

Form 604Corporations Act 2001
Section 671B**Notice of change of interests of substantial holder**

To Company Name/Scheme Afterpay Limited
 ACN/ARSN 618 280 649

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

There was a change in the interests of the substantial holder on 14 December 2021

The previous notice was given to the company on 19 April 2021

The previous notice was dated 19 April 2021

2. Previous and present 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 when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary	19,386,851	6.701%	15,799,562	5.443%

3. Changes in relevant interests

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

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected
See Annexure A					

4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
Vanguard Group	Brown Brothers Harriman	Various funds and other accounts of 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 – 665,241	665,241
Vanguard Group	BNY Mellon	Various funds and other accounts of 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 – 5,599,961	5,599,961
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of 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 – 7,487,177	7,487,177
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of 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 – 2,047,183	2,047,183

5. Changes in association

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

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


6. 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

Signature

print name Shawn Acker capacity Compliance Manager

sign here  date 16 December 2021

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 6 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 person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (6) Include details of:
 - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

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

- (7) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
- (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) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

To Company	Afterpay Limited
ACN/ARSN	618 280 649

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
15-Apr-21	The Vanguard Group, Inc.	BUY	129.44	Ordinary	170	170
15-Apr-21	The Vanguard Group, Inc.	BUY	129.44	Ordinary	852	852
15-Apr-21	The Vanguard Group, Inc.	BUY	127.30	Ordinary	14	14
15-Apr-21	The Vanguard Group, Inc.	BUY	127.00	Ordinary	509	509
15-Apr-21	The Vanguard Group, Inc.	BUY	127.00	Ordinary	389	389
15-Apr-21	The Vanguard Group, Inc.	SELL	127.30	Ordinary	(40)	(40)
15-Apr-21	The Vanguard Group, Inc.	BUY	127.00	Ordinary	41	41
16-Apr-21	The Vanguard Group, Inc.	BUY	127.39	Ordinary	15,752	15,752
16-Apr-21	The Vanguard Group, Inc.	BUY	127.39	Ordinary	312	312
16-Apr-21	The Vanguard Group, Inc.	BUY	127.39	Ordinary	7,754	7,754
19-Apr-21	The Vanguard Group, Inc.	BUY	125.99	Ordinary	131	131
19-Apr-21	The Vanguard Group, Inc.	BUY	125.59	Ordinary	680	680
19-Apr-21	The Vanguard Group, Inc.	BUY	127.19	Ordinary	2,823	2,823
19-Apr-21	The Vanguard Group, Inc.	BUY	125.59	Ordinary	2,480	2,480
19-Apr-21	The Vanguard Group, Inc.	BUY	125.99	Ordinary	2,132	2,132
19-Apr-21	The Vanguard Group, Inc.	BUY	125.59	Ordinary	138	138
19-Apr-21	The Vanguard Group, Inc.	BUY	126.20	Ordinary	85	85
19-Apr-21	The Vanguard Group, Inc.	BUY	126.20	Ordinary	9	9
19-Apr-21	The Vanguard Group, Inc.	BUY	125.99	Ordinary	8	8
19-Apr-21	The Vanguard Group, Inc.	BUY	126.20	Ordinary	250	250
19-Apr-21	The Vanguard Group, Inc.	SELL	126.20	Ordinary	(193)	(193)
20-Apr-21	The Vanguard Group, Inc.	BUY	125.42	Ordinary	5,306	5,306
20-Apr-21	The Vanguard Group, Inc.	BUY	125.42	Ordinary	86,568	86,568
20-Apr-21	The Vanguard Group, Inc.	BUY	125.42	Ordinary	314	314
21-Apr-21	The Vanguard Group, Inc.	BUY	122.02	Ordinary	3,881	3,881
21-Apr-21	The Vanguard Group, Inc.	BUY	121.93	Ordinary	11,006	11,006
21-Apr-21	The Vanguard Group, Inc.	BUY	121.82	Ordinary	294	294
21-Apr-21	The Vanguard Group, Inc.	BUY	122.02	Ordinary	63,322	63,322
21-Apr-21	The Vanguard Group, Inc.	BUY	121.93	Ordinary	179,575	179,575
21-Apr-21	The Vanguard Group, Inc.	SELL	120.98	Ordinary	(28)	(28)
21-Apr-21	The Vanguard Group, Inc.	BUY	121.82	Ordinary	80	80
21-Apr-21	The Vanguard Group, Inc.	BUY	121.82	Ordinary	2,127	2,127
21-Apr-21	The Vanguard Group, Inc.	BUY	121.82	Ordinary	683	683
21-Apr-21	The Vanguard Group, Inc.	BUY	121.93	Ordinary	651	651
21-Apr-21	The Vanguard Group, Inc.	BUY	122.02	Ordinary	230	230
22-Apr-21	The Vanguard Group, Inc.	BUY	122.36	Ordinary	4,652	4,652
22-Apr-21	The Vanguard Group, Inc.	BUY	123.71	Ordinary	340	340
22-Apr-21	The Vanguard Group, Inc.	BUY	122.36	Ordinary	75,899	75,899
22-Apr-21	The Vanguard Group, Inc.	BUY	123.71	Ordinary	138	138
22-Apr-21	The Vanguard Group, Inc.	BUY	122.36	Ordinary	275	275
22-Apr-21	The Vanguard Group, Inc.	BUY	125.03	Ordinary	21	21
23-Apr-21	The Vanguard Group, Inc.	BUY	123.69	Ordinary	4,417	4,417
23-Apr-21	The Vanguard Group, Inc.	BUY	123.69	Ordinary	72,074	72,074
23-Apr-21	The Vanguard Group, Inc.	BUY	123.56	Ordinary	7,066	7,066
23-Apr-21	The Vanguard Group, Inc.	BUY	123.56	Ordinary	1,217	1,217
23-Apr-21	The Vanguard Group, Inc.	BUY	123.69	Ordinary	262	262
26-Apr-21	The Vanguard Group, Inc.	BUY	123.63	Ordinary	5,956	5,956
26-Apr-21	The Vanguard Group, Inc.	BUY	123.03	Ordinary	852	852
26-Apr-21	The Vanguard Group, Inc.	BUY	123.63	Ordinary	97,176	97,176
26-Apr-21	The Vanguard Group, Inc.	BUY	125.00	Ordinary	4,139	4,139
26-Apr-21	The Vanguard Group, Inc.	BUY	122.75	Ordinary	10	10
26-Apr-21	The Vanguard Group, Inc.	BUY	123.62	Ordinary	353	353
27-Apr-21	The Vanguard Group, Inc.	BUY	120.31	Ordinary	9,685	9,685
27-Apr-21	The Vanguard Group, Inc.	BUY	122.08	Ordinary	189	189
27-Apr-21	The Vanguard Group, Inc.	BUY	120.31	Ordinary	158,036	158,036
27-Apr-21	The Vanguard Group, Inc.	BUY	122.08	Ordinary	3,085	3,085
27-Apr-21	The Vanguard Group, Inc.	BUY	115.79	Ordinary	600	600
27-Apr-21	The Vanguard Group, Inc.	BUY	122.08	Ordinary	11	11
27-Apr-21	The Vanguard Group, Inc.	BUY	120.31	Ordinary	573	573

