

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

To Company Name/Scheme Rio Tinto Limited  
ACN/ARSN 004 458 404

**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 21 June 2024

The previous notice was given to the company on 8 April 2022

The previous notice was dated 8 April 2022

**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)
<b>Ordinary</b>	18,564,679	5.001%	22,353,663	6.022%

**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
<b>See Annexure A</b>					

**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	<b>Brown Brothers Harriman</b>	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.	<b>Ordinary</b> – 1,228,246	1,228,246
Vanguard Group	<b>BNY Mellon</b>	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.	<b>Ordinary</b> – 1,424,501	1,424,501
Vanguard Group	<b>JP Morgan Chase Bank, N.A.</b>	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.	<b>Ordinary</b> – 16,092,882	16,092,882
Vanguard Group	<b>State Street Bank and Trust Company</b>	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.	<b>Ordinary</b> – 3,607,048	3,607,048

Vanguard Personalized Indexing Management LLC	<b>Various Others</b>	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.	<b>Ordinary – 986</b>	986
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**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 3 July 2024

#### 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 Rio Tinto Limited  
ACN/ARSN 004 458 404

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
7-Apr-2022	The Vanguard Group, Inc.	BUY	119.43	Ordinary	720	720
7-Apr-2022	The Vanguard Group, Inc.	BUY	118.74	Ordinary	67	67
7-Apr-2022	The Vanguard Group, Inc.	BUY	119.14	Ordinary	3,272	3,272
7-Apr-2022	The Vanguard Group, Inc.	BUY	118.74	Ordinary	3,760	3,760
7-Apr-2022	The Vanguard Group, Inc.	BUY	118.74	Ordinary	1,043	1,043
8-Apr-2022	The Vanguard Group, Inc.	BUY	119.97	Ordinary	584	584
8-Apr-2022	The Vanguard Group, Inc.	BUY	119.73	Ordinary	2,233	2,233
8-Apr-2022	The Vanguard Group, Inc.	BUY	119.97	Ordinary	2,388	2,388
8-Apr-2022	The Vanguard Group, Inc.	BUY	119.97	Ordinary	844	844
11-Apr-2022	The Vanguard Group, Inc.	BUY	117.50	Ordinary	178	178
12-Apr-2022	The Vanguard Group, Inc.	BUY	118.25	Ordinary	2,382	2,382
12-Apr-2022	The Vanguard Group, Inc.	BUY	118.25	Ordinary	3,970	3,970
12-Apr-2022	The Vanguard Group, Inc.	BUY	118.25	Ordinary	420	420
12-Apr-2022	The Vanguard Group, Inc.	BUY	118.09	Ordinary	358	358
13-Apr-2022	The Vanguard Group, Inc.	BUY	119.73	Ordinary	12,840	12,840
14-Apr-2022	The Vanguard Group, Inc.	BUY	122.10	Ordinary	4,516	4,516
19-Apr-2022	The Vanguard Group, Inc.	SELL	122.61	Ordinary	(1,352)	(1,352)
19-Apr-2022	The Vanguard Group, Inc.	BUY	122.79	Ordinary	2,798	2,798
19-Apr-2022	The Vanguard Group, Inc.	BUY	122.79	Ordinary	6,140	6,140
19-Apr-2022	The Vanguard Group, Inc.	BUY	122.61	Ordinary	844	844
19-Apr-2022	The Vanguard Group, Inc.	BUY	121.66	Ordinary	178	178
20-Apr-2022	The Vanguard Group, Inc.	BUY	119.58	Ordinary	6,957	6,957
20-Apr-2022	The Vanguard Group, Inc.	BUY	118.94	Ordinary	422	422
20-Apr-2022	The Vanguard Group, Inc.	BUY	118.30	Ordinary	357	357
20-Apr-2022	The Vanguard Group, Inc.	BUY	118.30	Ordinary	177	177
21-Apr-2022	The Vanguard Group, Inc.	BUY	116.36	Ordinary	10,365	10,365
21-Apr-2022	The Vanguard Group, Inc.	SELL	117.90	Ordinary	(356)	(356)
22-Apr-2022	The Vanguard Group, Inc.	BUY	113.60	Ordinary	843	843
22-Apr-2022	The Vanguard Group, Inc.	BUY	112.67	Ordinary	636	636
22-Apr-2022	The Vanguard Group, Inc.	BUY	112.67	Ordinary	3,080	3,080
22-Apr-2022	The Vanguard Group, Inc.	BUY	112.67	Ordinary	11,652	11,652
22-Apr-2022	The Vanguard Group, Inc.	SELL	112.01	Ordinary	(227)	(227)
22-Apr-2022	The Vanguard Group, Inc.	BUY	113.60	Ordinary	356	356
26-Apr-2022	The Vanguard Group, Inc.	BUY	108.76	Ordinary	107	107
26-Apr-2022	The Vanguard Group, Inc.	BUY	109.87	Ordinary	4,657	4,657
26-Apr-2022	The Vanguard Group, Inc.	BUY	108.76	Ordinary	15,173	15,173
26-Apr-2022	The Vanguard Group, Inc.	BUY	108.76	Ordinary	358	358
26-Apr-2022	The Vanguard Group, Inc.	BUY	108.76	Ordinary	720	720
27-Apr-2022	The Vanguard Group, Inc.	BUY	108.59	Ordinary	7,008	7,008
27-Apr-2022	The Vanguard Group, Inc.	BUY	109.47	Ordinary	912	912
28-Apr-2022	The Vanguard Group, Inc.	BUY	112.80	Ordinary	5,771	5,771
28-Apr-2022	The Vanguard Group, Inc.	BUY	112.80	Ordinary	661	661
28-Apr-2022	The Vanguard Group, Inc.	BUY	111.36	Ordinary	2,659	2,659
28-Apr-2022	The Vanguard Group, Inc.	BUY	111.36	Ordinary	10,175	10,175
28-Apr-2022	The Vanguard Group, Inc.	BUY	112.80	Ordinary	580	580
28-Apr-2022	The Vanguard Group, Inc.	BUY	113.22	Ordinary	422	422
28-Apr-2022	The Vanguard Group, Inc.	BUY	113.22	Ordinary	633	633
28-Apr-2022	The Vanguard Group, Inc.	BUY	112.80	Ordinary	724	724
29-Apr-2022	The Vanguard Group, Inc.	BUY	112.83	Ordinary	661	661
29-Apr-2022	The Vanguard Group, Inc.	BUY	112.83	Ordinary	4,667	4,667
29-Apr-2022	The Vanguard Group, Inc.	BUY	112.83	Ordinary	19	19
29-Apr-2022	The Vanguard Group, Inc.	BUY	112.65	Ordinary	5,170	5,170
29-Apr-2022	The Vanguard Group, Inc.	SELL	112.83	Ordinary	(3,213)	(3,213)
29-Apr-2022	The Vanguard Group, Inc.	BUY	112.83	Ordinary	146	146
2-May-2022	The Vanguard Group, Inc.	SELL	113.07	Ordinary	(478)	(478)
2-May-2022	The Vanguard Group, Inc.	BUY	112.97	Ordinary	4,396	4,396
2-May-2022	The Vanguard Group, Inc.	BUY	113.59	Ordinary	178	178
3-May-2022	The Vanguard Group, Inc.	BUY	111.85	Ordinary	720	720
4-May-2022	The Vanguard Group, Inc.	BUY	112.44	Ordinary	3,081	3,081
4-May-2022	The Vanguard Group, Inc.	BUY	111.63	Ordinary	1,014	1,014
4-May-2022	The Vanguard Group, Inc.	BUY	111.63	Ordinary	1,140	1,140
4-May-2022	The Vanguard Group, Inc.	BUY	112.44	Ordinary	5,477	5,477
4-May-2022	The Vanguard Group, Inc.	BUY	111.11	Ordinary	145	145
4-May-2022	The Vanguard Group, Inc.	BUY	111.11	Ordinary	181	181
5-May-2022	The Vanguard Group, Inc.	BUY	111.60	Ordinary	3,106	3,106

