	SELL	108.00	Ordinary	(425)	(425)
26-Apr-22	The Vanguard Group, Inc.	BUY	104.75	Ordinary	1,636	1,636
26-Apr-22	The Vanguard Group, Inc.	BUY	104.75	Ordinary	3,268	3,268
26-Apr-22	The Vanguard Group, Inc.	BUY	104.75	Ordinary	491	491
26-Apr-22	The Vanguard Group, Inc.	BUY	104.75	Ordinary	1,441	1,441
26-Apr-22	The Vanguard Group, Inc.	BUY	103.23	Ordinary	828	828
26-Apr-22	The Vanguard Group, Inc.	BUY	103.23	Ordinary	1,442	1,442
26-Apr-22	The Vanguard Group, Inc.	BUY	103.23	Ordinary	7,785	7,785
26-Apr-22	The Vanguard Group, Inc.	BUY	103.23	Ordinary	17,118	17,118
26-Apr-22	The Vanguard Group, Inc.	BUY	104.75	Ordinary	64,628	64,628
27-Apr-22	The Vanguard Group, Inc.	SELL	103.68	Ordinary	(1,880)	(1,880)
27-Apr-22	The Vanguard Group, Inc.	BUY	103.51	Ordinary	32,119	32,119
27-Apr-22	The Vanguard Group, Inc.	BUY	103.33	Ordinary	4,080	4,080
27-Apr-22	The Vanguard Group, Inc.	BUY	103.33	Ordinary	1,704	1,704
28-Apr-22	The Vanguard Group, Inc.	BUY	103.23	Ordinary	3,039	3,039
28-Apr-22	The Vanguard Group, Inc.	BUY	103.23	Ordinary	3,260	3,260
28-Apr-22	The Vanguard Group, Inc.	BUY	103.23	Ordinary	26,872	26,872
28-Apr-22	The Vanguard Group, Inc.	BUY	103.23	Ordinary	692	692
28-Apr-22	The Vanguard Group, Inc.	BUY	103.14	Ordinary	3,278	3,278
28-Apr-22	The Vanguard Group, Inc.	BUY	103.14	Ordinary	44,659	44,659
28-Apr-22	The Vanguard Group, Inc.	BUY	103.78	Ordinary	1,936	1,936
28-Apr-22	The Vanguard Group, Inc.	BUY	103.78	Ordinary	2,904	2,904
29-Apr-22	The Vanguard Group, Inc.	BUY	103.88	Ordinary	576	576
29-Apr-22	The Vanguard Group, Inc.	BUY	103.88	Ordinary	3,038	3,038
29-Apr-22	The Vanguard Group, Inc.	BUY	103.88	Ordinary	15,295	15,295
29-Apr-22	The Vanguard Group, Inc.	BUY	103.66	Ordinary	28,630	28,630
29-Apr-22	The Vanguard Group, Inc.	BUY	103.66	Ordinary	1,772	1,772
29-Apr-22	The Vanguard Group, Inc.	SELL	103.88	Ordinary	(14,364)	(14,364)
2-May-22	The Vanguard Group, Inc.	BUY	102.97	Ordinary	818	818
2-May-22	The Vanguard Group, Inc.	SELL	103.10	Ordinary	(734)	(734)
2-May-22	The Vanguard Group, Inc.	SELL	103.10	Ordinary	(954)	(954)
2-May-22	The Vanguard Group, Inc.	SELL	103.10	Ordinary	(820)	(820)
2-May-22	The Vanguard Group, Inc.	SELL	102.83	Ordinary	(2,172)	(2,172)
2-May-22	The Vanguard Group, Inc.	BUY	102.95	Ordinary	7,007	7,007
2-May-22	The Vanguard Group, Inc.	BUY	102.95	Ordinary	17,614	17,614
3-May-22	The Vanguard Group, Inc.	BUY	102.26	Ordinary	3,260	3,260
3-May-22	The Vanguard Group, Inc.	BUY	102.26	Ordinary	2,237	2,237

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
3-May-22	The Vanguard Group, Inc.	BUY	102.23	Ordinary	8,043	8,043
3-May-22	The Vanguard Group, Inc.	BUY	102.23	Ordinary	18,275	18,275
4-May-22	The Vanguard Group, Inc.	BUY	102.98	Ordinary	576	576
4-May-22	The Vanguard Group, Inc.	BUY	102.98	Ordinary	818	818
4-May-22	The Vanguard Group, Inc.	BUY	102.70	Ordinary	17,153	17,153
4-May-22	The Vanguard Group, Inc.	BUY	103.35	Ordinary	4,683	4,683
4-May-22	The Vanguard Group, Inc.	BUY	102.70	Ordinary	19,107	19,107
4-May-22	The Vanguard Group, Inc.	BUY	103.35	Ordinary	5,100	5,100
5-May-22	The Vanguard Group, Inc.	BUY	103.71	Ordinary	576	576
5-May-22	The Vanguard Group, Inc.	BUY	103.71	Ordinary	225	225
5-May-22	The Vanguard Group, Inc.	BUY	102.84	Ordinary	10,308	10,308
5-May-22	The Vanguard Group, Inc.	BUY	103.71	Ordinary	6,151	6,151
5-May-22	The Vanguard Group, Inc.	BUY	102.51	Ordinary	2,910	2,910
6-May-22	The Vanguard Group, Inc.	BUY	102.40	Ordinary	3,032	3,032
6-May-22	The Vanguard Group, Inc.	BUY	102.40	Ordinary	720	720
6-May-22	The Vanguard Group, Inc.	BUY	102.40	Ordinary	905	905
6-May-22	The Vanguard Group, Inc.	BUY	102.40	Ordinary	1,121	1,121
6-May-22	The Vanguard Group, Inc.	BUY	102.26	Ordinary	342	342
6-May-22	The Vanguard Group, Inc.	BUY	102.26	Ordinary	14,924	14,924
6-May-22	The Vanguard Group, Inc.	BUY	102.26	Ordinary	5,435	5,435
6-May-22	The Vanguard Group, Inc.	BUY	101.95	Ordinary	2,910	2,910
9-May-22	The Vanguard Group, Inc.	BUY	102.66	Ordinary	819	819
9-May-22	The Vanguard Group, Inc.	BUY	102.66	Ordinary	1,555	1,555