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
27-Apr-21	The Vanguard Group, Inc.	SELL	115.96	Ordinary	(284)	(284)
27-Apr-21	The Vanguard Group, Inc.	BUY	122.94	Ordinary	43	43
28-Apr-21	The Vanguard Group, Inc.	BUY	116.39	Ordinary	648	648
28-Apr-21	The Vanguard Group, Inc.	BUY	116.39	Ordinary	500	500
28-Apr-21	The Vanguard Group, Inc.	BUY	115.87	Ordinary	1,763	1,763
28-Apr-21	The Vanguard Group, Inc.	BUY	116.42	Ordinary	368	368
28-Apr-21	The Vanguard Group, Inc.	SELL	116.43	Ordinary	(56)	(56)
29-Apr-21	The Vanguard Group, Inc.	BUY	120.42	Ordinary	750	750
29-Apr-21	The Vanguard Group, Inc.	BUY	120.50	Ordinary	237	237
29-Apr-21	The Vanguard Group, Inc.	SELL	117.77	Ordinary	(346)	(346)
29-Apr-21	The Vanguard Group, Inc.	SELL	117.77	Ordinary	(70)	(70)
30-Apr-21	The Vanguard Group, Inc.	BUY	117.65	Ordinary	342	342
30-Apr-21	The Vanguard Group, Inc.	BUY	117.65	Ordinary	454	454
3-May-21	The Vanguard Group, Inc.	BUY	114.00	Ordinary	1,092	1,092
3-May-21	The Vanguard Group, Inc.	BUY	114.00	Ordinary	11	11
4-May-21	The Vanguard Group, Inc.	BUY	110.08	Ordinary	600	600
4-May-21	The Vanguard Group, Inc.	BUY	110.08	Ordinary	850	850
5-May-21	The Vanguard Group, Inc.	BUY	106.65	Ordinary	2,480	2,480
5-May-21	The Vanguard Group, Inc.	BUY	106.65	Ordinary	6,087	6,087
6-May-21	The Vanguard Group, Inc.	BUY	105.10	Ordinary	4,691	4,691
6-May-21	The Vanguard Group, Inc.	BUY	100.48	Ordinary	207	207
6-May-21	The Vanguard Group, Inc.	BUY	100.48	Ordinary	138	138
6-May-21	The Vanguard Group, Inc.	SELL	105.09	Ordinary	(13)	(13)
6-May-21	The Vanguard Group, Inc.	BUY	99.50	Ordinary	170	170
6-May-21	The Vanguard Group, Inc.	BUY	99.50	Ordinary	82	82
7-May-21	The Vanguard Group, Inc.	BUY	96.13	Ordinary	486	486
7-May-21	The Vanguard Group, Inc.	BUY	96.13	Ordinary	2,106	2,106
7-May-21	The Vanguard Group, Inc.	BUY	96.13	Ordinary	852	852
7-May-21	The Vanguard Group, Inc.	BUY	96.13	Ordinary	1,750	1,750
7-May-21	The Vanguard Group, Inc.	BUY	96.13	Ordinary	138	138
7-May-21	The Vanguard Group, Inc.	SELL	95.38	Ordinary	(357)	(357)
10-May-21	The Vanguard Group, Inc.	BUY	95.79	Ordinary	1,743	1,743
10-May-21	The Vanguard Group, Inc.	BUY	97.50	Ordinary	26	26
10-May-21	The Vanguard Group, Inc.	BUY	97.50	Ordinary	323	323
12-May-21	The Vanguard Group, Inc.	BUY	87.31	Ordinary	348	348
12-May-21	The Vanguard Group, Inc.	BUY	91.80	Ordinary	55	55
13-May-21	The Vanguard Group, Inc.	SELL	85.65	Ordinary	(2,343)	(2,343)
14-May-21	The Vanguard Group, Inc.	BUY	87.71	Ordinary	552	552
14-May-21	The Vanguard Group, Inc.	BUY	86.35	Ordinary	1,288	1,288
14-May-21	The Vanguard Group, Inc.	BUY	86.35	Ordinary	2,564	2,564
17-May-21	The Vanguard Group, Inc.	BUY	86.34	Ordinary	648	648
17-May-21	The Vanguard Group, Inc.	BUY	86.46	Ordinary	82	82
17-May-21	The Vanguard Group, Inc.	BUY	86.46	Ordinary	406	406
18-May-21	The Vanguard Group, Inc.	BUY	84.91	Ordinary	486	486
18-May-21	The Vanguard Group, Inc.	BUY	84.91	Ordinary	243	243
18-May-21	The Vanguard Group, Inc.	BUY	84.91	Ordinary	138	138
18-May-21	The Vanguard Group, Inc.	BUY	86.52	Ordinary	92	92
18-May-21	The Vanguard Group, Inc.	BUY	86.52	Ordinary	1,673	1,673
18-May-21	The Vanguard Group, Inc.	BUY	86.52	Ordinary	19	19
19-May-21	The Vanguard Group, Inc.	BUY	84.53	Ordinary	4,137	4,137
19-May-21	The Vanguard Group, Inc.	BUY	86.80	Ordinary	4,000	4,000
19-May-21	The Vanguard Group, Inc.	BUY	86.80	Ordinary	1,500	1,500
19-May-21	The Vanguard Group, Inc.	BUY	86.47	Ordinary	138	138
20-May-21	The Vanguard Group, Inc.	BUY	94.41	Ordinary	700	700
20-May-21	The Vanguard Group, Inc.	BUY	93.10	Ordinary	314	314
24-May-21	The Vanguard Group, Inc.	BUY	92.83	Ordinary	1,120	1,120
24-May-21	The Vanguard Group, Inc.	SELL	93.71	Ordinary	(36)	(36)
24-May-21	The Vanguard Group, Inc.	BUY	91.89	Ordinary	83	83
25-May-21	The Vanguard Group, Inc.	BUY	92.99	Ordinary	3,476	3,476
26-May-21	The Vanguard Group, Inc.	BUY	93.44	Ordinary	648	648
27-May-21	The Vanguard Group, Inc.	BUY	94.93	Ordinary	391	391
27-May-21	The Vanguard Group, Inc.	BUY	94.93	Ordinary	4,409	4,409
1-Jun-21	The Vanguard Group, Inc.	BUY	92.77	Ordinary	138	138
1-Jun-21	The Vanguard Group, Inc.	BUY	93.00	Ordinary	415	415
2-Jun-21	The Vanguard Group, Inc.	SELL	92.19	Ordinary	(920)	(920)
2-Jun-21	The Vanguard Group, Inc.	BUY	92.16	Ordinary	4,134	4,134

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-Jun-21	The Vanguard Group, Inc.	BUY	93.35	Ordinary	911	911
2-Jun-21	The Vanguard Group, Inc.	BUY	93.35	Ordinary	555	555
3-Jun-21	The Vanguard Group, Inc.	BUY	94.92	Ordinary	1,750	1,750
3-Jun-21	The Vanguard Group, Inc.	BUY	94.92	Ordinary	138	138
3-Jun-21	The Vanguard Group, Inc.	BUY	95.25	Ordinary	510	510
3-Jun-21	The Vanguard Group, Inc.	BUY	95.25	Ordinary	489	489
3-Jun-21	The Vanguard Group, Inc.	BUY	93.00	Ordinary	62	62
8-Jun-21	The Vanguard Group, Inc.	BUY	97.20	Ordinary	341	341
8-Jun-21	The Vanguard Group, Inc.	BUY	96.46	Ordinary	460	460
8-Jun-21	The Vanguard Group, Inc.	SELL	96.44	Ordinary	(465)	(465)
10-Jun-21	The Vanguard Group, Inc.	BUY	99.85	Ordinary	779	779
11-Jun-21	The Vanguard Group, Inc.	BUY	101.85	Ordinary	667	667
15-Jun-21	The Vanguard Group, Inc.	BUY	105.25	Ordinary	276	276
16-Jun-21	The Vanguard Group, Inc.	BUY	104.68	Ordinary	1,000	1,000
17-Jun-21	The Vanguard Group, Inc.	BUY	108.32	Ordinary	174	174
17-Jun-21	The Vanguard Group, Inc.	BUY	108.32	Ordinary	2,500	2,500
18-Jun-21	The Vanguard Group, Inc.	BUY	114.36	Ordinary	3,072	3,072
18-Jun-21	The Vanguard Group, Inc.	BUY	114.36	Ordinary	17,062	17,062
18-Jun-21	The Vanguard Group, Inc.	BUY	114.36	Ordinary	8,528	8,528
18-Jun-21	The Vanguard Group, Inc.	BUY	114.36	Ordinary	5,311	5,311
18-Jun-21	The Vanguard Group, Inc.	BUY	114.36	Ordinary	1,018	1,018
18-Jun-21	The Vanguard Group, Inc.	BUY	114.36	Ordinary	21	21
18-Jun-21	The Vanguard Group, Inc.	SELL	114.40	Ordinary	(250)	(250)
21-Jun-21	The Vanguard Group, Inc.	BUY	113.54	Ordinary	384	384
22-Jun-21	The Vanguard Group, Inc.	BUY	120.02	Ordinary	276	276
22-Jun-21	The Vanguard Group, Inc.	BUY	120.02	Ordinary	736	736
22-Jun-21	The Vanguard Group, Inc.	BUY	120.02	Ordinary	1,512	1,512
22-Jun-21	The Vanguard Group, Inc.	BUY	118.07	Ordinary	11,606	11,606
22-Jun-21	The Vanguard Group, Inc.	BUY	119.12	Ordinary	322	322
23-Jun-21	The Vanguard Group, Inc.	BUY	122.32	Ordinary	267	267
23-Jun-21	The Vanguard Group, Inc.	BUY	122.32	Ordinary	130	130
23-Jun-21	The Vanguard Group, Inc.	BUY	119.20	Ordinary	268	268
24-Jun-21	The Vanguard Group, Inc.	BUY	131.38	Ordinary	2,016	2,016
24-Jun-21	The Vanguard Group, Inc.	BUY	130.50	Ordinary	375	375
25-Jun-21	The Vanguard Group, Inc.	SELL	130.53	Ordinary	(435,997)	(435,997)
25-Jun-21	The Vanguard Group, Inc.	BUY	130.77	Ordinary	14,388	14,388
28-Jun-21	The Vanguard Group, Inc.	SELL	120.58	Ordinary	(135,280)	(135,280)
28-Jun-21	The Vanguard Group, Inc.	BUY	129.00	Ordinary	2,023	2,023
29-Jun-21	The Vanguard Group, Inc.	SELL	120.36	Ordinary	(223,217)	(223,217)
29-Jun-21	The Vanguard Group, Inc.	BUY	120.60	Ordinary	189	189
29-Jun-21	The Vanguard Group, Inc.	BUY	120.47	Ordinary	96	96
30-Jun-21	The Vanguard Group, Inc.	BUY	118.35	Ordinary	1,265	1,265
30-Jun-21	The Vanguard Group, Inc.	BUY	118.35	Ordinary	650	650
1-Jul-21	The Vanguard Group, Inc.	BUY	119.67	Ordinary	2,277	2,277
1-Jul-21	The Vanguard Group, Inc.	BUY	116.87	Ordinary	5,353	5,353
1-Jul-21	The Vanguard Group, Inc.	BUY	119.67	Ordinary	126	126
1-Jul-21	The Vanguard Group, Inc.	BUY	116.87	Ordinary	4,384	4,384
1-Jul-21	The Vanguard Group, Inc.	SELL	116.13	Ordinary	(603)	(603)
1-Jul-21	The Vanguard Group, Inc.	BUY	116.87	Ordinary	123	123
2-Jul-21	The Vanguard Group, Inc.	BUY	119.51	Ordinary	500	500
2-Jul-21	The Vanguard Group, Inc.	BUY	119.51	Ordinary	189	189
2-Jul-21	The Vanguard Group, Inc.	BUY	118.01	Ordinary	2,256	2,256
2-Jul-21	The Vanguard Group, Inc.	BUY	118.29	Ordinary	178	178
2-Jul-21	The Vanguard Group, Inc.	BUY	118.29	Ordinary	272	272
2-Jul-21	The Vanguard Group, Inc.	BUY	118.29	Ordinary	3,049	3,049
5-Jul-21	The Vanguard Group, Inc.	BUY	116.00	Ordinary	420	420
5-Jul-21	The Vanguard Group, Inc.	BUY	116.00	Ordinary	6,231	6,231
6-Jul-21	The Vanguard Group, Inc.	BUY	114.56	Ordinary	1,518	1,518
6-Jul-21	The Vanguard Group, Inc.	BUY	114.79	Ordinary	2,257	2,257
6-Jul-21	The Vanguard Group, Inc.	SELL	114.79	Ordinary	(12,824)	(12,824)
6-Jul-21	The Vanguard Group, Inc.	BUY	114.79	Ordinary	38	38
7-Jul-21	The Vanguard Group, Inc.	BUY	115.93	Ordinary	2,600	2,600
7-Jul-21	The Vanguard Group, Inc.	BUY	115.93	Ordinary	4,579	4,579
7-Jul-21	The Vanguard Group, Inc.	BUY	115.93	Ordinary	2,290	2,290
7-Jul-21	The Vanguard Group, Inc.	BUY	120.01	Ordinary	178	178
7-Jul-21	The Vanguard Group, Inc.	BUY	120.01	Ordinary	232	232