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
5-May-2022	The Vanguard Group, Inc.	BUY	109.40	Ordinary	636	636
5-May-2022	The Vanguard Group, Inc.	BUY	111.58	Ordinary	145	145
6-May-2022	The Vanguard Group, Inc.	BUY	109.26	Ordinary	659	659
6-May-2022	The Vanguard Group, Inc.	BUY	108.67	Ordinary	6,568	6,568
6-May-2022	The Vanguard Group, Inc.	BUY	108.26	Ordinary	636	636
9-May-2022	The Vanguard Group, Inc.	BUY	107.99	Ordinary	4,597	4,597
9-May-2022	The Vanguard Group, Inc.	BUY	105.28	Ordinary	424	424
9-May-2022	The Vanguard Group, Inc.	BUY	106.80	Ordinary	179	179
10-May-2022	The Vanguard Group, Inc.	BUY	102.97	Ordinary	7,570	7,570
10-May-2022	The Vanguard Group, Inc.	BUY	101.23	Ordinary	10,467	10,467
10-May-2022	The Vanguard Group, Inc.	BUY	101.23	Ordinary	5,740	5,740
10-May-2022	The Vanguard Group, Inc.	BUY	101.23	Ordinary	1,765	1,765
10-May-2022	The Vanguard Group, Inc.	BUY	102.97	Ordinary	268	268
10-May-2022	The Vanguard Group, Inc.	BUY	102.97	Ordinary	762	762
11-May-2022	The Vanguard Group, Inc.	BUY	103.55	Ordinary	4,783	4,783
11-May-2022	The Vanguard Group, Inc.	BUY	105.64	Ordinary	298	298
11-May-2022	The Vanguard Group, Inc.	BUY	105.73	Ordinary	424	424
11-May-2022	The Vanguard Group, Inc.	BUY	103.55	Ordinary	370	370
11-May-2022	The Vanguard Group, Inc.	BUY	105.64	Ordinary	145	145
11-May-2022	The Vanguard Group, Inc.	BUY	105.64	Ordinary	180	180
12-May-2022	The Vanguard Group, Inc.	BUY	106.10	Ordinary	6,480	6,480
12-May-2022	The Vanguard Group, Inc.	BUY	103.03	Ordinary	760	760
12-May-2022	The Vanguard Group, Inc.	BUY	103.03	Ordinary	426	426
12-May-2022	The Vanguard Group, Inc.	BUY	103.03	Ordinary	852	852
12-May-2022	The Vanguard Group, Inc.	BUY	103.43	Ordinary	145	145
12-May-2022	The Vanguard Group, Inc.	BUY	103.43	Ordinary	134	134
13-May-2022	The Vanguard Group, Inc.	BUY	104.79	Ordinary	6,625	6,625
16-May-2022	The Vanguard Group, Inc.	BUY	107.40	Ordinary	381	381
16-May-2022	The Vanguard Group, Inc.	BUY	104.40	Ordinary	5,633	5,633
16-May-2022	The Vanguard Group, Inc.	BUY	104.40	Ordinary	179	179
17-May-2022	The Vanguard Group, Inc.	BUY	106.33	Ordinary	4,048	4,048
18-May-2022	The Vanguard Group, Inc.	BUY	108.86	Ordinary	2,868	2,868
18-May-2022	The Vanguard Group, Inc.	BUY	108.86	Ordinary	2,797	2,797
18-May-2022	The Vanguard Group, Inc.	BUY	107.94	Ordinary	424	424
18-May-2022	The Vanguard Group, Inc.	BUY	108.86	Ordinary	266	266
19-May-2022	The Vanguard Group, Inc.	BUY	106.75	Ordinary	796	796
19-May-2022	The Vanguard Group, Inc.	BUY	106.75	Ordinary	976	976
19-May-2022	The Vanguard Group, Inc.	BUY	107.50	Ordinary	720	720
19-May-2022	The Vanguard Group, Inc.	BUY	107.50	Ordinary	1,352	1,352
19-May-2022	The Vanguard Group, Inc.	BUY	107.50	Ordinary	1,140	1,140
19-May-2022	The Vanguard Group, Inc.	BUY	107.50	Ordinary	424	424
19-May-2022	The Vanguard Group, Inc.	BUY	107.50	Ordinary	424	424
19-May-2022	The Vanguard Group, Inc.	BUY	106.03	Ordinary	5,578	5,578
19-May-2022	The Vanguard Group, Inc.	BUY	106.75	Ordinary	180	180
20-May-2022	The Vanguard Group, Inc.	BUY	108.35	Ordinary	9,390	9,390
23-May-2022	The Vanguard Group, Inc.	BUY	109.50	Ordinary	145	145
24-May-2022	The Vanguard Group, Inc.	BUY	110.47	Ordinary	4,380	4,380
24-May-2022	The Vanguard Group, Inc.	BUY	110.40	Ordinary	639	639
25-May-2022	The Vanguard Group, Inc.	BUY	111.62	Ordinary	2,130	2,130
25-May-2022	The Vanguard Group, Inc.	BUY	111.62	Ordinary	639	639
25-May-2022	The Vanguard Group, Inc.	BUY	111.62	Ordinary	426	426
25-May-2022	The Vanguard Group, Inc.	BUY	111.96	Ordinary	182	182
26-May-2022	The Vanguard Group, Inc.	BUY	111.45	Ordinary	976	976
26-May-2022	The Vanguard Group, Inc.	BUY	111.45	Ordinary	426	426
27-May-2022	The Vanguard Group, Inc.	BUY	113.39	Ordinary	149	149
27-May-2022	The Vanguard Group, Inc.	BUY	113.39	Ordinary	180	180
30-May-2022	The Vanguard Group, Inc.	BUY	114.28	Ordinary	1,724	1,724
30-May-2022	The Vanguard Group, Inc.	BUY	114.28	Ordinary	4,766	4,766
30-May-2022	The Vanguard Group, Inc.	BUY	114.28	Ordinary	6,104	6,104
31-May-2022	The Vanguard Group, Inc.	SELL	114.45	Ordinary	(1,158)	(1,158)
1-Jun-2022	The Vanguard Group, Inc.	BUY	114.91	Ordinary	1,113	1,113
2-Jun-2022	The Vanguard Group, Inc.	BUY	113.01	Ordinary	107	107
2-Jun-2022	The Vanguard Group, Inc.	BUY	115.28	Ordinary	972	972
2-Jun-2022	The Vanguard Group, Inc.	BUY	114.11	Ordinary	5,291	5,291
2-Jun-2022	The Vanguard Group, Inc.	BUY	115.28	Ordinary	1,520	1,520
2-Jun-2022	The Vanguard Group, Inc.	BUY	114.11	Ordinary	375	375
2-Jun-2022	The Vanguard Group, Inc.	BUY	115.28	Ordinary	426	426
2-Jun-2022	The Vanguard Group, Inc.	SELL	114.05	Ordinary	(864)	(864)
2-Jun-2022	The Vanguard Group, Inc.	BUY	113.01	Ordinary	179	179
3-Jun-2022	The Vanguard Group, Inc.	BUY	115.96	Ordinary	639	639
3-Jun-2022	The Vanguard Group, Inc.	BUY	116.03	Ordinary	150	150