9-May-22	The Vanguard Group, Inc.	BUY	102.28	Ordinary	8,819	8,819
9-May-22	The Vanguard Group, Inc.	BUY	101.65	Ordinary	1,940	1,940
10-May-22	The Vanguard Group, Inc.	BUY	101.70	Ordinary	1,108	1,108
10-May-22	The Vanguard Group, Inc.	BUY	101.70	Ordinary	1,050	1,050
10-May-22	The Vanguard Group, Inc.	BUY	101.70	Ordinary	34,637	34,637
10-May-22	The Vanguard Group, Inc.	BUY	101.14	Ordinary	44,902	44,902
10-May-22	The Vanguard Group, Inc.	BUY	101.14	Ordinary	5,187	5,187
10-May-22	The Vanguard Group, Inc.	BUY	101.37	Ordinary	1,278	1,278
10-May-22	The Vanguard Group, Inc.	BUY	101.14	Ordinary	26,209	26,209
10-May-22	The Vanguard Group, Inc.	BUY	101.14	Ordinary	1,375	1,375
10-May-22	The Vanguard Group, Inc.	BUY	101.14	Ordinary	3,438	3,438
11-May-22	The Vanguard Group, Inc.	BUY	101.51	Ordinary	576	576
11-May-22	The Vanguard Group, Inc.	BUY	101.51	Ordinary	819	819
11-May-22	The Vanguard Group, Inc.	BUY	101.51	Ordinary	50	50
11-May-22	The Vanguard Group, Inc.	BUY	101.51	Ordinary	861	861
11-May-22	The Vanguard Group, Inc.	BUY	101.51	Ordinary	43	43
11-May-22	The Vanguard Group, Inc.	BUY	101.51	Ordinary	19,282	19,282
11-May-22	The Vanguard Group, Inc.	BUY	101.06	Ordinary	1,942	1,942
11-May-22	The Vanguard Group, Inc.	BUY	101.51	Ordinary	555	555
12-May-22	The Vanguard Group, Inc.	BUY	102.15	Ordinary	554	554
12-May-22	The Vanguard Group, Inc.	BUY	102.15	Ordinary	576	576
12-May-22	The Vanguard Group, Inc.	BUY	101.42	Ordinary	23,749	23,749
12-May-22	The Vanguard Group, Inc.	BUY	102.23	Ordinary	3,400	3,400
12-May-22	The Vanguard Group, Inc.	BUY	102.23	Ordinary	1,946	1,946
12-May-22	The Vanguard Group, Inc.	BUY	102.23	Ordinary	3,892	3,892
12-May-22	The Vanguard Group, Inc.	BUY	101.42	Ordinary	3,542	3,542
13-May-22	The Vanguard Group, Inc.	BUY	102.13	Ordinary	607	607
13-May-22	The Vanguard Group, Inc.	BUY	102.28	Ordinary	1,173	1,173
13-May-22	The Vanguard Group, Inc.	BUY	102.13	Ordinary	282	282
13-May-22	The Vanguard Group, Inc.	BUY	102.13	Ordinary	7,428	7,428
13-May-22	The Vanguard Group, Inc.	BUY	102.13	Ordinary	1,409	1,409
13-May-22	The Vanguard Group, Inc.	BUY	102.13	Ordinary	22,360	22,360
13-May-22	The Vanguard Group, Inc.	BUY	102.13	Ordinary	1,450	1,450
16-May-22	The Vanguard Group, Inc.	BUY	103.33	Ordinary	4,446	4,446
16-May-22	The Vanguard Group, Inc.	BUY	103.33	Ordinary	817	817
16-May-22	The Vanguard Group, Inc.	BUY	103.00	Ordinary	331	331
17-May-22	The Vanguard Group, Inc.	BUY	105.12	Ordinary	1,039	1,039
17-May-22	The Vanguard Group, Inc.	BUY	104.90	Ordinary	10,193	10,193
17-May-22	The Vanguard Group, Inc.	BUY	104.90	Ordinary	13,757	13,757
17-May-22	The Vanguard Group, Inc.	BUY	104.90	Ordinary	1,415	1,415
18-May-22	The Vanguard Group, Inc.	BUY	104.80	Ordinary	1,106	1,106
18-May-22	The Vanguard Group, Inc.	BUY	104.80	Ordinary	10,467	10,467
18-May-22	The Vanguard Group, Inc.	BUY	104.80	Ordinary	37	37
18-May-22	The Vanguard Group, Inc.	BUY	105.40	Ordinary	1,396	1,396
18-May-22	The Vanguard Group, Inc.	BUY	104.80	Ordinary	7,136	7,136

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
18-May-22	The Vanguard Group, Inc.	BUY	104.80	Ordinary	9,169	9,169
18-May-22	The Vanguard Group, Inc.	BUY	103.82	Ordinary	1,944	1,944
19-May-22	The Vanguard Group, Inc.	BUY	103.80	Ordinary	3,701	3,701
19-May-22	The Vanguard Group, Inc.	BUY	103.80	Ordinary	820	820
19-May-22	The Vanguard Group, Inc.	BUY	103.80	Ordinary	843	843
19-May-22	The Vanguard Group, Inc.	BUY	103.80	Ordinary	183	183
19-May-22	The Vanguard Group, Inc.	BUY	103.80	Ordinary	816	816
19-May-22	The Vanguard Group, Inc.	BUY	103.51	Ordinary	648	648
19-May-22	The Vanguard Group, Inc.	BUY	103.78	Ordinary	3,234	3,234
19-May-22	The Vanguard Group, Inc.	BUY	103.78	Ordinary	6,252	6,252
19-May-22	The Vanguard Group, Inc.	BUY	103.78	Ordinary	5,100	5,100
19-May-22	The Vanguard Group, Inc.	BUY	103.78	Ordinary	1,946	1,946
19-May-22	The Vanguard Group, Inc.	BUY	103.78	Ordinary	1,946	1,946
19-May-22	The Vanguard Group, Inc.	BUY	103.51	Ordinary	3,396	3,396
20-May-22	The Vanguard Group, Inc.	BUY	104.60	Ordinary	1,848	1,848
20-May-22	The Vanguard Group, Inc.	BUY	104.00	Ordinary	597	597