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
8-Jul-21	The Vanguard Group, Inc.	BUY	122.87	Ordinary	500	500
8-Jul-21	The Vanguard Group, Inc.	BUY	121.49	Ordinary	5,205	5,205
8-Jul-21	The Vanguard Group, Inc.	BUY	121.49	Ordinary	2,323	2,323
8-Jul-21	The Vanguard Group, Inc.	BUY	123.65	Ordinary	64	64
8-Jul-21	The Vanguard Group, Inc.	BUY	121.49	Ordinary	67	67
9-Jul-21	The Vanguard Group, Inc.	BUY	119.54	Ordinary	1,458	1,458
9-Jul-21	The Vanguard Group, Inc.	BUY	119.54	Ordinary	3,915	3,915
9-Jul-21	The Vanguard Group, Inc.	BUY	119.54	Ordinary	2,024	2,024
9-Jul-21	The Vanguard Group, Inc.	BUY	120.09	Ordinary	6,285	6,285
9-Jul-21	The Vanguard Group, Inc.	BUY	119.54	Ordinary	1,250	1,250
9-Jul-21	The Vanguard Group, Inc.	BUY	119.54	Ordinary	1,750	1,750
9-Jul-21	The Vanguard Group, Inc.	BUY	119.54	Ordinary	800	800
9-Jul-21	The Vanguard Group, Inc.	BUY	117.51	Ordinary	4,885	4,885
12-Jul-21	The Vanguard Group, Inc.	BUY	119.58	Ordinary	609	609
12-Jul-21	The Vanguard Group, Inc.	BUY	118.75	Ordinary	5,870	5,870
13-Jul-21	The Vanguard Group, Inc.	BUY	118.00	Ordinary	3,289	3,289
14-Jul-21	The Vanguard Group, Inc.	BUY	107.00	Ordinary	4,501	4,501
14-Jul-21	The Vanguard Group, Inc.	BUY	107.00	Ordinary	91	91
14-Jul-21	The Vanguard Group, Inc.	BUY	107.00	Ordinary	182	182
15-Jul-21	The Vanguard Group, Inc.	BUY	104.19	Ordinary	126	126
15-Jul-21	The Vanguard Group, Inc.	BUY	104.19	Ordinary	189	189
15-Jul-21	The Vanguard Group, Inc.	BUY	104.56	Ordinary	485	485
15-Jul-21	The Vanguard Group, Inc.	BUY	104.56	Ordinary	2,718	2,718
15-Jul-21	The Vanguard Group, Inc.	BUY	104.56	Ordinary	46	46
15-Jul-21	The Vanguard Group, Inc.	SELL	104.56	Ordinary	(809)	(809)
16-Jul-21	The Vanguard Group, Inc.	BUY	103.45	Ordinary	3,708	3,708
19-Jul-21	The Vanguard Group, Inc.	BUY	104.90	Ordinary	91	91
20-Jul-21	The Vanguard Group, Inc.	BUY	106.62	Ordinary	90	90
21-Jul-21	The Vanguard Group, Inc.	BUY	107.66	Ordinary	648	648
21-Jul-21	The Vanguard Group, Inc.	BUY	107.66	Ordinary	3,036	3,036
21-Jul-21	The Vanguard Group, Inc.	BUY	108.58	Ordinary	6,507	6,507
21-Jul-21	The Vanguard Group, Inc.	BUY	107.66	Ordinary	750	750
21-Jul-21	The Vanguard Group, Inc.	BUY	106.21	Ordinary	89	89
22-Jul-21	The Vanguard Group, Inc.	BUY	105.96	Ordinary	498	498
22-Jul-21	The Vanguard Group, Inc.	SELL	105.96	Ordinary	(1,070)	(1,070)
22-Jul-21	The Vanguard Group, Inc.	BUY	105.96	Ordinary	189	189
22-Jul-21	The Vanguard Group, Inc.	BUY	105.84	Ordinary	716	716
22-Jul-21	The Vanguard Group, Inc.	SELL	105.84	Ordinary	(954)	(954)
23-Jul-21	The Vanguard Group, Inc.	BUY	106.70	Ordinary	301	301
26-Jul-21	The Vanguard Group, Inc.	BUY	105.30	Ordinary	4,284	4,284
26-Jul-21	The Vanguard Group, Inc.	BUY	105.30	Ordinary	124	124
26-Jul-21	The Vanguard Group, Inc.	BUY	104.43	Ordinary	333	333
27-Jul-21	The Vanguard Group, Inc.	BUY	102.29	Ordinary	332	332
27-Jul-21	The Vanguard Group, Inc.	BUY	103.28	Ordinary	4,028	4,028
27-Jul-21	The Vanguard Group, Inc.	BUY	102.70	Ordinary	345	345
27-Jul-21	The Vanguard Group, Inc.	BUY	103.28	Ordinary	96	96
28-Jul-21	The Vanguard Group, Inc.	BUY	99.19	Ordinary	2,158	2,158
28-Jul-21	The Vanguard Group, Inc.	BUY	99.19	Ordinary	500	500
28-Jul-21	The Vanguard Group, Inc.	BUY	99.19	Ordinary	500	500
28-Jul-21	The Vanguard Group, Inc.	BUY	99.00	Ordinary	1,260	1,260
29-Jul-21	The Vanguard Group, Inc.	BUY	102.46	Ordinary	1,712	1,712
29-Jul-21	The Vanguard Group, Inc.	BUY	100.58	Ordinary	8,458	8,458
29-Jul-21	The Vanguard Group, Inc.	SELL	99.80	Ordinary	(78)	(78)
29-Jul-21	The Vanguard Group, Inc.	BUY	100.58	Ordinary	3,180	3,180
29-Jul-21	The Vanguard Group, Inc.	SELL	102.05	Ordinary	(884)	(884)
30-Jul-21	The Vanguard Group, Inc.	BUY	96.86	Ordinary	750	750
30-Jul-21	The Vanguard Group, Inc.	BUY	96.86	Ordinary	186	186
30-Jul-21	The Vanguard Group, Inc.	BUY	96.66	Ordinary	420	420
30-Jul-21	The Vanguard Group, Inc.	BUY	96.66	Ordinary	1,966	1,966
2-Aug-21	The Vanguard Group, Inc.	BUY	113.10	Ordinary	1,070	1,070
2-Aug-21	The Vanguard Group, Inc.	BUY	114.80	Ordinary	4,083	4,083
3-Aug-21	The Vanguard Group, Inc.	BUY	128.65	Ordinary	124	124
3-Aug-21	The Vanguard Group, Inc.	BUY	127.85	Ordinary	91	91
3-Aug-21	The Vanguard Group, Inc.	BUY	127.85	Ordinary	1,859	1,859
4-Aug-21	The Vanguard Group, Inc.	BUY	126.67	Ordinary	86	86
5-Aug-21	The Vanguard Group, Inc.	BUY	126.00	Ordinary	2,121	2,121