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-Jun-2022	The Vanguard Group, Inc.	BUY	116.03	Ordinary	179	179
7-Jun-2022	The Vanguard Group, Inc.	BUY	116.55	Ordinary	180	180
8-Jun-2022	The Vanguard Group, Inc.	SELL	118.92	Ordinary	(20,807)	(20,807)
8-Jun-2022	The Vanguard Group, Inc.	BUY	118.92	Ordinary	733	733
8-Jun-2022	The Vanguard Group, Inc.	BUY	118.92	Ordinary	417	417
8-Jun-2022	The Vanguard Group, Inc.	BUY	118.92	Ordinary	142	142
10-Jun-2022	The Vanguard Group, Inc.	BUY	115.90	Ordinary	534	534
13-Jun-2022	The Vanguard Group, Inc.	BUY	106.25	Ordinary	639	639
13-Jun-2022	The Vanguard Group, Inc.	BUY	106.25	Ordinary	639	639
14-Jun-2022	The Vanguard Group, Inc.	SELL	110.75	Ordinary	(155)	(155)
14-Jun-2022	The Vanguard Group, Inc.	BUY	111.05	Ordinary	733	733
14-Jun-2022	The Vanguard Group, Inc.	BUY	111.05	Ordinary	147	147
14-Jun-2022	The Vanguard Group, Inc.	BUY	111.05	Ordinary	149	149
14-Jun-2022	The Vanguard Group, Inc.	BUY	111.05	Ordinary	716	716
15-Jun-2022	The Vanguard Group, Inc.	SELL	110.96	Ordinary	(12,675)	(12,675)
15-Jun-2022	The Vanguard Group, Inc.	BUY	110.96	Ordinary	152	152
16-Jun-2022	The Vanguard Group, Inc.	BUY	108.84	Ordinary	1,278	1,278
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.02	Ordinary	(901)	(901)
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.43	Ordinary	(1)	(1)
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.02	Ordinary	(21,179)	(21,179)
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.43	Ordinary	(9)	(9)
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.02	Ordinary	(4,692)	(4,692)
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.43	Ordinary	(2)	(2)
17-Jun-2022	The Vanguard Group, Inc.	BUY	107.01	Ordinary	24	24
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.02	Ordinary	(12,969)	(12,969)
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.43	Ordinary	(5)	(5)
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.02	Ordinary	(8,950)	(8,950)
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.43	Ordinary	(2)	(2)
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.02	Ordinary	(3,585)	(3,585)
17-Jun-2022	The Vanguard Group, Inc.	SELL	107.43	Ordinary	(1)	(1)
20-Jun-2022	The Vanguard Group, Inc.	SELL	101.59	Ordinary	(14,400)	(14,400)
20-Jun-2022	The Vanguard Group, Inc.	BUY	101.59	Ordinary	656	656
21-Jun-2022	The Vanguard Group, Inc.	BUY	103.90	Ordinary	310	310
21-Jun-2022	The Vanguard Group, Inc.	BUY	103.90	Ordinary	155	155
22-Jun-2022	The Vanguard Group, Inc.	BUY	104.50	Ordinary	141	141
24-Jun-2022	The Vanguard Group, Inc.	BUY	103.55	Ordinary	1,168	1,168
24-Jun-2022	The Vanguard Group, Inc.	BUY	101.40	Ordinary	152	152
24-Jun-2022	The Vanguard Group, Inc.	BUY	101.40	Ordinary	318	318
27-Jun-2022	The Vanguard Group, Inc.	BUY	103.81	Ordinary	420	420
27-Jun-2022	The Vanguard Group, Inc.	BUY	103.81	Ordinary	944	944
28-Jun-2022	The Vanguard Group, Inc.	BUY	106.13	Ordinary	2,358	2,358
28-Jun-2022	The Vanguard Group, Inc.	BUY	106.92	Ordinary	4,819	4,819
28-Jun-2022	The Vanguard Group, Inc.	BUY	104.60	Ordinary	490	490
28-Jun-2022	The Vanguard Group, Inc.	BUY	106.92	Ordinary	4,261	4,261
28-Jun-2022	The Vanguard Group, Inc.	BUY	106.92	Ordinary	513	513
28-Jun-2022	The Vanguard Group, Inc.	BUY	106.92	Ordinary	154	154
28-Jun-2022	The Vanguard Group, Inc.	BUY	106.92	Ordinary	364	364
29-Jun-2022	The Vanguard Group, Inc.	BUY	106.23	Ordinary	652	652
29-Jun-2022	The Vanguard Group, Inc.	BUY	105.81	Ordinary	472	472
29-Jun-2022	The Vanguard Group, Inc.	BUY	106.11	Ordinary	4,498	4,498
29-Jun-2022	The Vanguard Group, Inc.	SELL	106.38	Ordinary	(528)	(528)
29-Jun-2022	The Vanguard Group, Inc.	BUY	105.81	Ordinary	630	630
29-Jun-2022	The Vanguard Group, Inc.	BUY	105.81	Ordinary	840	840
29-Jun-2022	The Vanguard Group, Inc.	BUY	106.11	Ordinary	6,058	6,058
29-Jun-2022	The Vanguard Group, Inc.	BUY	106.23	Ordinary	152	152
29-Jun-2022	The Vanguard Group, Inc.	BUY	106.23	Ordinary	362	362
30-Jun-2022	The Vanguard Group, Inc.	BUY	103.35	Ordinary	1,970	1,970
30-Jun-2022	The Vanguard Group, Inc.	BUY	103.35	Ordinary	6,620	6,620
30-Jun-2022	The Vanguard Group, Inc.	BUY	103.35	Ordinary	4,965	4,965
30-Jun-2022	The Vanguard Group, Inc.	BUY	103.35	Ordinary	1,655	1,655
30-Jun-2022	The Vanguard Group, Inc.	SELL	102.70	Ordinary	(62)	(62)
30-Jun-2022	The Vanguard Group, Inc.	SELL	102.70	Ordinary	(300)	(300)
1-Jul-2022	The Vanguard Group, Inc.	BUY	102.07	Ordinary	4,728	4,728
1-Jul-2022	The Vanguard Group, Inc.	BUY	102.07	Ordinary	4,092	4,092
1-Jul-2022	The Vanguard Group, Inc.	BUY	102.07	Ordinary	1,460	1,460
5-Jul-2022	The Vanguard Group, Inc.	BUY	98.55	Ordinary	2,364	2,364
5-Jul-2022	The Vanguard Group, Inc.	BUY	98.55	Ordinary	2,704	2,704
5-Jul-2022	The Vanguard Group, Inc.	BUY	100.78	Ordinary	179	179
5-Jul-2022	The Vanguard Group, Inc.	BUY	100.78	Ordinary	358	358
6-Jul-2022	The Vanguard Group, Inc.	BUY	93.37	Ordinary	1,086	1,086
6-Jul-2022	The Vanguard Group, Inc.	BUY	94.15	Ordinary	858	858