20-May-22	The Vanguard Group, Inc.	BUY	104.60	Ordinary	8,002	8,002
20-May-22	The Vanguard Group, Inc.	BUY	104.60	Ordinary	26,135	26,135
20-May-22	The Vanguard Group, Inc.	BUY	104.60	Ordinary	4,083	4,083
23-May-22	The Vanguard Group, Inc.	BUY	104.50	Ordinary	572	572
23-May-22	The Vanguard Group, Inc.	BUY	104.50	Ordinary	1,007	1,007
23-May-22	The Vanguard Group, Inc.	BUY	104.50	Ordinary	9,412	9,412
23-May-22	The Vanguard Group, Inc.	BUY	104.50	Ordinary	6,088	6,088
23-May-22	The Vanguard Group, Inc.	BUY	104.50	Ordinary	1,366	1,366
24-May-22	The Vanguard Group, Inc.	BUY	105.09	Ordinary	22,857	22,857
24-May-22	The Vanguard Group, Inc.	BUY	105.02	Ordinary	2,925	2,925
25-May-22	The Vanguard Group, Inc.	BUY	106.17	Ordinary	819	819
25-May-22	The Vanguard Group, Inc.	BUY	106.17	Ordinary	198	198
25-May-22	The Vanguard Group, Inc.	BUY	105.82	Ordinary	4,804	4,804
25-May-22	The Vanguard Group, Inc.	BUY	106.35	Ordinary	9,780	9,780
25-May-22	The Vanguard Group, Inc.	BUY	106.35	Ordinary	1,956	1,956
25-May-22	The Vanguard Group, Inc.	BUY	106.35	Ordinary	2,934	2,934
26-May-22	The Vanguard Group, Inc.	BUY	106.09	Ordinary	4,320	4,320
26-May-22	The Vanguard Group, Inc.	BUY	106.46	Ordinary	741	741
26-May-22	The Vanguard Group, Inc.	BUY	106.09	Ordinary	1,950	1,950
27-May-22	The Vanguard Group, Inc.	BUY	106.63	Ordinary	572	572
27-May-22	The Vanguard Group, Inc.	BUY	106.63	Ordinary	820	820
30-May-22	The Vanguard Group, Inc.	BUY	106.80	Ordinary	3,193	3,193
30-May-22	The Vanguard Group, Inc.	BUY	106.80	Ordinary	8,468	8,468
30-May-22	The Vanguard Group, Inc.	BUY	106.80	Ordinary	24,283	24,283
31-May-22	The Vanguard Group, Inc.	SELL	104.36	Ordinary	(3,540)	(3,540)
1-Jun-22	The Vanguard Group, Inc.	BUY	106.71	Ordinary	949	949
1-Jun-22	The Vanguard Group, Inc.	BUY	105.59	Ordinary	674	674
1-Jun-22	The Vanguard Group, Inc.	BUY	105.59	Ordinary	271	271
1-Jun-22	The Vanguard Group, Inc.	BUY	105.59	Ordinary	3,573	3,573
1-Jun-22	The Vanguard Group, Inc.	BUY	105.59	Ordinary	8,694	8,694
1-Jun-22	The Vanguard Group, Inc.	BUY	105.59	Ordinary	1,304	1,304
2-Jun-22	The Vanguard Group, Inc.	BUY	105.44	Ordinary	819	819
2-Jun-22	The Vanguard Group, Inc.	BUY	105.44	Ordinary	491	491
2-Jun-22	The Vanguard Group, Inc.	BUY	105.56	Ordinary	4,387	4,387
2-Jun-22	The Vanguard Group, Inc.	BUY	105.56	Ordinary	413	413
2-Jun-22	The Vanguard Group, Inc.	BUY	105.56	Ordinary	27	27
2-Jun-22	The Vanguard Group, Inc.	BUY	106.49	Ordinary	4,324	4,324
2-Jun-22	The Vanguard Group, Inc.	BUY	106.49	Ordinary	6,800	6,800
2-Jun-22	The Vanguard Group, Inc.	BUY	106.49	Ordinary	1,278	1,278
2-Jun-22	The Vanguard Group, Inc.	BUY	106.49	Ordinary	1,954	1,954
2-Jun-22	The Vanguard Group, Inc.	BUY	105.56	Ordinary	3,339	3,339
2-Jun-22	The Vanguard Group, Inc.	SELL	105.66	Ordinary	(1,484)	(1,484)
3-Jun-22	The Vanguard Group, Inc.	BUY	105.20	Ordinary	572	572
3-Jun-22	The Vanguard Group, Inc.	BUY	105.20	Ordinary	819	819
3-Jun-22	The Vanguard Group, Inc.	BUY	105.04	Ordinary	2,931	2,931
3-Jun-22	The Vanguard Group, Inc.	BUY	106.21	Ordinary	355	355
7-Jun-22	The Vanguard Group, Inc.	BUY	101.96	Ordinary	820	820
7-Jun-22	The Vanguard Group, Inc.	BUY	101.96	Ordinary	2,149	2,149
7-Jun-22	The Vanguard Group, Inc.	BUY	104.10	Ordinary	1,974	1,974
8-Jun-22	The Vanguard Group, Inc.	BUY	97.47	Ordinary	553	553
8-Jun-22	The Vanguard Group, Inc.	BUY	97.47	Ordinary	3,368	3,368
8-Jun-22	The Vanguard Group, Inc.	BUY	97.47	Ordinary	3,947	3,947

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8-Jun-22	The Vanguard Group, Inc.	SELL	97.47	Ordinary	(97,342)	(97,342)
8-Jun-22	The Vanguard Group, Inc.	BUY	97.47	Ordinary	767	767
9-Jun-22	The Vanguard Group, Inc.	BUY	94.95	Ordinary	1,186	1,186
9-Jun-22	The Vanguard Group, Inc.	BUY	94.32	Ordinary	1,278	1,278
10-Jun-22	The Vanguard Group, Inc.	BUY	93.78	Ordinary	2,463	2,463
10-Jun-22	The Vanguard Group, Inc.	BUY	93.78	Ordinary	3,839	3,839
13-Jun-22	The Vanguard Group, Inc.	BUY	89.39	Ordinary	1,278	1,278
13-Jun-22	The Vanguard Group, Inc.	BUY	89.39	Ordinary	2,931	2,931