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5-Aug-21	The Vanguard Group, Inc.	SELL	125.26	Ordinary	(504)	(504)
5-Aug-21	The Vanguard Group, Inc.	BUY	125.26	Ordinary	297	297
5-Aug-21	The Vanguard Group, Inc.	BUY	126.00	Ordinary	2,438	2,438
6-Aug-21	The Vanguard Group, Inc.	SELL	132.15	Ordinary	(840)	(840)
9-Aug-21	The Vanguard Group, Inc.	BUY	131.50	Ordinary	3,019	3,019
9-Aug-21	The Vanguard Group, Inc.	BUY	130.05	Ordinary	602	602
10-Aug-21	The Vanguard Group, Inc.	BUY	130.94	Ordinary	434	434
10-Aug-21	The Vanguard Group, Inc.	BUY	134.27	Ordinary	2,058	2,058
11-Aug-21	The Vanguard Group, Inc.	BUY	130.93	Ordinary	486	486
11-Aug-21	The Vanguard Group, Inc.	BUY	130.93	Ordinary	124	124
11-Aug-21	The Vanguard Group, Inc.	BUY	133.19	Ordinary	344	344
12-Aug-21	The Vanguard Group, Inc.	BUY	131.54	Ordinary	299	299
12-Aug-21	The Vanguard Group, Inc.	BUY	130.28	Ordinary	449	449
13-Aug-21	The Vanguard Group, Inc.	BUY	131.15	Ordinary	800	800
13-Aug-21	The Vanguard Group, Inc.	BUY	131.15	Ordinary	1,250	1,250
13-Aug-21	The Vanguard Group, Inc.	BUY	131.15	Ordinary	600	600
13-Aug-21	The Vanguard Group, Inc.	BUY	131.15	Ordinary	900	900
16-Aug-21	The Vanguard Group, Inc.	BUY	130.32	Ordinary	996	996
16-Aug-21	The Vanguard Group, Inc.	BUY	130.32	Ordinary	2,490	2,490
17-Aug-21	The Vanguard Group, Inc.	BUY	131.43	Ordinary	1,981	1,981
18-Aug-21	The Vanguard Group, Inc.	BUY	129.17	Ordinary	1,650	1,650
18-Aug-21	The Vanguard Group, Inc.	BUY	129.17	Ordinary	248	248
18-Aug-21	The Vanguard Group, Inc.	BUY	130.61	Ordinary	2,156	2,156
18-Aug-21	The Vanguard Group, Inc.	BUY	130.61	Ordinary	2,493	2,493
18-Aug-21	The Vanguard Group, Inc.	BUY	130.51	Ordinary	1,231	1,231
19-Aug-21	The Vanguard Group, Inc.	BUY	131.91	Ordinary	2,150	2,150
19-Aug-21	The Vanguard Group, Inc.	BUY	131.91	Ordinary	186	186
19-Aug-21	The Vanguard Group, Inc.	BUY	130.60	Ordinary	168	168
20-Aug-21	The Vanguard Group, Inc.	BUY	133.70	Ordinary	1,245	1,245
20-Aug-21	The Vanguard Group, Inc.	BUY	131.30	Ordinary	4,930	4,930
20-Aug-21	The Vanguard Group, Inc.	BUY	129.50	Ordinary	2,362	2,362
23-Aug-21	The Vanguard Group, Inc.	BUY	135.99	Ordinary	486	486
23-Aug-21	The Vanguard Group, Inc.	BUY	135.99	Ordinary	996	996
23-Aug-21	The Vanguard Group, Inc.	BUY	135.99	Ordinary	1,494	1,494
23-Aug-21	The Vanguard Group, Inc.	BUY	135.99	Ordinary	860	860
23-Aug-21	The Vanguard Group, Inc.	BUY	135.99	Ordinary	1,290	1,290
23-Aug-21	The Vanguard Group, Inc.	BUY	135.99	Ordinary	750	750
23-Aug-21	The Vanguard Group, Inc.	BUY	135.99	Ordinary	750	750
23-Aug-21	The Vanguard Group, Inc.	BUY	132.00	Ordinary	4,280	4,280
23-Aug-21	The Vanguard Group, Inc.	BUY	135.99	Ordinary	124	124
23-Aug-21	The Vanguard Group, Inc.	BUY	133.00	Ordinary	3,210	3,210
24-Aug-21	The Vanguard Group, Inc.	BUY	135.00	Ordinary	4,335	4,335
24-Aug-21	The Vanguard Group, Inc.	BUY	135.10	Ordinary	285	285
25-Aug-21	The Vanguard Group, Inc.	BUY	133.93	Ordinary	600	600
25-Aug-21	The Vanguard Group, Inc.	SELL	135.00	Ordinary	(61)	(61)
25-Aug-21	The Vanguard Group, Inc.	BUY	135.00	Ordinary	108	108
26-Aug-21	The Vanguard Group, Inc.	BUY	132.30	Ordinary	6,073	6,073
26-Aug-21	The Vanguard Group, Inc.	BUY	132.30	Ordinary	2,149	2,149
27-Aug-21	The Vanguard Group, Inc.	BUY	132.95	Ordinary	486	486
27-Aug-21	The Vanguard Group, Inc.	BUY	132.95	Ordinary	810	810
27-Aug-21	The Vanguard Group, Inc.	BUY	132.95	Ordinary	996	996
27-Aug-21	The Vanguard Group, Inc.	BUY	131.11	Ordinary	4,125	4,125
27-Aug-21	The Vanguard Group, Inc.	BUY	132.95	Ordinary	750	750
27-Aug-21	The Vanguard Group, Inc.	BUY	131.11	Ordinary	2,062	2,062
27-Aug-21	The Vanguard Group, Inc.	BUY	130.35	Ordinary	238	238
30-Aug-21	The Vanguard Group, Inc.	BUY	132.24	Ordinary	4,175	4,175
31-Aug-21	The Vanguard Group, Inc.	SELL	134.65	Ordinary	(4,814)	(4,814)
1-Sep-21	The Vanguard Group, Inc.	BUY	133.29	Ordinary	4,142	4,142
1-Sep-21	The Vanguard Group, Inc.	BUY	133.29	Ordinary	3,847	3,847
1-Sep-21	The Vanguard Group, Inc.	BUY	133.30	Ordinary	2,171	2,171
2-Sep-21	The Vanguard Group, Inc.	BUY	133.00	Ordinary	2,033	2,033
2-Sep-21	The Vanguard Group, Inc.	BUY	134.43	Ordinary	1,098	1,098
3-Sep-21	The Vanguard Group, Inc.	BUY	132.04	Ordinary	304	304
3-Sep-21	The Vanguard Group, Inc.	BUY	132.04	Ordinary	124	124
7-Sep-21	The Vanguard Group, Inc.	BUY	132.70	Ordinary	1,982	1,982
8-Sep-21	The Vanguard Group, Inc.	BUY	130.60	Ordinary	2,037	2,037

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10-Sep-21	The Vanguard Group, Inc.	BUY	126.46	Ordinary	1,968	1,968
13-Sep-21	The Vanguard Group, Inc.	SELL	123.89	Ordinary	(1,269)	(1,269)
15-Sep-21	The Vanguard Group, Inc.	BUY	124.47	Ordinary	186	186
15-Sep-21	The Vanguard Group, Inc.	BUY	124.47	Ordinary	248	248
17-Sep-21	The Vanguard Group, Inc.	SELL	128.38	Ordinary	(2,445)	(2,445)
17-Sep-21	The Vanguard Group, Inc.	SELL	128.38	Ordinary	(3,075)	(3,075)
17-Sep-21	The Vanguard Group, Inc.	SELL	128.38	Ordinary	(7,722)	(7,722)
17-Sep-21	The Vanguard Group, Inc.	SELL	128.38	Ordinary	(20,407)	(20,407)
17-Sep-21	The Vanguard Group, Inc.	BUY	127.38	Ordinary	186	186
17-Sep-21	The Vanguard Group, Inc.	SELL	128.38	Ordinary	(5,426)	(5,426)
17-Sep-21	The Vanguard Group, Inc.	SELL	128.38	Ordinary	(558)	(558)
17-Sep-21	The Vanguard Group, Inc.	SELL	128.38	Ordinary	(833)	(833)
17-Sep-21	The Vanguard Group, Inc.	BUY	128.17	Ordinary	334	334
17-Sep-21	The Vanguard Group, Inc.	SELL	128.38	Ordinary	(1,922)	(1,922)
17-Sep-21	The Vanguard Group, Inc.	BUY	128.17	Ordinary	513	513
17-Sep-21	The Vanguard Group, Inc.	BUY	128.17	Ordinary	27	27
20-Sep-21	The Vanguard Group, Inc.	BUY	127.19	Ordinary	86	86
20-Sep-21	The Vanguard Group, Inc.	BUY	127.19	Ordinary	131	131
20-Sep-21	The Vanguard Group, Inc.	BUY	127.19	Ordinary	6	6
21-Sep-21	The Vanguard Group, Inc.	BUY	126.71	Ordinary	162	162
23-Sep-21	The Vanguard Group, Inc.	BUY	134.89	Ordinary	1,482	1,482
23-Sep-21	The Vanguard Group, Inc.	BUY	131.54	Ordinary	80	80
24-Sep-21	The Vanguard Group, Inc.	BUY	132.33	Ordinary	260	260
24-Sep-21	The Vanguard Group, Inc.	BUY	132.11	Ordinary	4,409	4,409
24-Sep-21	The Vanguard Group, Inc.	BUY	132.11	Ordinary	168	168
24-Sep-21	The Vanguard Group, Inc.	BUY	132.11	Ordinary	4,077	4,077
24-Sep-21	The Vanguard Group, Inc.	SELL	132.88	Ordinary	(35)	(35)
24-Sep-21	The Vanguard Group, Inc.	BUY	132.88	Ordinary	92	92
27-Sep-21	The Vanguard Group, Inc.	BUY	129.07	Ordinary	195	195
28-Sep-21	The Vanguard Group, Inc.	BUY	122.01	Ordinary	292	292
28-Sep-21	The Vanguard Group, Inc.	BUY	127.23	Ordinary	4,178	4,178
28-Sep-21	The Vanguard Group, Inc.	BUY	129.21	Ordinary	2,089	2,089
28-Sep-21	The Vanguard Group, Inc.	SELL	127.23	Ordinary	(36)	(36)
29-Sep-21	The Vanguard Group, Inc.	BUY	119.93	Ordinary	370	370
29-Sep-21	The Vanguard Group, Inc.	BUY	124.00	Ordinary	5,049	5,049
29-Sep-21	The Vanguard Group, Inc.	BUY	121.92	Ordinary	204	204
30-Sep-21	The Vanguard Group, Inc.	BUY	121.00	Ordinary	3,421	3,421
30-Sep-21	The Vanguard Group, Inc.	BUY	120.17	Ordinary	3,952	3,952
30-Sep-21	The Vanguard Group, Inc.	BUY	121.32	Ordinary	6,191	6,191
30-Sep-21	The Vanguard Group, Inc.	BUY	121.32	Ordinary	3,801	3,801
1-Oct-21	The Vanguard Group, Inc.	BUY	121.62	Ordinary	486	486
1-Oct-21	The Vanguard Group, Inc.	BUY	118.82	Ordinary	5,336	5,336
4-Oct-21	The Vanguard Group, Inc.	BUY	120.93	Ordinary	2,608	2,608
4-Oct-21	The Vanguard Group, Inc.	BUY	119.60	Ordinary	172	172
4-Oct-21	The Vanguard Group, Inc.	BUY	119.60	Ordinary	3,634	3,634
4-Oct-21	The Vanguard Group, Inc.	BUY	120.46	Ordinary	1,055	1,055
5-Oct-21	The Vanguard Group, Inc.	BUY	114.30	Ordinary	4,639	4,639
5-Oct-21	The Vanguard Group, Inc.	BUY	118.12	Ordinary	189	189
5-Oct-21	The Vanguard Group, Inc.	BUY	113.60	Ordinary	82	82
5-Oct-21	The Vanguard Group, Inc.	SELL	113.60	Ordinary	(7,247)	(7,247)
5-Oct-21	The Vanguard Group, Inc.	BUY	113.60	Ordinary	232	232
6-Oct-21	The Vanguard Group, Inc.	BUY	120.49	Ordinary	126	126
6-Oct-21	The Vanguard Group, Inc.	SELL	119.01	Ordinary	(91)	(91)
7-Oct-21	The Vanguard Group, Inc.	BUY	124.36	Ordinary	252	252
7-Oct-21	The Vanguard Group, Inc.	SELL	120.63	Ordinary	(1,574)	(1,574)
8-Oct-21	The Vanguard Group, Inc.	BUY	119.39	Ordinary	518	518
8-Oct-21	The Vanguard Group, Inc.	BUY	119.39	Ordinary	1,482	1,482
8-Oct-21	The Vanguard Group, Inc.	BUY	119.39	Ordinary	315	315
11-Oct-21	The Vanguard Group, Inc.	BUY	115.54	Ordinary	636	636
11-Oct-21	The Vanguard Group, Inc.	BUY	117.87	Ordinary	81	81
12-Oct-21	The Vanguard Group, Inc.	BUY	117.34	Ordinary	222	222
12-Oct-21	The Vanguard Group, Inc.	BUY	115.32	Ordinary	783	783
12-Oct-21	The Vanguard Group, Inc.	BUY	117.34	Ordinary	189	189
12-Oct-21	The Vanguard Group, Inc.	BUY	115.32	Ordinary	3,145	3,145
12-Oct-21	The Vanguard Group, Inc.	BUY	115.32	Ordinary	22	22
13-Oct-21	The Vanguard Group, Inc.	BUY	118.91	Ordinary	636	636