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
6-Jul-2022	The Vanguard Group, Inc.	BUY	94.15	Ordinary	1,008	1,008
6-Jul-2022	The Vanguard Group, Inc.	BUY	94.15	Ordinary	1,606	1,606
6-Jul-2022	The Vanguard Group, Inc.	BUY	97.20	Ordinary	5,736	5,736
6-Jul-2022	The Vanguard Group, Inc.	BUY	93.37	Ordinary	322	322
6-Jul-2022	The Vanguard Group, Inc.	BUY	93.37	Ordinary	362	362
7-Jul-2022	The Vanguard Group, Inc.	BUY	96.31	Ordinary	2,254	2,254
7-Jul-2022	The Vanguard Group, Inc.	BUY	98.64	Ordinary	2,350	2,350
7-Jul-2022	The Vanguard Group, Inc.	BUY	97.18	Ordinary	100	100
7-Jul-2022	The Vanguard Group, Inc.	BUY	96.31	Ordinary	6,765	6,765
8-Jul-2022	The Vanguard Group, Inc.	BUY	97.99	Ordinary	1,332	1,332
8-Jul-2022	The Vanguard Group, Inc.	BUY	99.53	Ordinary	4,786	4,786
11-Jul-2022	The Vanguard Group, Inc.	BUY	96.08	Ordinary	6,872	6,872
12-Jul-2022	The Vanguard Group, Inc.	BUY	96.02	Ordinary	1,970	1,970
12-Jul-2022	The Vanguard Group, Inc.	BUY	96.02	Ordinary	14,652	14,652
12-Jul-2022	The Vanguard Group, Inc.	BUY	95.57	Ordinary	8,387	8,387
12-Jul-2022	The Vanguard Group, Inc.	BUY	96.02	Ordinary	1,460	1,460
12-Jul-2022	The Vanguard Group, Inc.	BUY	95.57	Ordinary	6,789	6,789
12-Jul-2022	The Vanguard Group, Inc.	BUY	96.02	Ordinary	630	630
13-Jul-2022	The Vanguard Group, Inc.	BUY	94.39	Ordinary	3,910	3,910
13-Jul-2022	The Vanguard Group, Inc.	BUY	94.10	Ordinary	650	650
13-Jul-2022	The Vanguard Group, Inc.	BUY	94.41	Ordinary	420	420
14-Jul-2022	The Vanguard Group, Inc.	BUY	93.93	Ordinary	420	420
14-Jul-2022	The Vanguard Group, Inc.	BUY	96.01	Ordinary	156	156
15-Jul-2022	The Vanguard Group, Inc.	BUY	94.31	Ordinary	2,751	2,751
15-Jul-2022	The Vanguard Group, Inc.	BUY	93.27	Ordinary	13,743	13,743
19-Jul-2022	The Vanguard Group, Inc.	SELL	96.67	Ordinary	(10,677)	(10,677)
19-Jul-2022	The Vanguard Group, Inc.	BUY	95.80	Ordinary	4,004	4,004
19-Jul-2022	The Vanguard Group, Inc.	BUY	95.71	Ordinary	656	656
19-Jul-2022	The Vanguard Group, Inc.	BUY	96.67	Ordinary	420	420
19-Jul-2022	The Vanguard Group, Inc.	BUY	96.67	Ordinary	630	630
20-Jul-2022	The Vanguard Group, Inc.	BUY	96.78	Ordinary	999	999
20-Jul-2022	The Vanguard Group, Inc.	BUY	97.61	Ordinary	3,957	3,957
20-Jul-2022	The Vanguard Group, Inc.	BUY	97.80	Ordinary	5,786	5,786
20-Jul-2022	The Vanguard Group, Inc.	BUY	97.61	Ordinary	9,625	9,625
20-Jul-2022	The Vanguard Group, Inc.	BUY	97.61	Ordinary	5,034	5,034
21-Jul-2022	The Vanguard Group, Inc.	BUY	96.59	Ordinary	5,257	5,257
21-Jul-2022	The Vanguard Group, Inc.	BUY	96.59	Ordinary	6,011	6,011
22-Jul-2022	The Vanguard Group, Inc.	BUY	96.26	Ordinary	6,769	6,769
22-Jul-2022	The Vanguard Group, Inc.	BUY	95.37	Ordinary	4,850	4,850
25-Jul-2022	The Vanguard Group, Inc.	BUY	97.11	Ordinary	8,922	8,922
25-Jul-2022	The Vanguard Group, Inc.	SELL	97.14	Ordinary	(1,086)	(1,086)
26-Jul-2022	The Vanguard Group, Inc.	BUY	98.96	Ordinary	426	426
26-Jul-2022	The Vanguard Group, Inc.	BUY	98.00	Ordinary	146	146
26-Jul-2022	The Vanguard Group, Inc.	BUY	98.68	Ordinary	8,735	8,735
26-Jul-2022	The Vanguard Group, Inc.	SELL	98.96	Ordinary	(1,288)	(1,288)
27-Jul-2022	The Vanguard Group, Inc.	BUY	98.20	Ordinary	3,950	3,950
27-Jul-2022	The Vanguard Group, Inc.	BUY	98.20	Ordinary	630	630
28-Jul-2022	The Vanguard Group, Inc.	BUY	97.70	Ordinary	651	651
28-Jul-2022	The Vanguard Group, Inc.	BUY	97.91	Ordinary	1,975	1,975
28-Jul-2022	The Vanguard Group, Inc.	BUY	97.47	Ordinary	1,605	1,605
29-Jul-2022	The Vanguard Group, Inc.	BUY	98.52	Ordinary	5,749	5,749
1-Aug-2022	The Vanguard Group, Inc.	BUY	98.73	Ordinary	1,190	1,190
1-Aug-2022	The Vanguard Group, Inc.	BUY	98.86	Ordinary	3,741	3,741
2-Aug-2022	The Vanguard Group, Inc.	BUY	97.30	Ordinary	324	324
3-Aug-2022	The Vanguard Group, Inc.	BUY	96.73	Ordinary	2,993	2,993
3-Aug-2022	The Vanguard Group, Inc.	BUY	97.25	Ordinary	2,997	2,997
3-Aug-2022	The Vanguard Group, Inc.	BUY	97.25	Ordinary	999	999
4-Aug-2022	The Vanguard Group, Inc.	BUY	95.30	Ordinary	732	732
4-Aug-2022	The Vanguard Group, Inc.	BUY	95.89	Ordinary	1,182	1,182
4-Aug-2022	The Vanguard Group, Inc.	BUY	95.89	Ordinary	999	999
4-Aug-2022	The Vanguard Group, Inc.	BUY	95.30	Ordinary	93	93
4-Aug-2022	The Vanguard Group, Inc.	BUY	95.51	Ordinary	3,712	3,712
4-Aug-2022	The Vanguard Group, Inc.	BUY	95.89	Ordinary	1,752	1,752
4-Aug-2022	The Vanguard Group, Inc.	BUY	95.30	Ordinary	322	322
5-Aug-2022	The Vanguard Group, Inc.	SELL	97.74	Ordinary	(546)	(546)
8-Aug-2022	The Vanguard Group, Inc.	BUY	98.77	Ordinary	3,209	3,209
8-Aug-2022	The Vanguard Group, Inc.	BUY	98.77	Ordinary	1,508	1,508
8-Aug-2022	The Vanguard Group, Inc.	BUY	99.75	Ordinary	211	211
8-Aug-2022	The Vanguard Group, Inc.	BUY	99.57	Ordinary	154	154
9-Aug-2022	The Vanguard Group, Inc.	BUY	99.39	Ordinary	679	679
9-Aug-2022	The Vanguard Group, Inc.	BUY	99.37	Ordinary	6,333	6,333