13-Jun-22	The Vanguard Group, Inc.	BUY	89.39	Ordinary	2,931	2,931
14-Jun-22	The Vanguard Group, Inc.	BUY	91.20	Ordinary	579	579
14-Jun-22	The Vanguard Group, Inc.	BUY	91.20	Ordinary	563	563
14-Jun-22	The Vanguard Group, Inc.	BUY	91.20	Ordinary	3,371	3,371
14-Jun-22	The Vanguard Group, Inc.	BUY	91.20	Ordinary	3,280	3,280
14-Jun-22	The Vanguard Group, Inc.	SELL	89.70	Ordinary	(696)	(696)
14-Jun-22	The Vanguard Group, Inc.	BUY	89.70	Ordinary	515	515
14-Jun-22	The Vanguard Group, Inc.	SELL	90.54	Ordinary	(2,750)	(2,750)
14-Jun-22	The Vanguard Group, Inc.	SELL	90.54	Ordinary	(3,267)	(3,267)
15-Jun-22	The Vanguard Group, Inc.	BUY	90.62	Ordinary	580	580
15-Jun-22	The Vanguard Group, Inc.	SELL	90.62	Ordinary	(58,266)	(58,266)
16-Jun-22	The Vanguard Group, Inc.	BUY	88.99	Ordinary	5,862	5,862
17-Jun-22	The Vanguard Group, Inc.	SELL	87.31	Ordinary	(4,596)	(4,596)
17-Jun-22	The Vanguard Group, Inc.	BUY	87.26	Ordinary	30	30
17-Jun-22	The Vanguard Group, Inc.	BUY	87.26	Ordinary	3,058	3,058
17-Jun-22	The Vanguard Group, Inc.	SELL	87.31	Ordinary	(7,518)	(7,518)
17-Jun-22	The Vanguard Group, Inc.	SELL	87.31	Ordinary	(2,485)	(2,485)
17-Jun-22	The Vanguard Group, Inc.	SELL	87.31	Ordinary	(90,963)	(90,963)
17-Jun-22	The Vanguard Group, Inc.	SELL	87.31	Ordinary	(15,749)	(15,749)
17-Jun-22	The Vanguard Group, Inc.	SELL	87.31	Ordinary	(74,165)	(74,165)
17-Jun-22	The Vanguard Group, Inc.	SELL	87.31	Ordinary	(39,609)	(39,609)
17-Jun-22	The Vanguard Group, Inc.	SELL	87.31	Ordinary	(2,986)	(2,986)
17-Jun-22	The Vanguard Group, Inc.	SELL	87.31	Ordinary	(7,821)	(7,821)
20-Jun-22	The Vanguard Group, Inc.	BUY	87.55	Ordinary	3,014	3,014
20-Jun-22	The Vanguard Group, Inc.	SELL	87.55	Ordinary	(66,193)	(66,193)
21-Jun-22	The Vanguard Group, Inc.	BUY	89.67	Ordinary	1,134	1,134
21-Jun-22	The Vanguard Group, Inc.	BUY	89.67	Ordinary	567	567
22-Jun-22	The Vanguard Group, Inc.	BUY	89.57	Ordinary	547	547
22-Jun-22	The Vanguard Group, Inc.	BUY	90.79	Ordinary	677	677
24-Jun-22	The Vanguard Group, Inc.	BUY	90.16	Ordinary	560	560
24-Jun-22	The Vanguard Group, Inc.	BUY	90.16	Ordinary	1,130	1,130
24-Jun-22	The Vanguard Group, Inc.	SELL	89.35	Ordinary	(463)	(463)
24-Jun-22	The Vanguard Group, Inc.	BUY	91.48	Ordinary	5,248	5,248
24-Jun-22	The Vanguard Group, Inc.	BUY	91.48	Ordinary	1,260	1,260
27-Jun-22	The Vanguard Group, Inc.	BUY	93.74	Ordinary	2,025	2,025
27-Jun-22	The Vanguard Group, Inc.	BUY	93.69	Ordinary	1,918	1,918
28-Jun-22	The Vanguard Group, Inc.	BUY	93.54	Ordinary	567	567
28-Jun-22	The Vanguard Group, Inc.	BUY	93.54	Ordinary	1,648	1,648
28-Jun-22	The Vanguard Group, Inc.	BUY	93.99	Ordinary	1,376	1,376
28-Jun-22	The Vanguard Group, Inc.	BUY	93.54	Ordinary	14,691	14,691
28-Jun-22	The Vanguard Group, Inc.	BUY	92.68	Ordinary	10,890	10,890
28-Jun-22	The Vanguard Group, Inc.	BUY	93.54	Ordinary	15,184	15,184
28-Jun-22	The Vanguard Group, Inc.	BUY	93.54	Ordinary	319	319
29-Jun-22	The Vanguard Group, Inc.	BUY	93.00	Ordinary	565	565
29-Jun-22	The Vanguard Group, Inc.	BUY	93.00	Ordinary	2,996	2,996
29-Jun-22	The Vanguard Group, Inc.	BUY	93.00	Ordinary	1,626	1,626
29-Jun-22	The Vanguard Group, Inc.	BUY	93.00	Ordinary	2,271	2,271
29-Jun-22	The Vanguard Group, Inc.	BUY	93.00	Ordinary	304	304
29-Jun-22	The Vanguard Group, Inc.	SELL	93.30	Ordinary	(1,352)	(1,352)
29-Jun-22	The Vanguard Group, Inc.	BUY	92.73	Ordinary	26,101	26,101
29-Jun-22	The Vanguard Group, Inc.	BUY	92.79	Ordinary	2,134	2,134
29-Jun-22	The Vanguard Group, Inc.	BUY	92.79	Ordinary	2,877	2,877
29-Jun-22	The Vanguard Group, Inc.	BUY	92.79	Ordinary	3,836	3,836
29-Jun-22	The Vanguard Group, Inc.	BUY	92.73	Ordinary	21,994	21,994
30-Jun-22	The Vanguard Group, Inc.	SELL	90.38	Ordinary	(1,897)	(1,897)
30-Jun-22	The Vanguard Group, Inc.	SELL	90.38	Ordinary	(267)	(267)
30-Jun-22	The Vanguard Group, Inc.	BUY	90.51	Ordinary	9,075	9,075
30-Jun-22	The Vanguard Group, Inc.	BUY	90.51	Ordinary	7,755	7,755
30-Jun-22	The Vanguard Group, Inc.	BUY	90.51	Ordinary	23,265	23,265
30-Jun-22	The Vanguard Group, Inc.	BUY	90.51	Ordinary	31,020	31,020