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13-Oct-21	The Vanguard Group, Inc.	BUY	118.91	Ordinary	988	988
13-Oct-21	The Vanguard Group, Inc.	BUY	118.91	Ordinary	1,976	1,976
13-Oct-21	The Vanguard Group, Inc.	BUY	118.91	Ordinary	750	750
13-Oct-21	The Vanguard Group, Inc.	BUY	118.91	Ordinary	252	252
13-Oct-21	The Vanguard Group, Inc.	BUY	117.70	Ordinary	109	109
15-Oct-21	The Vanguard Group, Inc.	BUY	122.50	Ordinary	477	477
15-Oct-21	The Vanguard Group, Inc.	SELL	122.24	Ordinary	(35)	(35)
19-Oct-21	The Vanguard Group, Inc.	BUY	125.15	Ordinary	750	750
19-Oct-21	The Vanguard Group, Inc.	BUY	125.15	Ordinary	189	189
19-Oct-21	The Vanguard Group, Inc.	BUY	124.30	Ordinary	53	53
20-Oct-21	The Vanguard Group, Inc.	BUY	126.25	Ordinary	264	264
20-Oct-21	The Vanguard Group, Inc.	BUY	126.25	Ordinary	246	246
22-Oct-21	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(1,250)	(1,250)
25-Oct-21	The Vanguard Group, Inc.	BUY	126.84	Ordinary	1,482	1,482
25-Oct-21	The Vanguard Group, Inc.	BUY	122.60	Ordinary	86	86
26-Oct-21	The Vanguard Group, Inc.	BUY	126.64	Ordinary	2,714	2,714
26-Oct-21	The Vanguard Group, Inc.	BUY	127.78	Ordinary	189	189
26-Oct-21	The Vanguard Group, Inc.	BUY	126.57	Ordinary	2,765	2,765
27-Oct-21	The Vanguard Group, Inc.	BUY	123.08	Ordinary	550	550
27-Oct-21	The Vanguard Group, Inc.	BUY	123.08	Ordinary	1,000	1,000
27-Oct-21	The Vanguard Group, Inc.	BUY	123.08	Ordinary	189	189
27-Oct-21	The Vanguard Group, Inc.	SELL	127.01	Ordinary	(55)	(55)
27-Oct-21	The Vanguard Group, Inc.	BUY	127.01	Ordinary	119	119
28-Oct-21	The Vanguard Group, Inc.	BUY	126.05	Ordinary	450	450
29-Oct-21	The Vanguard Group, Inc.	SELL	123.15	Ordinary	(1,060)	(1,060)
29-Oct-21	The Vanguard Group, Inc.	BUY	123.15	Ordinary	252	252
29-Oct-21	The Vanguard Group, Inc.	BUY	123.29	Ordinary	255	255
1-Nov-21	The Vanguard Group, Inc.	BUY	123.30	Ordinary	2,446	2,446
1-Nov-21	The Vanguard Group, Inc.	BUY	122.69	Ordinary	1,482	1,482
1-Nov-21	The Vanguard Group, Inc.	BUY	122.69	Ordinary	988	988
1-Nov-21	The Vanguard Group, Inc.	BUY	122.69	Ordinary	750	750
1-Nov-21	The Vanguard Group, Inc.	BUY	123.30	Ordinary	493	493
3-Nov-21	The Vanguard Group, Inc.	BUY	122.71	Ordinary	370	370
3-Nov-21	The Vanguard Group, Inc.	BUY	122.71	Ordinary	1,235	1,235
3-Nov-21	The Vanguard Group, Inc.	BUY	121.41	Ordinary	2,718	2,718
3-Nov-21	The Vanguard Group, Inc.	BUY	121.53	Ordinary	352	352
3-Nov-21	The Vanguard Group, Inc.	BUY	121.53	Ordinary	827	827
4-Nov-21	The Vanguard Group, Inc.	BUY	122.13	Ordinary	504	504
5-Nov-21	The Vanguard Group, Inc.	BUY	118.49	Ordinary	4,749	4,749
5-Nov-21	The Vanguard Group, Inc.	BUY	117.27	Ordinary	800	800
5-Nov-21	The Vanguard Group, Inc.	BUY	117.27	Ordinary	126	126
5-Nov-21	The Vanguard Group, Inc.	BUY	118.49	Ordinary	3,962	3,962
8-Nov-21	The Vanguard Group, Inc.	BUY	116.16	Ordinary	370	370
8-Nov-21	The Vanguard Group, Inc.	BUY	116.16	Ordinary	1,482	1,482
8-Nov-21	The Vanguard Group, Inc.	BUY	116.16	Ordinary	2,717	2,717
8-Nov-21	The Vanguard Group, Inc.	BUY	116.16	Ordinary	750	750
8-Nov-21	The Vanguard Group, Inc.	BUY	116.16	Ordinary	315	315
8-Nov-21	The Vanguard Group, Inc.	BUY	116.16	Ordinary	315	315
8-Nov-21	The Vanguard Group, Inc.	BUY	116.16	Ordinary	189	189
9-Nov-21	The Vanguard Group, Inc.	BUY	117.69	Ordinary	3,144	3,144
9-Nov-21	The Vanguard Group, Inc.	BUY	119.52	Ordinary	43	43
10-Nov-21	The Vanguard Group, Inc.	SELL	116.55	Ordinary	(38)	(38)
11-Nov-21	The Vanguard Group, Inc.	BUY	114.95	Ordinary	474	474
11-Nov-21	The Vanguard Group, Inc.	BUY	114.95	Ordinary	1,976	1,976
11-Nov-21	The Vanguard Group, Inc.	BUY	114.95	Ordinary	988	988
11-Nov-21	The Vanguard Group, Inc.	BUY	114.95	Ordinary	1,484	1,484
11-Nov-21	The Vanguard Group, Inc.	BUY	114.95	Ordinary	3,816	3,816
11-Nov-21	The Vanguard Group, Inc.	BUY	114.95	Ordinary	636	636
11-Nov-21	The Vanguard Group, Inc.	BUY	114.95	Ordinary	1,908	1,908
11-Nov-21	The Vanguard Group, Inc.	BUY	115.48	Ordinary	2,837	2,837
11-Nov-21	The Vanguard Group, Inc.	BUY	114.95	Ordinary	1,000	1,000
11-Nov-21	The Vanguard Group, Inc.	BUY	114.18	Ordinary	3,288	3,288
12-Nov-21	The Vanguard Group, Inc.	BUY	115.80	Ordinary	500	500
12-Nov-21	The Vanguard Group, Inc.	BUY	115.80	Ordinary	378	378
12-Nov-21	The Vanguard Group, Inc.	SELL	113.78	Ordinary	(90)	(90)
15-Nov-21	The Vanguard Group, Inc.	BUY	115.40	Ordinary	42	42