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10-Aug-2022	The Vanguard Group, Inc.	BUY	100.44	Ordinary	948	948
10-Aug-2022	The Vanguard Group, Inc.	BUY	99.71	Ordinary	3,814	3,814
10-Aug-2022	The Vanguard Group, Inc.	BUY	100.44	Ordinary	2,765	2,765
10-Aug-2022	The Vanguard Group, Inc.	BUY	100.44	Ordinary	1,975	1,975
10-Aug-2022	The Vanguard Group, Inc.	BUY	100.44	Ordinary	2,370	2,370
10-Aug-2022	The Vanguard Group, Inc.	BUY	100.44	Ordinary	4,740	4,740
10-Aug-2022	The Vanguard Group, Inc.	BUY	99.18	Ordinary	4,019	4,019
10-Aug-2022	The Vanguard Group, Inc.	BUY	100.44	Ordinary	3,650	3,650
10-Aug-2022	The Vanguard Group, Inc.	BUY	100.44	Ordinary	1,266	1,266
10-Aug-2022	The Vanguard Group, Inc.	BUY	99.18	Ordinary	158	158
11-Aug-2022	The Vanguard Group, Inc.	BUY	95.28	Ordinary	3,609	3,609
11-Aug-2022	The Vanguard Group, Inc.	BUY	95.28	Ordinary	5,168	5,168
11-Aug-2022	The Vanguard Group, Inc.	BUY	95.00	Ordinary	422	422
12-Aug-2022	The Vanguard Group, Inc.	BUY	95.41	Ordinary	295	295
16-Aug-2022	The Vanguard Group, Inc.	BUY	96.08	Ordinary	1,580	1,580
17-Aug-2022	The Vanguard Group, Inc.	BUY	96.61	Ordinary	3,843	3,843
18-Aug-2022	The Vanguard Group, Inc.	SELL	96.37	Ordinary	(461)	(461)
18-Aug-2022	The Vanguard Group, Inc.	BUY	97.39	Ordinary	940	940
18-Aug-2022	The Vanguard Group, Inc.	BUY	96.37	Ordinary	1,486	1,486
18-Aug-2022	The Vanguard Group, Inc.	BUY	97.10	Ordinary	326	326
19-Aug-2022	The Vanguard Group, Inc.	BUY	97.60	Ordinary	2,914	2,914
19-Aug-2022	The Vanguard Group, Inc.	BUY	98.12	Ordinary	234	234
22-Aug-2022	The Vanguard Group, Inc.	BUY	97.89	Ordinary	3,160	3,160
22-Aug-2022	The Vanguard Group, Inc.	BUY	96.48	Ordinary	5,793	5,793
23-Aug-2022	The Vanguard Group, Inc.	BUY	98.42	Ordinary	1,975	1,975
24-Aug-2022	The Vanguard Group, Inc.	BUY	97.54	Ordinary	1,095	1,095
24-Aug-2022	The Vanguard Group, Inc.	BUY	97.10	Ordinary	4,446	4,446
25-Aug-2022	The Vanguard Group, Inc.	BUY	97.10	Ordinary	5,468	5,468
26-Aug-2022	The Vanguard Group, Inc.	BUY	98.13	Ordinary	4,469	4,469
29-Aug-2022	The Vanguard Group, Inc.	BUY	96.89	Ordinary	1,975	1,975
29-Aug-2022	The Vanguard Group, Inc.	BUY	96.89	Ordinary	639	639
31-Aug-2022	The Vanguard Group, Inc.	BUY	94.50	Ordinary	1,066	1,066
31-Aug-2022	The Vanguard Group, Inc.	BUY	94.50	Ordinary	678	678
31-Aug-2022	The Vanguard Group, Inc.	BUY	94.50	Ordinary	815	815
31-Aug-2022	The Vanguard Group, Inc.	BUY	94.50	Ordinary	6,262	6,262
1-Sep-2022	The Vanguard Group, Inc.	BUY	92.52	Ordinary	653	653
1-Sep-2022	The Vanguard Group, Inc.	BUY	93.65	Ordinary	4,573	4,573
1-Sep-2022	The Vanguard Group, Inc.	BUY	91.91	Ordinary	852	852
1-Sep-2022	The Vanguard Group, Inc.	BUY	92.52	Ordinary	1,440	1,440
2-Sep-2022	The Vanguard Group, Inc.	SELL	90.19	Ordinary	(138)	(138)
2-Sep-2022	The Vanguard Group, Inc.	BUY	90.80	Ordinary	2,772	2,772
2-Sep-2022	The Vanguard Group, Inc.	BUY	90.80	Ordinary	1,980	1,980
2-Sep-2022	The Vanguard Group, Inc.	BUY	90.52	Ordinary	3,862	3,862
2-Sep-2022	The Vanguard Group, Inc.	BUY	90.80	Ordinary	1,278	1,278
5-Sep-2022	The Vanguard Group, Inc.	BUY	91.55	Ordinary	4,004	4,004
5-Sep-2022	The Vanguard Group, Inc.	BUY	91.55	Ordinary	4,781	4,781
6-Sep-2022	The Vanguard Group, Inc.	BUY	90.80	Ordinary	111	111
6-Sep-2022	The Vanguard Group, Inc.	BUY	89.97	Ordinary	426	426
6-Sep-2022	The Vanguard Group, Inc.	BUY	90.80	Ordinary	296	296
7-Sep-2022	The Vanguard Group, Inc.	BUY	89.32	Ordinary	1,500	1,500
7-Sep-2022	The Vanguard Group, Inc.	BUY	89.32	Ordinary	3,000	3,000
7-Sep-2022	The Vanguard Group, Inc.	BUY	90.55	Ordinary	5,588	5,588
8-Sep-2022	The Vanguard Group, Inc.	BUY	91.86	Ordinary	222	222
8-Sep-2022	The Vanguard Group, Inc.	BUY	91.03	Ordinary	4,896	4,896
8-Sep-2022	The Vanguard Group, Inc.	BUY	91.03	Ordinary	5,919	5,919
8-Sep-2022	The Vanguard Group, Inc.	BUY	91.86	Ordinary	137	137
9-Sep-2022	The Vanguard Group, Inc.	BUY	95.78	Ordinary	1,980	1,980
9-Sep-2022	The Vanguard Group, Inc.	BUY	94.36	Ordinary	298	298
12-Sep-2022	The Vanguard Group, Inc.	BUY	96.54	Ordinary	3,168	3,168
12-Sep-2022	The Vanguard Group, Inc.	BUY	96.54	Ordinary	1,425	1,425
13-Sep-2022	The Vanguard Group, Inc.	BUY	94.62	Ordinary	1,275	1,275
14-Sep-2022	The Vanguard Group, Inc.	SELL	94.83	Ordinary	(18,724)	(18,724)
15-Sep-2022	The Vanguard Group, Inc.	BUY	94.64	Ordinary	143	143
16-Sep-2022	The Vanguard Group, Inc.	BUY	92.45	Ordinary	404	404
16-Sep-2022	The Vanguard Group, Inc.	BUY	92.45	Ordinary	4,856	4,856
16-Sep-2022	The Vanguard Group, Inc.	BUY	92.45	Ordinary	39	39
16-Sep-2022	The Vanguard Group, Inc.	SELL	92.45	Ordinary	(22,847)	(22,847)
16-Sep-2022	The Vanguard Group, Inc.	SELL	92.45	Ordinary	(8,395)	(8,395)
16-Sep-2022	The Vanguard Group, Inc.	BUY	92.56	Ordinary	426	426
16-Sep-2022	The Vanguard Group, Inc.	BUY	92.45	Ordinary	2,452	2,452
16-Sep-2022	The Vanguard Group, Inc.	BUY	92.45	Ordinary	304	304



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16-Sep-2022	The Vanguard Group, Inc.	SELL	92.45	Ordinary	(1,161)	(1,161)
16-Sep-2022	The Vanguard Group, Inc.	BUY	92.45	Ordinary	356	356
19-Sep-2022	The Vanguard Group, Inc.	BUY	93.40	Ordinary	1,065	1,065
19-Sep-2022	The Vanguard Group, Inc.	BUY	93.40	Ordinary	422	422
20-Sep-2022	The Vanguard Group, Inc.	BUY	93.76	Ordinary	9,305	9,305
21-Sep-2022	The Vanguard Group, Inc.	BUY	91.05	Ordinary	2,364	2,364
21-Sep-2022	The Vanguard Group, Inc.	BUY	93.10	Ordinary	4,038	4,038
21-Sep-2022	The Vanguard Group, Inc.	BUY	91.23	Ordinary	471	471
22-Sep-2022	The Vanguard Group, Inc.	BUY	90.95	Ordinary	633	633
23-Sep-2022	The Vanguard Group, Inc.	BUY	93.00	Ordinary	986	986
23-Sep-2022	The Vanguard Group, Inc.	BUY	93.65	Ordinary	9,200	9,200
23-Sep-2022	The Vanguard Group, Inc.	BUY	93.65	Ordinary	750	750
23-Sep-2022	The Vanguard Group, Inc.	BUY	93.00	Ordinary	302	302
26-Sep-2022	The Vanguard Group, Inc.	BUY	87.78	Ordinary	5,697	5,697
26-Sep-2022	The Vanguard Group, Inc.	BUY	87.78	Ordinary	653	653
26-Sep-2022	The Vanguard Group, Inc.	BUY	88.52	Ordinary	665	665
26-Sep-2022	The Vanguard Group, Inc.	BUY	88.52	Ordinary	3,152	3,152
26-Sep-2022	The Vanguard Group, Inc.	BUY	88.52	Ordinary	1,065	1,065
26-Sep-2022	The Vanguard Group, Inc.	BUY	87.78	Ordinary	150	150
26-Sep-2022	The Vanguard Group, Inc.	BUY	87.78	Ordinary	310	310
26-Sep-2022	The Vanguard Group, Inc.	BUY	87.78	Ordinary	531	531
27-Sep-2022	The Vanguard Group, Inc.	BUY	90.39	Ordinary	114	114
27-Sep-2022	The Vanguard Group, Inc.	SELL	88.90	Ordinary	(327)	(327)
27-Sep-2022	The Vanguard Group, Inc.	BUY	89.60	Ordinary	948	948
27-Sep-2022	The Vanguard Group, Inc.	BUY	89.60	Ordinary	213	213
27-Sep-2022	The Vanguard Group, Inc.	BUY	89.73	Ordinary	22,737	22,737
27-Sep-2022	The Vanguard Group, Inc.	BUY	90.39	Ordinary	142	142
28-Sep-2022	The Vanguard Group, Inc.	BUY	90.00	Ordinary	1,878	1,878
28-Sep-2022	The Vanguard Group, Inc.	BUY	90.00	Ordinary	7,197	7,197
28-Sep-2022	The Vanguard Group, Inc.	BUY	90.00	Ordinary	1,978	1,978
28-Sep-2022	The Vanguard Group, Inc.	BUY	90.00	Ordinary	4,387	4,387
28-Sep-2022	The Vanguard Group, Inc.	BUY	90.00	Ordinary	5,525	5,525
28-Sep-2022	The Vanguard Group, Inc.	BUY	90.00	Ordinary	779	779
28-Sep-2022	The Vanguard Group, Inc.	BUY	90.00	Ordinary	292	292
28-Sep-2022	The Vanguard Group, Inc.	BUY	90.00	Ordinary	292	292
29-Sep-2022	The Vanguard Group, Inc.	BUY	90.91	Ordinary	1,048	1,048
29-Sep-2022	The Vanguard Group, Inc.	BUY	91.50	Ordinary	960	960
29-Sep-2022	The Vanguard Group, Inc.	BUY	91.50	Ordinary	844	844
30-Sep-2022	The Vanguard Group, Inc.	BUY	92.09	Ordinary	4,290	4,290
30-Sep-2022	The Vanguard Group, Inc.	BUY	94.57	Ordinary	844	844
3-Oct-2022	The Vanguard Group, Inc.	SELL	93.60	Ordinary	(322)	(322)
3-Oct-2022	The Vanguard Group, Inc.	BUY	94.90	Ordinary	948	948
3-Oct-2022	The Vanguard Group, Inc.	BUY	93.36	Ordinary	6,791	6,791
3-Oct-2022	The Vanguard Group, Inc.	BUY	94.90	Ordinary	1,065	1,065
3-Oct-2022	The Vanguard Group, Inc.	BUY	93.36	Ordinary	1,862	1,862
4-Oct-2022	The Vanguard Group, Inc.	BUY	97.67	Ordinary	948	948
4-Oct-2022	The Vanguard Group, Inc.	BUY	97.67	Ordinary	1,422	1,422
4-Oct-2022	The Vanguard Group, Inc.	BUY	97.67	Ordinary	948	948
4-Oct-2022	The Vanguard Group, Inc.	BUY	97.67	Ordinary	1,332	1,332
4-Oct-2022	The Vanguard Group, Inc.	BUY	95.31	Ordinary	8,901	8,901
4-Oct-2022	The Vanguard Group, Inc.	BUY	95.31	Ordinary	6,317	6,317
4-Oct-2022	The Vanguard Group, Inc.	BUY	97.67	Ordinary	422	422
4-Oct-2022	The Vanguard Group, Inc.	BUY	95.97	Ordinary	435	435
5-Oct-2022	The Vanguard Group, Inc.	BUY	98.88	Ordinary	5,113	5,113
5-Oct-2022	The Vanguard Group, Inc.	BUY	97.85	Ordinary	298	298
5-Oct-2022	The Vanguard Group, Inc.	BUY	97.85	Ordinary	175	175
6-Oct-2022	The Vanguard Group, Inc.	BUY	98.05	Ordinary	652	652
6-Oct-2022	The Vanguard Group, Inc.	BUY	96.93	Ordinary	660	660
6-Oct-2022	The Vanguard Group, Inc.	BUY	97.52	Ordinary	10,724	10,724
6-Oct-2022	The Vanguard Group, Inc.	BUY	96.93	Ordinary	633	633
7-Oct-2022	The Vanguard Group, Inc.	BUY	96.70	Ordinary	536	536
7-Oct-2022	The Vanguard Group, Inc.	BUY	96.67	Ordinary	171	171
10-Oct-2022	The Vanguard Group, Inc.	BUY	95.88	Ordinary	3,330	3,330
10-Oct-2022	The Vanguard Group, Inc.	BUY	98.36	Ordinary	422	422
10-Oct-2022	The Vanguard Group, Inc.	BUY	98.36	Ordinary	844	844
11-Oct-2022	The Vanguard Group, Inc.	BUY	96.54	Ordinary	685	685
11-Oct-2022	The Vanguard Group, Inc.	BUY	96.54	Ordinary	1,182	1,182
11-Oct-2022	The Vanguard Group, Inc.	BUY	98.88	Ordinary	472	472
11-Oct-2022	The Vanguard Group, Inc.	BUY	96.54	Ordinary	633	633
11-Oct-2022	The Vanguard Group, Inc.	SELL	96.90	Ordinary	(519)	(519)
12-Oct-2022	The Vanguard Group, Inc.	BUY	95.08	Ordinary	112	112