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1-Jul-22	The Vanguard Group, Inc.	SELL	90.97	Ordinary	(523)	(523)
1-Jul-22	The Vanguard Group, Inc.	BUY	91.83	Ordinary	21,768	21,768
1-Jul-22	The Vanguard Group, Inc.	BUY	91.83	Ordinary	18,612	18,612
1-Jul-22	The Vanguard Group, Inc.	BUY	91.83	Ordinary	6,560	6,560
5-Jul-22	The Vanguard Group, Inc.	BUY	91.23	Ordinary	1,628	1,628
5-Jul-22	The Vanguard Group, Inc.	BUY	91.23	Ordinary	814	814
5-Jul-22	The Vanguard Group, Inc.	BUY	90.51	Ordinary	10,890	10,890
5-Jul-22	The Vanguard Group, Inc.	BUY	90.51	Ordinary	12,408	12,408
6-Jul-22	The Vanguard Group, Inc.	BUY	92.00	Ordinary	1,140	1,140
6-Jul-22	The Vanguard Group, Inc.	BUY	92.00	Ordinary	4,644	4,644
6-Jul-22	The Vanguard Group, Inc.	BUY	92.00	Ordinary	1,630	1,630
6-Jul-22	The Vanguard Group, Inc.	BUY	92.00	Ordinary	1,833	1,833
6-Jul-22	The Vanguard Group, Inc.	BUY	91.62	Ordinary	753	753
6-Jul-22	The Vanguard Group, Inc.	BUY	91.62	Ordinary	375	375
6-Jul-22	The Vanguard Group, Inc.	BUY	92.35	Ordinary	2,646	2,646
6-Jul-22	The Vanguard Group, Inc.	BUY	92.35	Ordinary	4,653	4,653
6-Jul-22	The Vanguard Group, Inc.	BUY	92.35	Ordinary	7,216	7,216
6-Jul-22	The Vanguard Group, Inc.	BUY	91.62	Ordinary	21,887	21,887
6-Jul-22	The Vanguard Group, Inc.	BUY	91.62	Ordinary	2,942	2,942
7-Jul-22	The Vanguard Group, Inc.	BUY	93.08	Ordinary	450	450
7-Jul-22	The Vanguard Group, Inc.	BUY	92.10	Ordinary	10,816	10,816
7-Jul-22	The Vanguard Group, Inc.	BUY	93.75	Ordinary	10,640	10,640
7-Jul-22	The Vanguard Group, Inc.	BUY	92.10	Ordinary	11,068	11,068
7-Jul-22	The Vanguard Group, Inc.	BUY	92.10	Ordinary	31,835	31,835
7-Jul-22	The Vanguard Group, Inc.	BUY	92.10	Ordinary	2,569	2,569
8-Jul-22	The Vanguard Group, Inc.	BUY	92.59	Ordinary	525	525
8-Jul-22	The Vanguard Group, Inc.	BUY	92.70	Ordinary	6,204	6,204
8-Jul-22	The Vanguard Group, Inc.	BUY	93.50	Ordinary	26,682	26,682
11-Jul-22	The Vanguard Group, Inc.	BUY	92.55	Ordinary	8,879	8,879
11-Jul-22	The Vanguard Group, Inc.	BUY	92.55	Ordinary	973	973
11-Jul-22	The Vanguard Group, Inc.	BUY	92.99	Ordinary	305	305
11-Jul-22	The Vanguard Group, Inc.	BUY	92.99	Ordinary	43,625	43,625
12-Jul-22	The Vanguard Group, Inc.	BUY	93.66	Ordinary	9,080	9,080
12-Jul-22	The Vanguard Group, Inc.	BUY	93.66	Ordinary	68,244	68,244
12-Jul-22	The Vanguard Group, Inc.	BUY	93.31	Ordinary	36,413	36,413
12-Jul-22	The Vanguard Group, Inc.	BUY	93.66	Ordinary	6,560	6,560
12-Jul-22	The Vanguard Group, Inc.	BUY	93.31	Ordinary	20,704	20,704
12-Jul-22	The Vanguard Group, Inc.	BUY	93.66	Ordinary	2,880	2,880
13-Jul-22	The Vanguard Group, Inc.	BUY	94.63	Ordinary	1,749	1,749
13-Jul-22	The Vanguard Group, Inc.	BUY	93.43	Ordinary	19,243	19,243
13-Jul-22	The Vanguard Group, Inc.	BUY	93.43	Ordinary	13,804	13,804
13-Jul-22	The Vanguard Group, Inc.	BUY	94.72	Ordinary	1,920	1,920
13-Jul-22	The Vanguard Group, Inc.	BUY	93.43	Ordinary	557	557
14-Jul-22	The Vanguard Group, Inc.	BUY	93.22	Ordinary	574	574
14-Jul-22	The Vanguard Group, Inc.	BUY	93.22	Ordinary	786	786
14-Jul-22	The Vanguard Group, Inc.	BUY	92.46	Ordinary	1,922	1,922
15-Jul-22	The Vanguard Group, Inc.	BUY	94.00	Ordinary	12,733	12,733
15-Jul-22	The Vanguard Group, Inc.	BUY	93.27	Ordinary	59,891	59,891
15-Jul-22	The Vanguard Group, Inc.	BUY	92.79	Ordinary	12,097	12,097
15-Jul-22	The Vanguard Group, Inc.	BUY	92.79	Ordinary	7,782	7,782
18-Jul-22	The Vanguard Group, Inc.	BUY	93.82	Ordinary	1,260	1,260
19-Jul-22	The Vanguard Group, Inc.	BUY	94.32	Ordinary	4,864	4,864
19-Jul-22	The Vanguard Group, Inc.	SELL	94.37	Ordinary	(1,059)	(1,059)
19-Jul-22	The Vanguard Group, Inc.	BUY	94.95	Ordinary	507	507
19-Jul-22	The Vanguard Group, Inc.	BUY	94.32	Ordinary	382	382
19-Jul-22	The Vanguard Group, Inc.	SELL	95.83	Ordinary	(49,296)	(49,296)
19-Jul-22	The Vanguard Group, Inc.	BUY	94.32	Ordinary	21,495	21,495
19-Jul-22	The Vanguard Group, Inc.	BUY	94.32	Ordinary	1,578	1,578
19-Jul-22	The Vanguard Group, Inc.	BUY	95.83	Ordinary	1,932	1,932
19-Jul-22	The Vanguard Group, Inc.	BUY	95.83	Ordinary	2,898	2,898
20-Jul-22	The Vanguard Group, Inc.	BUY	96.02	Ordinary	1,569	1,569