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
16-Nov-21	The Vanguard Group, Inc.	BUY	119.77	Ordinary	189	189
17-Nov-21	The Vanguard Group, Inc.	BUY	119.95	Ordinary	2,944	2,944
17-Nov-21	The Vanguard Group, Inc.	BUY	119.95	Ordinary	2,355	2,355
17-Nov-21	The Vanguard Group, Inc.	BUY	119.84	Ordinary	291	291
18-Nov-21	The Vanguard Group, Inc.	BUY	118.56	Ordinary	458	458
18-Nov-21	The Vanguard Group, Inc.	BUY	119.45	Ordinary	107	107
19-Nov-21	The Vanguard Group, Inc.	BUY	114.87	Ordinary	296	296
19-Nov-21	The Vanguard Group, Inc.	BUY	114.87	Ordinary	1,235	1,235
19-Nov-21	The Vanguard Group, Inc.	BUY	116.95	Ordinary	2,867	2,867
19-Nov-21	The Vanguard Group, Inc.	BUY	116.42	Ordinary	162	162
19-Nov-21	The Vanguard Group, Inc.	BUY	116.42	Ordinary	2,588	2,588
22-Nov-21	The Vanguard Group, Inc.	BUY	115.16	Ordinary	2,324	2,324
23-Nov-21	The Vanguard Group, Inc.	BUY	106.81	Ordinary	988	988
24-Nov-21	The Vanguard Group, Inc.	BUY	107.25	Ordinary	304	304
25-Nov-21	The Vanguard Group, Inc.	BUY	109.93	Ordinary	3,235	3,235
26-Nov-21	The Vanguard Group, Inc.	BUY	108.56	Ordinary	222	222
26-Nov-21	The Vanguard Group, Inc.	BUY	108.56	Ordinary	1,729	1,729
29-Nov-21	The Vanguard Group, Inc.	BUY	111.27	Ordinary	474	474
29-Nov-21	The Vanguard Group, Inc.	BUY	111.27	Ordinary	1,482	1,482
30-Nov-21	The Vanguard Group, Inc.	BUY	107.43	Ordinary	474	474
30-Nov-21	The Vanguard Group, Inc.	BUY	107.43	Ordinary	1,482	1,482
30-Nov-21	The Vanguard Group, Inc.	BUY	107.43	Ordinary	1,976	1,976
30-Nov-21	The Vanguard Group, Inc.	BUY	107.43	Ordinary	2,470	2,470
30-Nov-21	The Vanguard Group, Inc.	BUY	107.43	Ordinary	636	636
30-Nov-21	The Vanguard Group, Inc.	BUY	111.33	Ordinary	3,216	3,216
30-Nov-21	The Vanguard Group, Inc.	BUY	107.43	Ordinary	1,350	1,350
30-Nov-21	The Vanguard Group, Inc.	BUY	108.85	Ordinary	243	243
30-Nov-21	The Vanguard Group, Inc.	SELL	109.13	Ordinary	(3,220)	(3,220)
1-Dec-21	The Vanguard Group, Inc.	BUY	101.46	Ordinary	3,705	3,705
1-Dec-21	The Vanguard Group, Inc.	BUY	108.92	Ordinary	4,125	4,125
1-Dec-21	The Vanguard Group, Inc.	BUY	101.46	Ordinary	252	252
1-Dec-21	The Vanguard Group, Inc.	BUY	108.92	Ordinary	3,772	3,772
1-Dec-21	The Vanguard Group, Inc.	BUY	106.50	Ordinary	2,046	2,046
3-Dec-21	The Vanguard Group, Inc.	BUY	98.24	Ordinary	85	85
3-Dec-21	The Vanguard Group, Inc.	BUY	98.24	Ordinary	2,756	2,756
3-Dec-21	The Vanguard Group, Inc.	BUY	98.24	Ordinary	60	60
6-Dec-21	The Vanguard Group, Inc.	BUY	95.60	Ordinary	3,356	3,356
6-Dec-21	The Vanguard Group, Inc.	BUY	94.00	Ordinary	322	322
7-Dec-21	The Vanguard Group, Inc.	BUY	98.15	Ordinary	222	222
7-Dec-21	The Vanguard Group, Inc.	BUY	98.15	Ordinary	1,476	1,476
7-Dec-21	The Vanguard Group, Inc.	BUY	98.15	Ordinary	1,476	1,476
7-Dec-21	The Vanguard Group, Inc.	BUY	95.73	Ordinary	246	246
7-Dec-21	The Vanguard Group, Inc.	SELL	95.73	Ordinary	(3,070)	(3,070)
8-Dec-21	The Vanguard Group, Inc.	BUY	100.55	Ordinary	750	750
8-Dec-21	The Vanguard Group, Inc.	BUY	100.55	Ordinary	189	189
8-Dec-21	The Vanguard Group, Inc.	BUY	100.55	Ordinary	378	378
8-Dec-21	The Vanguard Group, Inc.	IN SPECIE	99.79	Ordinary	(4,261)	(4,261)
8-Dec-21	The Vanguard Group, Inc.	IN SPECIE	99.79	Ordinary	(592)	(592)
8-Dec-21	The Vanguard Group, Inc.	BUY	99.79	Ordinary	416	416
9-Dec-21	The Vanguard Group, Inc.	BUY	97.07	Ordinary	189	189
10-Dec-21	The Vanguard Group, Inc.	SELL	96.15	Ordinary	(18,294)	(18,294)
10-Dec-21	The Vanguard Group, Inc.	SELL	95.89	Ordinary	(3,307)	(3,307)
10-Dec-21	The Vanguard Group, Inc.	BUY	94.59	Ordinary	2,460	2,460
10-Dec-21	The Vanguard Group, Inc.	SELL	96.15	Ordinary	(301,859)	(301,859)
10-Dec-21	The Vanguard Group, Inc.	SELL	95.89	Ordinary	(54,574)	(54,574)
10-Dec-21	The Vanguard Group, Inc.	SELL	95.89	Ordinary	(4,404)	(4,404)
10-Dec-21	The Vanguard Group, Inc.	SELL	96.15	Ordinary	(1,652)	(1,652)
10-Dec-21	The Vanguard Group, Inc.	SELL	95.89	Ordinary	(299)	(299)
13-Dec-21	The Vanguard Group, Inc.	SELL	95.52	Ordinary	(5,981)	(5,981)
13-Dec-21	The Vanguard Group, Inc.	SELL	95.05	Ordinary	(6,937)	(6,937)
13-Dec-21	The Vanguard Group, Inc.	SELL	95.52	Ordinary	(98,680)	(98,680)
13-Dec-21	The Vanguard Group, Inc.	SELL	95.05	Ordinary	(114,470)	(114,470)
13-Dec-21	The Vanguard Group, Inc.	BUY	95.29	Ordinary	7,115	7,115
13-Dec-21	The Vanguard Group, Inc.	SELL	95.05	Ordinary	(627)	(627)
13-Dec-21	The Vanguard Group, Inc.	SELL	95.52	Ordinary	(540)	(540)
14-Dec-21	The Vanguard Group, Inc.	SELL	90.40	Ordinary	(53,618)	(53,618)

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14-Dec-21	The Vanguard Group, Inc.	BUY	88.67	Ordinary	3,690	3,690
14-Dec-21	The Vanguard Group, Inc.	SELL	90.40	Ordinary	(884,740)	(884,740)
14-Dec-21	The Vanguard Group, Inc.	BUY	90.83	Ordinary	172	172
14-Dec-21	The Vanguard Group, Inc.	BUY	90.83	Ordinary	82	82
14-Dec-21	The Vanguard Group, Inc.	SELL	90.40	Ordinary	(4,843)	(4,843)
19-Apr-21	Vanguard Investments Australia Ltd.	BUY	126.20	Ordinary	1,625	1,625
20-Apr-21	Vanguard Investments Australia Ltd.	SELL	125.23	Ordinary	(740)	(740)
20-Apr-21	Vanguard Investments Australia Ltd.	SELL	125.23	Ordinary	(43)	(43)
20-Apr-21	Vanguard Investments Australia Ltd.	BUY	125.23	Ordinary	4,240	4,240
21-Apr-21	Vanguard Investments Australia Ltd.	BUY	121.82	Ordinary	2,219	2,219
21-Apr-21	Vanguard Investments Australia Ltd.	BUY	121.82	Ordinary	2,873	2,873
27-Apr-21	Vanguard Investments Australia Ltd.	BUY	115.96	Ordinary	5,530	5,530
28-Apr-21	Vanguard Investments Australia Ltd.	BUY	116.42	Ordinary	511	511
28-Apr-21	Vanguard Investments Australia Ltd.	BUY	116.42	Ordinary	4,316	4,316
29-Apr-21	Vanguard Investments Australia Ltd.	BUY	120.50	Ordinary	2,343	2,343
29-Apr-21	Vanguard Investments Australia Ltd.	BUY	120.50	Ordinary	664	664
3-May-21	Vanguard Investments Australia Ltd.	BUY	114.00	Ordinary	2,140	2,140
3-May-21	Vanguard Investments Australia Ltd.	BUY	114.00	Ordinary	498	498
4-May-21	Vanguard Investments Australia Ltd.	BUY	110.79	Ordinary	506	506
5-May-21	Vanguard Investments Australia Ltd.	BUY	106.96	Ordinary	506	506
5-May-21	Vanguard Investments Australia Ltd.	BUY	106.96	Ordinary	545	545
6-May-21	Vanguard Investments Australia Ltd.	BUY	99.50	Ordinary	3,210	3,210
7-May-21	Vanguard Investments Australia Ltd.	BUY	95.38	Ordinary	11,401	11,401
7-May-21	Vanguard Investments Australia Ltd.	BUY	95.38	Ordinary	166	166
10-May-21	Vanguard Investments Australia Ltd.	BUY	97.50	Ordinary	166	166
11-May-21	Vanguard Investments Australia Ltd.	BUY	89.00	Ordinary	58	58
13-May-21	Vanguard Investments Australia Ltd.	BUY	84.50	Ordinary	2,113	2,113
13-May-21	Vanguard Investments Australia Ltd.	BUY	84.50	Ordinary	813	813
13-May-21	Vanguard Investments Australia Ltd.	BUY	84.50	Ordinary	245	245
13-May-21	Vanguard Investments Australia Ltd.	BUY	84.50	Ordinary	1,120	1,120
13-May-21	Vanguard Investments Australia Ltd.	BUY	84.50	Ordinary	4,829	4,829
13-May-21	Vanguard Investments Australia Ltd.	BUY	84.50	Ordinary	332	332
13-May-21	Vanguard Investments Australia Ltd.	BUY	84.50	Ordinary	498	498
14-May-21	Vanguard Investments Australia Ltd.	BUY	86.35	Ordinary	3,024	3,024
17-May-21	Vanguard Investments Australia Ltd.	SELL	86.46	Ordinary	(3,082)	(3,082)
17-May-21	Vanguard Investments Australia Ltd.	BUY	86.46	Ordinary	2,604	2,604
17-May-21	Vanguard Investments Australia Ltd.	BUY	86.46	Ordinary	3,867	3,867
17-May-21	Vanguard Investments Australia Ltd.	BUY	86.46	Ordinary	153	153
18-May-21	Vanguard Investments Australia Ltd.	BUY	86.52	Ordinary	2,490	2,490
19-May-21	Vanguard Investments Australia Ltd.	BUY	86.47	Ordinary	2,821	2,821
20-May-21	Vanguard Investments Australia Ltd.	IN SPECIE	93.10	Ordinary	(845,251)	(845,251)
20-May-21	Vanguard Investments Australia Ltd.	IN SPECIE	93.10	Ordinary	(7,213)	(7,213)
20-May-21	Vanguard Investments Australia Ltd.	BUY	93.10	Ordinary	498	498
20-May-21	Vanguard Investments Australia Ltd.	BUY	93.10	Ordinary	545	545
21-May-21	Vanguard Investments Australia Ltd.	BUY	93.00	Ordinary	4,340	4,340
21-May-21	Vanguard Investments Australia Ltd.	BUY	93.00	Ordinary	166	166
21-May-21	Vanguard Investments Australia Ltd.	BUY	93.00	Ordinary	1,162	1,162
25-May-21	Vanguard Investments Australia Ltd.	BUY	92.73	Ordinary	2,592	2,592
26-May-21	Vanguard Investments Australia Ltd.	BUY	93.54	Ordinary	166	166
26-May-21	Vanguard Investments Australia Ltd.	BUY	93.54	Ordinary	546	546
27-May-21	Vanguard Investments Australia Ltd.	BUY	94.93	Ordinary	816	816
27-May-21	Vanguard Investments Australia Ltd.	BUY	94.93	Ordinary	466	466
27-May-21	Vanguard Investments Australia Ltd.	BUY	94.93	Ordinary	851	851
31-May-21	Vanguard Investments Australia Ltd.	BUY	92.78	Ordinary	7,921	7,921
3-Jun-21	Vanguard Investments Australia Ltd.	BUY	95.25	Ordinary	166	166
8-Jun-21	Vanguard Investments Australia Ltd.	SELL	97.20	Ordinary	(428)	(428)
8-Jun-21	Vanguard Investments Australia Ltd.	BUY	97.20	Ordinary	2,580	2,580
9-Jun-21	Vanguard Investments Australia Ltd.	BUY	98.84	Ordinary	2,568	2,568
15-Jun-21	Vanguard Investments Australia Ltd.	BUY	105.70	Ordinary	166	166
18-Jun-21	Vanguard Investments Australia Ltd.	BUY	114.36	Ordinary	1,032	1,032
18-Jun-21	Vanguard Investments Australia Ltd.	BUY	114.36	Ordinary	13,972	13,972
18-Jun-21	Vanguard Investments Australia Ltd.	BUY	114.36	Ordinary	36,534	36,534
22-Jun-21	Vanguard Investments Australia Ltd.	BUY	119.12	Ordinary	856	856
22-Jun-21	Vanguard Investments Australia Ltd.	BUY	119.12	Ordinary	2,140	2,140
23-Jun-21	Vanguard Investments Australia Ltd.	IN SPECIE	122.90	Ordinary	(375,281)	(375,281)
23-Jun-21	Vanguard Investments Australia Ltd.	IN SPECIE	122.90	Ordinary	(181,685)	(181,685)