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12-Oct-2022	The Vanguard Group, Inc.	BUY	94.91	Ordinary	680	680
12-Oct-2022	The Vanguard Group, Inc.	BUY	94.91	Ordinary	3,152	3,152
12-Oct-2022	The Vanguard Group, Inc.	BUY	95.79	Ordinary	4,897	4,897
13-Oct-2022	The Vanguard Group, Inc.	SELL	95.64	Ordinary	(19,968)	(19,968)
13-Oct-2022	The Vanguard Group, Inc.	BUY	97.33	Ordinary	980	980
13-Oct-2022	The Vanguard Group, Inc.	BUY	95.12	Ordinary	4,105	4,105
14-Oct-2022	The Vanguard Group, Inc.	BUY	97.38	Ordinary	1,896	1,896
17-Oct-2022	The Vanguard Group, Inc.	BUY	95.00	Ordinary	945	945
17-Oct-2022	The Vanguard Group, Inc.	BUY	94.10	Ordinary	7,071	7,071
17-Oct-2022	The Vanguard Group, Inc.	BUY	95.00	Ordinary	710	710
17-Oct-2022	The Vanguard Group, Inc.	BUY	94.10	Ordinary	5,045	5,045
17-Oct-2022	The Vanguard Group, Inc.	BUY	95.00	Ordinary	633	633
18-Oct-2022	The Vanguard Group, Inc.	BUY	93.58	Ordinary	633	633
18-Oct-2022	The Vanguard Group, Inc.	SELL	94.27	Ordinary	(2,076)	(2,076)
18-Oct-2022	The Vanguard Group, Inc.	SELL	95.25	Ordinary	(835)	(835)
18-Oct-2022	The Vanguard Group, Inc.	BUY	94.27	Ordinary	1,197	1,197
19-Oct-2022	The Vanguard Group, Inc.	BUY	93.77	Ordinary	3,379	3,379
19-Oct-2022	The Vanguard Group, Inc.	BUY	93.26	Ordinary	695	695
20-Oct-2022	The Vanguard Group, Inc.	BUY	92.29	Ordinary	272	272
20-Oct-2022	The Vanguard Group, Inc.	BUY	92.29	Ordinary	544	544
20-Oct-2022	The Vanguard Group, Inc.	BUY	92.29	Ordinary	3,160	3,160
20-Oct-2022	The Vanguard Group, Inc.	BUY	92.29	Ordinary	422	422
21-Oct-2022	The Vanguard Group, Inc.	BUY	93.53	Ordinary	1,175	1,175
21-Oct-2022	The Vanguard Group, Inc.	BUY	93.53	Ordinary	940	940
21-Oct-2022	The Vanguard Group, Inc.	BUY	93.53	Ordinary	2,765	2,765
21-Oct-2022	The Vanguard Group, Inc.	BUY	93.53	Ordinary	2,370	2,370
21-Oct-2022	The Vanguard Group, Inc.	BUY	93.53	Ordinary	2,331	2,331
21-Oct-2022	The Vanguard Group, Inc.	BUY	92.17	Ordinary	5,072	5,072
21-Oct-2022	The Vanguard Group, Inc.	BUY	93.53	Ordinary	422	422
24-Oct-2022	The Vanguard Group, Inc.	BUY	92.33	Ordinary	405	405
24-Oct-2022	The Vanguard Group, Inc.	BUY	94.17	Ordinary	7,957	7,957
25-Oct-2022	The Vanguard Group, Inc.	BUY	92.35	Ordinary	944	944
25-Oct-2022	The Vanguard Group, Inc.	BUY	92.44	Ordinary	6,884	6,884
25-Oct-2022	The Vanguard Group, Inc.	BUY	91.32	Ordinary	458	458
25-Oct-2022	The Vanguard Group, Inc.	BUY	92.35	Ordinary	633	633
25-Oct-2022	The Vanguard Group, Inc.	SELL	91.32	Ordinary	(266)	(266)
26-Oct-2022	The Vanguard Group, Inc.	SELL	91.86	Ordinary	(67)	(67)
26-Oct-2022	The Vanguard Group, Inc.	BUY	91.72	Ordinary	1,715	1,715
26-Oct-2022	The Vanguard Group, Inc.	BUY	93.21	Ordinary	2,596	2,596
26-Oct-2022	The Vanguard Group, Inc.	BUY	93.21	Ordinary	3,555	3,555
26-Oct-2022	The Vanguard Group, Inc.	BUY	93.21	Ordinary	1,420	1,420
26-Oct-2022	The Vanguard Group, Inc.	BUY	93.21	Ordinary	422	422
26-Oct-2022	The Vanguard Group, Inc.	BUY	93.21	Ordinary	1,266	1,266
26-Oct-2022	The Vanguard Group, Inc.	SELL	91.67	Ordinary	(1,573)	(1,573)
28-Oct-2022	The Vanguard Group, Inc.	BUY	88.66	Ordinary	2,370	2,370
28-Oct-2022	The Vanguard Group, Inc.	BUY	90.39	Ordinary	6,036	6,036
28-Oct-2022	The Vanguard Group, Inc.	SELL	90.43	Ordinary	(281)	(281)
1-Nov-2022	The Vanguard Group, Inc.	BUY	88.93	Ordinary	331	331
1-Nov-2022	The Vanguard Group, Inc.	BUY	91.44	Ordinary	536	536
1-Nov-2022	The Vanguard Group, Inc.	BUY	91.44	Ordinary	5,135	5,135
1-Nov-2022	The Vanguard Group, Inc.	BUY	91.44	Ordinary	422	422
1-Nov-2022	The Vanguard Group, Inc.	BUY	91.44	Ordinary	1,477	1,477
1-Nov-2022	The Vanguard Group, Inc.	BUY	90.49	Ordinary	348	348
2-Nov-2022	The Vanguard Group, Inc.	BUY	91.15	Ordinary	1,560	1,560
2-Nov-2022	The Vanguard Group, Inc.	BUY	91.70	Ordinary	5,319	5,319
3-Nov-2022	The Vanguard Group, Inc.	BUY	90.55	Ordinary	2,130	2,130
3-Nov-2022	The Vanguard Group, Inc.	BUY	90.55	Ordinary	422	422
3-Nov-2022	The Vanguard Group, Inc.	BUY	90.56	Ordinary	282	282
4-Nov-2022	The Vanguard Group, Inc.	BUY	92.80	Ordinary	111	111
4-Nov-2022	The Vanguard Group, Inc.	BUY	96.26	Ordinary	2,088	2,088
4-Nov-2022	The Vanguard Group, Inc.	BUY	96.26	Ordinary	528	528
4-Nov-2022	The Vanguard Group, Inc.	BUY	96.26	Ordinary	2,370	2,370
4-Nov-2022	The Vanguard Group, Inc.	BUY	96.26	Ordinary	2,765	2,765
4-Nov-2022	The Vanguard Group, Inc.	BUY	91.90	Ordinary	12,017	12,017
4-Nov-2022	The Vanguard Group, Inc.	BUY	96.26	Ordinary	633	633
7-Nov-2022	The Vanguard Group, Inc.	BUY	96.28	Ordinary	522	522
8-Nov-2022	The Vanguard Group, Inc.	BUY	96.46	Ordinary	5,023	5,023
8-Nov-2022	The Vanguard Group, Inc.	BUY	96.46	Ordinary	5,247	5,247
8-Nov-2022	The Vanguard Group, Inc.	BUY	96.35	Ordinary	290	290
9-Nov-2022	The Vanguard Group, Inc.	BUY	98.63	Ordinary	5,246	5,246
9-Nov-2022	The Vanguard Group, Inc.	BUY	98.63	Ordinary	4,013	4,013