20-Jul-22	The Vanguard Group, Inc.	BUY	96.07	Ordinary	4,133	4,133
20-Jul-22	The Vanguard Group, Inc.	BUY	95.79	Ordinary	4,653	4,653
20-Jul-22	The Vanguard Group, Inc.	BUY	96.07	Ordinary	19,120	19,120
20-Jul-22	The Vanguard Group, Inc.	BUY	96.07	Ordinary	23,745	23,745
20-Jul-22	The Vanguard Group, Inc.	BUY	96.07	Ordinary	6,508	6,508
21-Jul-22	The Vanguard Group, Inc.	BUY	97.62	Ordinary	787	787
21-Jul-22	The Vanguard Group, Inc.	BUY	96.68	Ordinary	25,931	25,931

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21-Jul-22	The Vanguard Group, Inc.	BUY	96.68	Ordinary	34,193	34,193
22-Jul-22	The Vanguard Group, Inc.	BUY	97.71	Ordinary	10,636	10,636
22-Jul-22	The Vanguard Group, Inc.	BUY	97.80	Ordinary	31,330	31,330
22-Jul-22	The Vanguard Group, Inc.	BUY	97.80	Ordinary	1,182	1,182
22-Jul-22	The Vanguard Group, Inc.	BUY	97.71	Ordinary	23,062	23,062
29-Mar-22	Vanguard Investments Australia Ltd.	BUY	106.37	Ordinary	2,742	2,742
29-Mar-22	Vanguard Investments Australia Ltd.	BUY	106.37	Ordinary	3,309	3,309
29-Mar-22	Vanguard Investments Australia Ltd.	BUY	106.37	Ordinary	15,442	15,442
30-Mar-22	Vanguard Investments Australia Ltd.	BUY	107.07	Ordinary	5,484	5,484
31-Mar-22	Vanguard Investments Australia Ltd.	SELL	106.32	Ordinary	(30,000)	(30,000)
31-Mar-22	Vanguard Investments Australia Ltd.	SELL	105.82	Ordinary	(160,412)	(160,412)
31-Mar-22	Vanguard Investments Australia Ltd.	BUY	105.77	Ordinary	1,972	1,972
31-Mar-22	Vanguard Investments Australia Ltd.	BUY	105.77	Ordinary	1,972	1,972
31-Mar-22	Vanguard Investments Australia Ltd.	SELL	105.77	Ordinary	(453)	(453)
1-Apr-22	Vanguard Investments Australia Ltd.	BUY	104.53	Ordinary	3,944	3,944
1-Apr-22	Vanguard Investments Australia Ltd.	BUY	104.53	Ordinary	2,714	2,714
4-Apr-22	Vanguard Investments Australia Ltd.	BUY	103.72	Ordinary	16,772	16,772
4-Apr-22	Vanguard Investments Australia Ltd.	BUY	103.72	Ordinary	947	947
5-Apr-22	Vanguard Investments Australia Ltd.	BUY	104.36	Ordinary	16,980	16,980
5-Apr-22	Vanguard Investments Australia Ltd.	BUY	104.36	Ordinary	1,357	1,357
6-Apr-22	Vanguard Investments Australia Ltd.	BUY	105.71	Ordinary	4,071	4,071
7-Apr-22	Vanguard Investments Australia Ltd.	BUY	105.24	Ordinary	4,071	4,071
8-Apr-22	Vanguard Investments Australia Ltd.	BUY	105.38	Ordinary	2,714	2,714
8-Apr-22	Vanguard Investments Australia Ltd.	BUY	105.38	Ordinary	3,276	3,276
8-Apr-22	Vanguard Investments Australia Ltd.	BUY	105.38	Ordinary	4,368	4,368
11-Apr-22	Vanguard Investments Australia Ltd.	BUY	106.88	Ordinary	2,714	2,714
12-Apr-22	Vanguard Investments Australia Ltd.	BUY	106.71	Ordinary	2,716	2,716
13-Apr-22	Vanguard Investments Australia Ltd.	BUY	106.55	Ordinary	21,225	21,225
13-Apr-22	Vanguard Investments Australia Ltd.	BUY	106.55	Ordinary	3,572	3,572
14-Apr-22	Vanguard Investments Australia Ltd.	BUY	106.50	Ordinary	1,922	1,922
20-Apr-22	Vanguard Investments Australia Ltd.	BUY	107.24	Ordinary	2,716	2,716
21-Apr-22	Vanguard Investments Australia Ltd.	BUY	108.35	Ordinary	2,716	2,716
22-Apr-22	Vanguard Investments Australia Ltd.	BUY	105.37	Ordinary	14,140	14,140
22-Apr-22	Vanguard Investments Australia Ltd.	BUY	105.37	Ordinary	4,074	4,074
26-Apr-22	Vanguard Investments Australia Ltd.	BUY	104.75	Ordinary	127,260	127,260
26-Apr-22	Vanguard Investments Australia Ltd.	BUY	104.75	Ordinary	2,716	2,716
26-Apr-22	Vanguard Investments Australia Ltd.	BUY	104.75	Ordinary	1,856	1,856
27-Apr-22	Vanguard Investments Australia Ltd.	BUY	103.00	Ordinary	7,065	7,065
27-Apr-22	Vanguard Investments Australia Ltd.	BUY	103.00	Ordinary	1,922	1,922
27-Apr-22	Vanguard Investments Australia Ltd.	BUY	103.00	Ordinary	3,733	3,733
27-Apr-22	Vanguard Investments Australia Ltd.	BUY	103.00	Ordinary	4,074	4,074
27-Apr-22	Vanguard Investments Australia Ltd.	BUY	103.00	Ordinary	6,790	6,790
28-Apr-22	Vanguard Investments Australia Ltd.	BUY	103.23	Ordinary	14,130	14,130
29-Apr-22	Vanguard Investments Australia Ltd.	SELL	103.88	Ordinary	(156,530)	(156,530)
29-Apr-22	Vanguard Investments Australia Ltd.	BUY	103.88	Ordinary	5,432	5,432
3-May-22	Vanguard Investments Australia Ltd.	BUY	102.26	Ordinary	31,141	31,141