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23-Jun-21	Vanguard Investments Australia Ltd.	IN SPECIE	122.90	Ordinary	(154,399)	(154,399)
23-Jun-21	Vanguard Investments Australia Ltd.	BUY	122.90	Ordinary	334	334
24-Jun-21	Vanguard Investments Australia Ltd.	BUY	130.50	Ordinary	334	334
24-Jun-21	Vanguard Investments Australia Ltd.	BUY	130.50	Ordinary	1,215	1,215
29-Jun-21	Vanguard Investments Australia Ltd.	BUY	120.47	Ordinary	2,568	2,568
30-Jun-21	Vanguard Investments Australia Ltd.	SELL	118.17	Ordinary	(3,783)	(3,783)
1-Jul-21	Vanguard Investments Australia Ltd.	BUY	119.05	Ordinary	664	664
2-Jul-21	Vanguard Investments Australia Ltd.	BUY	118.29	Ordinary	1,065	1,065
2-Jul-21	Vanguard Investments Australia Ltd.	BUY	118.29	Ordinary	6,525	6,525
2-Jul-21	Vanguard Investments Australia Ltd.	BUY	118.29	Ordinary	501	501
6-Jul-21	Vanguard Investments Australia Ltd.	BUY	114.79	Ordinary	4,361	4,361
7-Jul-21	Vanguard Investments Australia Ltd.	BUY	120.01	Ordinary	2,982	2,982
8-Jul-21	Vanguard Investments Australia Ltd.	BUY	123.65	Ordinary	6,954	6,954
9-Jul-21	Vanguard Investments Australia Ltd.	BUY	117.51	Ordinary	2,982	2,982
9-Jul-21	Vanguard Investments Australia Ltd.	BUY	117.51	Ordinary	3,621	3,621
12-Jul-21	Vanguard Investments Australia Ltd.	BUY	118.64	Ordinary	429	429
12-Jul-21	Vanguard Investments Australia Ltd.	BUY	118.64	Ordinary	1,234	1,234
13-Jul-21	Vanguard Investments Australia Ltd.	BUY	118.35	Ordinary	668	668
13-Jul-21	Vanguard Investments Australia Ltd.	BUY	118.35	Ordinary	1,336	1,336
15-Jul-21	Vanguard Investments Australia Ltd.	BUY	104.56	Ordinary	183	183
15-Jul-21	Vanguard Investments Australia Ltd.	BUY	104.56	Ordinary	12,306	12,306
15-Jul-21	Vanguard Investments Australia Ltd.	BUY	104.56	Ordinary	6,310	6,310
15-Jul-21	Vanguard Investments Australia Ltd.	BUY	104.56	Ordinary	138	138
16-Jul-21	Vanguard Investments Australia Ltd.	BUY	103.21	Ordinary	2,869	2,869
19-Jul-21	Vanguard Investments Australia Ltd.	SELL	104.90	Ordinary	(221)	(221)
19-Jul-21	Vanguard Investments Australia Ltd.	BUY	104.90	Ordinary	1,070	1,070
20-Jul-21	Vanguard Investments Australia Ltd.	SELL	106.62	Ordinary	(427)	(427)
20-Jul-21	Vanguard Investments Australia Ltd.	BUY	106.62	Ordinary	2,568	2,568
20-Jul-21	Vanguard Investments Australia Ltd.	BUY	106.62	Ordinary	6,713	6,713
22-Jul-21	Vanguard Investments Australia Ltd.	BUY	105.84	Ordinary	1,161	1,161
23-Jul-21	Vanguard Investments Australia Ltd.	BUY	106.70	Ordinary	2,568	2,568
26-Jul-21	Vanguard Investments Australia Ltd.	SELL	104.43	Ordinary	(1,517)	(1,517)
27-Jul-21	Vanguard Investments Australia Ltd.	IN SPECIE	102.70	Ordinary	(206,920)	(206,920)
29-Jul-21	Vanguard Investments Australia Ltd.	BUY	102.05	Ordinary	265	265
29-Jul-21	Vanguard Investments Australia Ltd.	BUY	102.05	Ordinary	167	167
30-Jul-21	Vanguard Investments Australia Ltd.	BUY	96.66	Ordinary	185	185
3-Aug-21	Vanguard Investments Australia Ltd.	BUY	127.85	Ordinary	200	200
3-Aug-21	Vanguard Investments Australia Ltd.	BUY	127.85	Ordinary	2,996	2,996
5-Aug-21	Vanguard Investments Australia Ltd.	BUY	125.26	Ordinary	501	501
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	132.15	Ordinary	210	210
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	132.15	Ordinary	1,339	1,339
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	132.15	Ordinary	3,085	3,085
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	132.15	Ordinary	11,625	11,625
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	132.15	Ordinary	668	668
9-Aug-21	Vanguard Investments Australia Ltd.	BUY	130.05	Ordinary	2,544	2,544
9-Aug-21	Vanguard Investments Australia Ltd.	BUY	130.05	Ordinary	265	265
10-Aug-21	Vanguard Investments Australia Ltd.	BUY	134.27	Ordinary	345	345
11-Aug-21	Vanguard Investments Australia Ltd.	SELL	133.19	Ordinary	(824)	(824)
12-Aug-21	Vanguard Investments Australia Ltd.	BUY	131.54	Ordinary	61	61
12-Aug-21	Vanguard Investments Australia Ltd.	BUY	131.54	Ordinary	266	266
13-Aug-21	Vanguard Investments Australia Ltd.	SELL	132.01	Ordinary	(293)	(293)
13-Aug-21	Vanguard Investments Australia Ltd.	BUY	132.01	Ordinary	113	113
16-Aug-21	Vanguard Investments Australia Ltd.	BUY	131.68	Ordinary	4,240	4,240
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	130.51	Ordinary	1,704	1,704
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	130.51	Ordinary	4,260	4,260
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	130.51	Ordinary	444	444
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	130.51	Ordinary	504	504
19-Aug-21	Vanguard Investments Australia Ltd.	BUY	130.60	Ordinary	2,769	2,769
19-Aug-21	Vanguard Investments Australia Ltd.	BUY	130.60	Ordinary	5,063	5,063
20-Aug-21	Vanguard Investments Australia Ltd.	BUY	129.50	Ordinary	1,065	1,065
23-Aug-21	Vanguard Investments Australia Ltd.	BUY	133.00	Ordinary	155	155
23-Aug-21	Vanguard Investments Australia Ltd.	BUY	133.00	Ordinary	336	336
24-Aug-21	Vanguard Investments Australia Ltd.	BUY	135.10	Ordinary	266	266
25-Aug-21	Vanguard Investments Australia Ltd.	SELL	133.50	Ordinary	(754)	(754)
25-Aug-21	Vanguard Investments Australia Ltd.	BUY	133.50	Ordinary	2,769	2,769
25-Aug-21	Vanguard Investments Australia Ltd.	BUY	133.50	Ordinary	5,793	5,793