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
9-Nov-2022	The Vanguard Group, Inc.	BUY	98.63	Ordinary	346	346
10-Nov-2022	The Vanguard Group, Inc.	BUY	101.69	Ordinary	284	284
10-Nov-2022	The Vanguard Group, Inc.	BUY	101.69	Ordinary	1,580	1,580
10-Nov-2022	The Vanguard Group, Inc.	BUY	101.69	Ordinary	1,975	1,975
10-Nov-2022	The Vanguard Group, Inc.	BUY	101.69	Ordinary	2,370	2,370
10-Nov-2022	The Vanguard Group, Inc.	BUY	101.69	Ordinary	2,059	2,059
11-Nov-2022	The Vanguard Group, Inc.	BUY	100.99	Ordinary	3,149	3,149
11-Nov-2022	The Vanguard Group, Inc.	BUY	102.63	Ordinary	477	477
11-Nov-2022	The Vanguard Group, Inc.	BUY	104.42	Ordinary	633	633
11-Nov-2022	The Vanguard Group, Inc.	BUY	102.63	Ordinary	138	138
14-Nov-2022	The Vanguard Group, Inc.	BUY	105.70	Ordinary	422	422
15-Nov-2022	The Vanguard Group, Inc.	BUY	106.07	Ordinary	568	568
15-Nov-2022	The Vanguard Group, Inc.	BUY	103.67	Ordinary	944	944
15-Nov-2022	The Vanguard Group, Inc.	BUY	106.42	Ordinary	45	45
15-Nov-2022	The Vanguard Group, Inc.	BUY	106.07	Ordinary	426	426
15-Nov-2022	The Vanguard Group, Inc.	BUY	106.07	Ordinary	422	422
16-Nov-2022	The Vanguard Group, Inc.	SELL	108.06	Ordinary	(39)	(39)
16-Nov-2022	The Vanguard Group, Inc.	SELL	108.10	Ordinary	(999)	(999)
18-Nov-2022	The Vanguard Group, Inc.	BUY	105.90	Ordinary	5,591	5,591
18-Nov-2022	The Vanguard Group, Inc.	BUY	106.57	Ordinary	1,055	1,055
18-Nov-2022	The Vanguard Group, Inc.	BUY	106.57	Ordinary	422	422
18-Nov-2022	The Vanguard Group, Inc.	BUY	106.38	Ordinary	346	346
22-Nov-2022	The Vanguard Group, Inc.	BUY	105.00	Ordinary	114	114
22-Nov-2022	The Vanguard Group, Inc.	BUY	106.16	Ordinary	2,005	2,005
22-Nov-2022	The Vanguard Group, Inc.	BUY	106.16	Ordinary	633	633
24-Nov-2022	The Vanguard Group, Inc.	BUY	106.65	Ordinary	2,620	2,620
25-Nov-2022	The Vanguard Group, Inc.	SELL	105.46	Ordinary	(1,998)	(1,998)
28-Nov-2022	The Vanguard Group, Inc.	BUY	104.66	Ordinary	560	560
29-Nov-2022	The Vanguard Group, Inc.	BUY	105.12	Ordinary	1,849	1,849
29-Nov-2022	The Vanguard Group, Inc.	BUY	107.83	Ordinary	296	296
30-Nov-2022	The Vanguard Group, Inc.	SELL	109.62	Ordinary	(1,841)	(1,841)
30-Nov-2022	The Vanguard Group, Inc.	BUY	109.62	Ordinary	350	350
1-Dec-2022	The Vanguard Group, Inc.	SELL	113.09	Ordinary	(1,332)	(1,332)
1-Dec-2022	The Vanguard Group, Inc.	BUY	110.55	Ordinary	896	896
2-Dec-2022	The Vanguard Group, Inc.	BUY	112.68	Ordinary	548	548
2-Dec-2022	The Vanguard Group, Inc.	BUY	111.94	Ordinary	47	47
2-Dec-2022	The Vanguard Group, Inc.	BUY	111.94	Ordinary	300	300
5-Dec-2022	The Vanguard Group, Inc.	BUY	116.13	Ordinary	62	62
5-Dec-2022	The Vanguard Group, Inc.	BUY	116.13	Ordinary	487	487
6-Dec-2022	The Vanguard Group, Inc.	BUY	115.48	Ordinary	633	633
6-Dec-2022	The Vanguard Group, Inc.	BUY	115.48	Ordinary	1,055	1,055
7-Dec-2022	The Vanguard Group, Inc.	SELL	116.90	Ordinary	(5,446)	(5,446)
8-Dec-2022	The Vanguard Group, Inc.	BUY	115.46	Ordinary	564	564
8-Dec-2022	The Vanguard Group, Inc.	BUY	115.46	Ordinary	422	422
8-Dec-2022	The Vanguard Group, Inc.	BUY	115.46	Ordinary	422	422
8-Dec-2022	The Vanguard Group, Inc.	BUY	114.14	Ordinary	5,236	5,236
12-Dec-2022	The Vanguard Group, Inc.	BUY	116.42	Ordinary	700	700
13-Dec-2022	The Vanguard Group, Inc.	BUY	114.10	Ordinary	3,900	3,900
13-Dec-2022	The Vanguard Group, Inc.	BUY	114.10	Ordinary	113	113
13-Dec-2022	The Vanguard Group, Inc.	BUY	114.79	Ordinary	710	710
13-Dec-2022	The Vanguard Group, Inc.	BUY	114.79	Ordinary	710	710
13-Dec-2022	The Vanguard Group, Inc.	BUY	114.79	Ordinary	426	426
13-Dec-2022	The Vanguard Group, Inc.	BUY	114.79	Ordinary	844	844
13-Dec-2022	The Vanguard Group, Inc.	BUY	114.10	Ordinary	352	352
16-Dec-2022	The Vanguard Group, Inc.	BUY	114.55	Ordinary	315	315
16-Dec-2022	The Vanguard Group, Inc.	SELL	114.55	Ordinary	(706)	(706)
16-Dec-2022	The Vanguard Group, Inc.	SELL	114.73	Ordinary	(4,928)	(4,928)
16-Dec-2022	The Vanguard Group, Inc.	BUY	114.55	Ordinary	5,038	5,038
16-Dec-2022	The Vanguard Group, Inc.	BUY	114.55	Ordinary	19	19
16-Dec-2022	The Vanguard Group, Inc.	SELL	114.55	Ordinary	(1,032)	(1,032)
16-Dec-2022	The Vanguard Group, Inc.	SELL	114.73	Ordinary	(7,217)	(7,217)
16-Dec-2022	The Vanguard Group, Inc.	SELL	114.55	Ordinary	(36)	(36)
16-Dec-2022	The Vanguard Group, Inc.	SELL	114.73	Ordinary	(247)	(247)
16-Dec-2022	The Vanguard Group, Inc.	BUY	114.55	Ordinary	1,607	1,607
16-Dec-2022	The Vanguard Group, Inc.	BUY	114.55	Ordinary	126	126
16-Dec-2022	The Vanguard Group, Inc.	BUY	114.55	Ordinary	298	298
16-Dec-2022	The Vanguard Group, Inc.	BUY	114.55	Ordinary	178	178
19-Dec-2022	The Vanguard Group, Inc.	BUY	114.64	Ordinary	633	633
20-Dec-2022	The Vanguard Group, Inc.	BUY	114.56	Ordinary	633	633
20-Dec-2022	The Vanguard Group, Inc.	BUY	114.56	Ordinary	422	422
21-Dec-2022	The Vanguard Group, Inc.	BUY	115.11	Ordinary	6,749	6,749