3-May-22	Vanguard Investments Australia Ltd.	BUY	102.26	Ordinary	11,024	11,024
3-May-22	Vanguard Investments Australia Ltd.	BUY	102.26	Ordinary	1,266	1,266
4-May-22	Vanguard Investments Australia Ltd.	BUY	102.98	Ordinary	7,065	7,065
4-May-22	Vanguard Investments Australia Ltd.	SELL	102.98	Ordinary	(8,326)	(8,326)
5-May-22	Vanguard Investments Australia Ltd.	BUY	103.71	Ordinary	21,195	21,195
5-May-22	Vanguard Investments Australia Ltd.	SELL	103.71	Ordinary	(15,499)	(15,499)
6-May-22	Vanguard Investments Australia Ltd.	BUY	102.40	Ordinary	5,432	5,432
9-May-22	Vanguard Investments Australia Ltd.	BUY	102.66	Ordinary	22,640	22,640
9-May-22	Vanguard Investments Australia Ltd.	BUY	102.66	Ordinary	4,245	4,245
9-May-22	Vanguard Investments Australia Ltd.	BUY	102.66	Ordinary	1,340	1,340
10-May-22	Vanguard Investments Australia Ltd.	BUY	101.70	Ordinary	14,140	14,140
10-May-22	Vanguard Investments Australia Ltd.	BUY	101.70	Ordinary	97,566	97,566
11-May-22	Vanguard Investments Australia Ltd.	BUY	101.51	Ordinary	5,448	5,448
16-May-22	Vanguard Investments Australia Ltd.	BUY	103.33	Ordinary	16,980	16,980
16-May-22	Vanguard Investments Australia Ltd.	BUY	103.33	Ordinary	7,075	7,075
16-May-22	Vanguard Investments Australia Ltd.	BUY	103.33	Ordinary	4,092	4,092
16-May-22	Vanguard Investments Australia Ltd.	BUY	103.33	Ordinary	719	719
18-May-22	Vanguard Investments Australia Ltd.	BUY	104.80	Ordinary	16,968	16,968
18-May-22	Vanguard Investments Australia Ltd.	BUY	104.80	Ordinary	2,728	2,728
18-May-22	Vanguard Investments Australia Ltd.	BUY	104.80	Ordinary	2,192	2,192
20-May-22	Vanguard Investments Australia Ltd.	BUY	104.60	Ordinary	16,980	16,980
20-May-22	Vanguard Investments Australia Ltd.	BUY	104.60	Ordinary	4,098	4,098

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-May-22	Vanguard Investments Australia Ltd.	BUY	104.50	Ordinary	1,097	1,097
24-May-22	Vanguard Investments Australia Ltd.	BUY	105.09	Ordinary	1,364	1,364
25-May-22	Vanguard Investments Australia Ltd.	BUY	106.17	Ordinary	1,365	1,365
26-May-22	Vanguard Investments Australia Ltd.	SELL	105.43	Ordinary	(14,366)	(14,366)
27-May-22	Vanguard Investments Australia Ltd.	BUY	106.63	Ordinary	1,933	1,933
30-May-22	Vanguard Investments Australia Ltd.	BUY	106.56	Ordinary	14,140	14,140
30-May-22	Vanguard Investments Australia Ltd.	SELL	106.56	Ordinary	(1,933)	(1,933)
30-May-22	Vanguard Investments Australia Ltd.	BUY	106.56	Ordinary	5,464	5,464
31-May-22	Vanguard Investments Australia Ltd.	BUY	104.36	Ordinary	2,472	2,472
31-May-22	Vanguard Investments Australia Ltd.	BUY	104.36	Ordinary	1,933	1,933
1-Jun-22	Vanguard Investments Australia Ltd.	BUY	106.71	Ordinary	3,291	3,291
1-Jun-22	Vanguard Investments Australia Ltd.	SELL	106.71	Ordinary	(14,066)	(14,066)
3-Jun-22	Vanguard Investments Australia Ltd.	BUY	105.20	Ordinary	16,968	16,968
3-Jun-22	Vanguard Investments Australia Ltd.	BUY	105.20	Ordinary	5,464	5,464
7-Jun-22	Vanguard Investments Australia Ltd.	BUY	101.96	Ordinary	80,655	80,655
8-Jun-22	Vanguard Investments Australia Ltd.	BUY	97.47	Ordinary	17,004	17,004
8-Jun-22	Vanguard Investments Australia Ltd.	BUY	97.47	Ordinary	2,732	2,732
8-Jun-22	Vanguard Investments Australia Ltd.	BUY	97.47	Ordinary	6,830	6,830
8-Jun-22	Vanguard Investments Australia Ltd.	SELL	97.47	Ordinary	(1,685)	(1,685)
9-Jun-22	Vanguard Investments Australia Ltd.	BUY	94.95	Ordinary	1,956	1,956
10-Jun-22	Vanguard Investments Australia Ltd.	BUY	93.78	Ordinary	28,360	28,360
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	91.20	Ordinary	11,344	11,344
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	91.20	Ordinary	7,090	7,090
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	91.20	Ordinary	21,270	21,270
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	91.20	Ordinary	5,464	5,464
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	91.20	Ordinary	4,098	4,098
15-Jun-22	Vanguard Investments Australia Ltd.	BUY	90.62	Ordinary	1,956	1,956
16-Jun-22	Vanguard Investments Australia Ltd.	BUY	90.47	Ordinary	1,374	1,374