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25-Aug-21	Vanguard Investments Australia Ltd.	BUY	133.50	Ordinary	32	32
25-Aug-21	Vanguard Investments Australia Ltd.	BUY	133.50	Ordinary	552	552
26-Aug-21	Vanguard Investments Australia Ltd.	BUY	132.23	Ordinary	2,130	2,130
30-Aug-21	Vanguard Investments Australia Ltd.	BUY	132.32	Ordinary	2,982	2,982
30-Aug-21	Vanguard Investments Australia Ltd.	BUY	132.32	Ordinary	504	504
31-Aug-21	Vanguard Investments Australia Ltd.	BUY	134.59	Ordinary	291	291
31-Aug-21	Vanguard Investments Australia Ltd.	BUY	134.59	Ordinary	55	55
1-Sep-21	Vanguard Investments Australia Ltd.	BUY	133.30	Ordinary	187	187
2-Sep-21	Vanguard Investments Australia Ltd.	BUY	134.43	Ordinary	3,424	3,424
2-Sep-21	Vanguard Investments Australia Ltd.	BUY	134.43	Ordinary	9,418	9,418
2-Sep-21	Vanguard Investments Australia Ltd.	BUY	134.43	Ordinary	504	504
3-Sep-21	Vanguard Investments Australia Ltd.	BUY	130.71	Ordinary	274	274
3-Sep-21	Vanguard Investments Australia Ltd.	BUY	130.71	Ordinary	676	676
6-Sep-21	Vanguard Investments Australia Ltd.	BUY	132.88	Ordinary	2,580	2,580
7-Sep-21	Vanguard Investments Australia Ltd.	BUY	132.70	Ordinary	116	116
8-Sep-21	Vanguard Investments Australia Ltd.	BUY	130.60	Ordinary	6,357	6,357
9-Sep-21	Vanguard Investments Australia Ltd.	SELL	126.50	Ordinary	(411)	(411)
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	126.50	Ordinary	3,010	3,010
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	126.50	Ordinary	3,653	3,653
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	126.50	Ordinary	374	374
10-Sep-21	Vanguard Investments Australia Ltd.	BUY	126.46	Ordinary	897	897
15-Sep-21	Vanguard Investments Australia Ltd.	BUY	123.62	Ordinary	2,580	2,580
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	128.17	Ordinary	3,691	3,691
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	128.17	Ordinary	7,313	7,313
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	128.17	Ordinary	55,212	55,212
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	128.17	Ordinary	150,941	150,941
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	128.38	Ordinary	676	676
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	128.17	Ordinary	1,278	1,278
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	127.19	Ordinary	950	950
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	127.19	Ordinary	1,883	1,883
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	127.19	Ordinary	14,219	14,219
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	125.60	Ordinary	3,192	3,192
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	127.19	Ordinary	38,873	38,873
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	127.19	Ordinary	328	328
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	125.60	Ordinary	680	680
22-Sep-21	Vanguard Investments Australia Ltd.	BUY	126.23	Ordinary	338	338
22-Sep-21	Vanguard Investments Australia Ltd.	BUY	126.23	Ordinary	463	463
23-Sep-21	Vanguard Investments Australia Ltd.	BUY	131.54	Ordinary	3,859	3,859
24-Sep-21	Vanguard Investments Australia Ltd.	BUY	132.11	Ordinary	1,085	1,085
27-Sep-21	Vanguard Investments Australia Ltd.	BUY	129.53	Ordinary	1,690	1,690
28-Sep-21	Vanguard Investments Australia Ltd.	BUY	127.23	Ordinary	2,724	2,724
29-Sep-21	Vanguard Investments Australia Ltd.	BUY	121.93	Ordinary	1,140	1,140
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	118.82	Ordinary	3,360	3,360
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	118.82	Ordinary	3,584	3,584
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	118.82	Ordinary	668	668
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	118.82	Ordinary	835	835
4-Oct-21	Vanguard Investments Australia Ltd.	BUY	119.60	Ordinary	1,120	1,120
5-Oct-21	Vanguard Investments Australia Ltd.	BUY	113.60	Ordinary	1,336	1,336
6-Oct-21	Vanguard Investments Australia Ltd.	BUY	116.98	Ordinary	125	125
8-Oct-21	Vanguard Investments Australia Ltd.	BUY	122.99	Ordinary	388	388
8-Oct-21	Vanguard Investments Australia Ltd.	BUY	122.99	Ordinary	703	703
8-Oct-21	Vanguard Investments Australia Ltd.	BUY	122.99	Ordinary	3,584	3,584
8-Oct-21	Vanguard Investments Australia Ltd.	BUY	122.99	Ordinary	8,764	8,764
11-Oct-21	Vanguard Investments Australia Ltd.	BUY	117.87	Ordinary	840	840
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	114.64	Ordinary	1,047	1,047
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	114.64	Ordinary	86	86
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	114.64	Ordinary	435	435
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	114.64	Ordinary	1,176	1,176
14-Oct-21	Vanguard Investments Australia Ltd.	BUY	120.68	Ordinary	194	194
15-Oct-21	Vanguard Investments Australia Ltd.	BUY	122.78	Ordinary	2,925	2,925
18-Oct-21	Vanguard Investments Australia Ltd.	SELL	121.05	Ordinary	(1,349)	(1,349)
18-Oct-21	Vanguard Investments Australia Ltd.	SELL	121.05	Ordinary	(2,990)	(2,990)
18-Oct-21	Vanguard Investments Australia Ltd.	BUY	121.05	Ordinary	672	672
19-Oct-21	Vanguard Investments Australia Ltd.	BUY	124.30	Ordinary	672	672
20-Oct-21	Vanguard Investments Australia Ltd.	BUY	126.25	Ordinary	5,450	5,450
21-Oct-21	Vanguard Investments Australia Ltd.	BUY	126.33	Ordinary	4,834	4,834

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
21-Oct-21	Vanguard Investments Australia Ltd.	BUY	126.33	Ordinary	2,925	2,925
25-Oct-21	Vanguard Investments Australia Ltd.	BUY	122.60	Ordinary	204	204
26-Oct-21	Vanguard Investments Australia Ltd.	BUY	126.64	Ordinary	672	672
27-Oct-21	Vanguard Investments Australia Ltd.	IN SPECIE	126.81	Ordinary	(104,187)	(104,187)
28-Oct-21	Vanguard Investments Australia Ltd.	BUY	124.25	Ordinary	15,372	15,372
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	123.29	Ordinary	3,375	3,375
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	123.29	Ordinary	672	672
1-Nov-21	Vanguard Investments Australia Ltd.	BUY	122.10	Ordinary	1,125	1,125
2-Nov-21	Vanguard Investments Australia Ltd.	SELL	121.68	Ordinary	(12,424)	(12,424)
3-Nov-21	Vanguard Investments Australia Ltd.	BUY	121.53	Ordinary	368	368
4-Nov-21	Vanguard Investments Australia Ltd.	BUY	124.38	Ordinary	2,700	2,700
5-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	115.66	Ordinary	(1,185,417)	(1,185,417)
5-Nov-21	Vanguard Investments Australia Ltd.	BUY	117.50	Ordinary	10,388	10,388
5-Nov-21	Vanguard Investments Australia Ltd.	BUY	117.50	Ordinary	246	246
5-Nov-21	Vanguard Investments Australia Ltd.	BUY	117.50	Ordinary	672	672
8-Nov-21	Vanguard Investments Australia Ltd.	BUY	116.75	Ordinary	183	183
8-Nov-21	Vanguard Investments Australia Ltd.	BUY	116.75	Ordinary	302	302
9-Nov-21	Vanguard Investments Australia Ltd.	BUY	119.52	Ordinary	2,486	2,486
10-Nov-21	Vanguard Investments Australia Ltd.	BUY	116.95	Ordinary	15,883	15,883
11-Nov-21	Vanguard Investments Australia Ltd.	SELL	114.18	Ordinary	(138)	(138)
11-Nov-21	Vanguard Investments Australia Ltd.	BUY	114.18	Ordinary	676	676
17-Nov-21	Vanguard Investments Australia Ltd.	BUY	119.84	Ordinary	2,270	2,270
18-Nov-21	Vanguard Investments Australia Ltd.	SELL	118.56	Ordinary	(918)	(918)
18-Nov-21	Vanguard Investments Australia Ltd.	BUY	118.56	Ordinary	681	681
18-Nov-21	Vanguard Investments Australia Ltd.	BUY	118.56	Ordinary	1,183	1,183
19-Nov-21	Vanguard Investments Australia Ltd.	BUY	116.42	Ordinary	1,014	1,014
22-Nov-21	Vanguard Investments Australia Ltd.	BUY	113.55	Ordinary	1,014	1,014
23-Nov-21	Vanguard Investments Australia Ltd.	BUY	107.45	Ordinary	908	908
23-Nov-21	Vanguard Investments Australia Ltd.	BUY	107.45	Ordinary	2,270	2,270
24-Nov-21	Vanguard Investments Australia Ltd.	BUY	107.25	Ordinary	2,724	2,724
24-Nov-21	Vanguard Investments Australia Ltd.	BUY	107.25	Ordinary	198	198
25-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	111.74	Ordinary	(65,322)	(65,322)
25-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	111.74	Ordinary	(170,259)	(170,259)
26-Nov-21	Vanguard Investments Australia Ltd.	BUY	109.09	Ordinary	2,270	2,270
26-Nov-21	Vanguard Investments Australia Ltd.	BUY	109.09	Ordinary	881	881
30-Nov-21	Vanguard Investments Australia Ltd.	BUY	108.85	Ordinary	2,724	2,724
30-Nov-21	Vanguard Investments Australia Ltd.	BUY	108.85	Ordinary	188	188
2-Dec-21	Vanguard Investments Australia Ltd.	BUY	100.02	Ordinary	3,405	3,405
3-Dec-21	Vanguard Investments Australia Ltd.	BUY	98.24	Ordinary	5,912	5,912
7-Dec-21	Vanguard Investments Australia Ltd.	BUY	95.73	Ordinary	2,724	2,724
7-Dec-21	Vanguard Investments Australia Ltd.	BUY	95.73	Ordinary	1,014	1,014
8-Dec-21	Vanguard Investments Australia Ltd.	BUY	99.79	Ordinary	2,270	2,270
8-Dec-21	Vanguard Investments Australia Ltd.	BUY	99.79	Ordinary	1,577	1,577
10-Dec-21	Vanguard Investments Australia Ltd.	BUY	95.89	Ordinary	2,712	2,712
10-Dec-21	Vanguard Investments Australia Ltd.	SELL	95.89	Ordinary	(435)	(435)
10-Dec-21	Vanguard Investments Australia Ltd.	BUY	95.89	Ordinary	450	450
14-Dec-21	Vanguard Investments Australia Ltd.	BUY	90.83	Ordinary	1,183	1,183

This is Annexure A of 12 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 16 December 2021