16-Jun-22	Vanguard Investments Australia Ltd.	BUY	90.47	Ordinary	6,870	6,870
17-Jun-22	Vanguard Investments Australia Ltd.	BUY	87.26	Ordinary	131,267	131,267
17-Jun-22	Vanguard Investments Australia Ltd.	BUY	87.26	Ordinary	18,486	18,486
17-Jun-22	Vanguard Investments Australia Ltd.	BUY	87.26	Ordinary	4,122	4,122
17-Jun-22	Vanguard Investments Australia Ltd.	SELL	87.31	Ordinary	(333,373)	(333,373)
17-Jun-22	Vanguard Investments Australia Ltd.	SELL	87.31	Ordinary	(23,404)	(23,404)
22-Jun-22	Vanguard Investments Australia Ltd.	BUY	89.57	Ordinary	3,723	3,723
23-Jun-22	Vanguard Investments Australia Ltd.	BUY	89.75	Ordinary	14,260	14,260
23-Jun-22	Vanguard Investments Australia Ltd.	BUY	89.75	Ordinary	7,130	7,130
23-Jun-22	Vanguard Investments Australia Ltd.	BUY	89.75	Ordinary	9,982	9,982
23-Jun-22	Vanguard Investments Australia Ltd.	BUY	89.75	Ordinary	4,964	4,964
23-Jun-22	Vanguard Investments Australia Ltd.	SELL	89.75	Ordinary	(4,878)	(4,878)
24-Jun-22	Vanguard Investments Australia Ltd.	BUY	90.16	Ordinary	4,964	4,964
27-Jun-22	Vanguard Investments Australia Ltd.	BUY	93.74	Ordinary	9,982	9,982
27-Jun-22	Vanguard Investments Australia Ltd.	BUY	93.74	Ordinary	3,912	3,912
28-Jun-22	Vanguard Investments Australia Ltd.	BUY	93.54	Ordinary	7,120	7,120
28-Jun-22	Vanguard Investments Australia Ltd.	BUY	93.54	Ordinary	14,240	14,240
28-Jun-22	Vanguard Investments Australia Ltd.	BUY	93.54	Ordinary	11,392	11,392
28-Jun-22	Vanguard Investments Australia Ltd.	BUY	93.54	Ordinary	7,120	7,120
28-Jun-22	Vanguard Investments Australia Ltd.	BUY	93.54	Ordinary	6,205	6,205
29-Jun-22	Vanguard Investments Australia Ltd.	SELL	93.00	Ordinary	(4,281)	(4,281)
30-Jun-22	Vanguard Investments Australia Ltd.	SELL	90.38	Ordinary	(138,106)	(138,106)
30-Jun-22	Vanguard Investments Australia Ltd.	SELL	90.38	Ordinary	(5,151)	(5,151)
30-Jun-22	Vanguard Investments Australia Ltd.	SELL	90.38	Ordinary	(4,868)	(4,868)
1-Jul-22	Vanguard Investments Australia Ltd.	BUY	90.70	Ordinary	9,730	9,730
1-Jul-22	Vanguard Investments Australia Ltd.	BUY	90.70	Ordinary	13,900	13,900
1-Jul-22	Vanguard Investments Australia Ltd.	BUY	90.70	Ordinary	11,120	11,120
4-Jul-22	Vanguard Investments Australia Ltd.	BUY	91.45	Ordinary	13,890	13,890
4-Jul-22	Vanguard Investments Australia Ltd.	BUY	91.45	Ordinary	6,090	6,090
6-Jul-22	Vanguard Investments Australia Ltd.	BUY	92.00	Ordinary	6,090	6,090
7-Jul-22	Vanguard Investments Australia Ltd.	BUY	93.08	Ordinary	10,962	10,962
7-Jul-22	Vanguard Investments Australia Ltd.	BUY	93.08	Ordinary	3,153	3,153
8-Jul-22	Vanguard Investments Australia Ltd.	BUY	92.59	Ordinary	4,872	4,872
11-Jul-22	Vanguard Investments Australia Ltd.	BUY	92.55	Ordinary	13,900	13,900
13-Jul-22	Vanguard Investments Australia Ltd.	SELL	94.63	Ordinary	(46,188)	(46,188)
13-Jul-22	Vanguard Investments Australia Ltd.	BUY	94.63	Ordinary	6,090	6,090
14-Jul-22	Vanguard Investments Australia Ltd.	BUY	93.22	Ordinary	7,357	7,357
15-Jul-22	Vanguard Investments Australia Ltd.	BUY	93.27	Ordinary	9,723	9,723
15-Jul-22	Vanguard Investments Australia Ltd.	SELL	93.27	Ordinary	(18,057)	(18,057)
15-Jul-22	Vanguard Investments Australia Ltd.	BUY	93.27	Ordinary	1,896	1,896

Annexure 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
18-Jul-22	Vanguard Investments Australia Ltd.	BUY	94.24	Ordinary	6,090	6,090
20-Jul-22	Vanguard Investments Australia Ltd.	BUY	96.02	Ordinary	11,096	11,096
20-Jul-22	Vanguard Investments Australia Ltd.	BUY	96.02	Ordinary	27,740	27,740
20-Jul-22	Vanguard Investments Australia Ltd.	BUY	96.02	Ordinary	2,221	2,221
21-Jul-22	Vanguard Investments Australia Ltd.	BUY	97.62	Ordinary	47,032	47,032
21-Jul-22	Vanguard Investments Australia Ltd.	BUY	97.62	Ordinary	1,492	1,492
22-Jul-22	Vanguard Investments Australia Ltd.	BUY	97.80	Ordinary	20,835	20,835
22-Jul-22	Vanguard Investments Australia Ltd.	BUY	97.80	Ordinary	4,860	4,860

This is Annexure A of 9 pages referred to in Form 603, Notice of initial substantial holder.

Signature:



Name: Shawn Acker

Capacity: Compliance Manager

Date: 27 July 2022