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21-Dec-2022	The Vanguard Group, Inc.	BUY	115.11	Ordinary	282	282
21-Dec-2022	The Vanguard Group, Inc.	BUY	115.11	Ordinary	350	350
22-Dec-2022	The Vanguard Group, Inc.	BUY	114.81	Ordinary	2,115	2,115
23-Dec-2022	The Vanguard Group, Inc.	BUY	115.43	Ordinary	50	50
23-Dec-2022	The Vanguard Group, Inc.	BUY	116.06	Ordinary	633	633
23-Dec-2022	The Vanguard Group, Inc.	BUY	115.43	Ordinary	143	143
28-Dec-2022	The Vanguard Group, Inc.	BUY	116.99	Ordinary	319	319
28-Dec-2022	The Vanguard Group, Inc.	BUY	116.99	Ordinary	680	680
28-Dec-2022	The Vanguard Group, Inc.	BUY	116.99	Ordinary	4,800	4,800
28-Dec-2022	The Vanguard Group, Inc.	BUY	116.99	Ordinary	1,055	1,055
29-Dec-2022	The Vanguard Group, Inc.	BUY	117.08	Ordinary	655	655
29-Dec-2022	The Vanguard Group, Inc.	BUY	117.51	Ordinary	2,400	2,400
29-Dec-2022	The Vanguard Group, Inc.	BUY	117.00	Ordinary	1,014	1,014
29-Dec-2022	The Vanguard Group, Inc.	BUY	117.08	Ordinary	268	268
3-Jan-2023	The Vanguard Group, Inc.	SELL	115.43	Ordinary	(1,329)	(1,329)
4-Jan-2023	The Vanguard Group, Inc.	BUY	117.34	Ordinary	589	589
4-Jan-2023	The Vanguard Group, Inc.	BUY	118.11	Ordinary	1,328	1,328
4-Jan-2023	The Vanguard Group, Inc.	BUY	117.34	Ordinary	282	282
4-Jan-2023	The Vanguard Group, Inc.	BUY	117.34	Ordinary	141	141
5-Jan-2023	The Vanguard Group, Inc.	BUY	116.80	Ordinary	1,926	1,926
5-Jan-2023	The Vanguard Group, Inc.	SELL	116.94	Ordinary	(5,103)	(5,103)
5-Jan-2023	The Vanguard Group, Inc.	BUY	117.53	Ordinary	422	422
5-Jan-2023	The Vanguard Group, Inc.	BUY	117.53	Ordinary	422	422
5-Jan-2023	The Vanguard Group, Inc.	BUY	117.23	Ordinary	361	361
6-Jan-2023	The Vanguard Group, Inc.	BUY	121.72	Ordinary	2,400	2,400
6-Jan-2023	The Vanguard Group, Inc.	BUY	121.72	Ordinary	996	996
6-Jan-2023	The Vanguard Group, Inc.	SELL	118.76	Ordinary	(3,970)	(3,970)
6-Jan-2023	The Vanguard Group, Inc.	SELL	118.76	Ordinary	(5,882)	(5,882)
6-Jan-2023	The Vanguard Group, Inc.	BUY	121.72	Ordinary	633	633
6-Jan-2023	The Vanguard Group, Inc.	BUY	119.63	Ordinary	290	290
9-Jan-2023	The Vanguard Group, Inc.	BUY	118.78	Ordinary	747	747
9-Jan-2023	The Vanguard Group, Inc.	SELL	118.78	Ordinary	(4,453)	(4,453)
10-Jan-2023	The Vanguard Group, Inc.	BUY	118.23	Ordinary	135	135
10-Jan-2023	The Vanguard Group, Inc.	BUY	118.23	Ordinary	348	348
11-Jan-2023	The Vanguard Group, Inc.	SELL	119.42	Ordinary	(80)	(80)
11-Jan-2023	The Vanguard Group, Inc.	SELL	120.45	Ordinary	(2,806)	(2,806)
11-Jan-2023	The Vanguard Group, Inc.	BUY	119.42	Ordinary	405	405
11-Jan-2023	The Vanguard Group, Inc.	BUY	119.42	Ordinary	522	522
12-Jan-2023	The Vanguard Group, Inc.	SELL	120.15	Ordinary	(8,464)	(8,464)
12-Jan-2023	The Vanguard Group, Inc.	SELL	121.16	Ordinary	(6,765)	(6,765)
12-Jan-2023	The Vanguard Group, Inc.	BUY	123.12	Ordinary	422	422
12-Jan-2023	The Vanguard Group, Inc.	BUY	123.12	Ordinary	422	422
13-Jan-2023	The Vanguard Group, Inc.	BUY	123.45	Ordinary	422	422
13-Jan-2023	The Vanguard Group, Inc.	BUY	122.29	Ordinary	130	130
16-Jan-2023	The Vanguard Group, Inc.	BUY	122.50	Ordinary	525	525
16-Jan-2023	The Vanguard Group, Inc.	BUY	122.50	Ordinary	508	508
17-Jan-2023	The Vanguard Group, Inc.	BUY	120.83	Ordinary	2,110	2,110
17-Jan-2023	The Vanguard Group, Inc.	BUY	120.67	Ordinary	127	127
18-Jan-2023	The Vanguard Group, Inc.	SELL	121.99	Ordinary	(140)	(140)
19-Jan-2023	The Vanguard Group, Inc.	BUY	125.96	Ordinary	1,308	1,308
19-Jan-2023	The Vanguard Group, Inc.	BUY	125.96	Ordinary	260	260
19-Jan-2023	The Vanguard Group, Inc.	BUY	125.96	Ordinary	348	348
20-Jan-2023	The Vanguard Group, Inc.	BUY	127.44	Ordinary	2,000	2,000
20-Jan-2023	The Vanguard Group, Inc.	SELL	125.65	Ordinary	(6,790)	(6,790)
20-Jan-2023	The Vanguard Group, Inc.	SELL	127.20	Ordinary	(9,944)	(9,944)
20-Jan-2023	The Vanguard Group, Inc.	SELL	125.65	Ordinary	(6,079)	(6,079)
20-Jan-2023	The Vanguard Group, Inc.	SELL	127.20	Ordinary	(7,411)	(7,411)
23-Jan-2023	The Vanguard Group, Inc.	SELL	126.38	Ordinary	(3,466)	(3,466)
24-Jan-2023	The Vanguard Group, Inc.	BUY	126.56	Ordinary	3,905	3,905
24-Jan-2023	The Vanguard Group, Inc.	BUY	127.28	Ordinary	633	633
24-Jan-2023	The Vanguard Group, Inc.	BUY	127.44	Ordinary	522	522
24-Jan-2023	The Vanguard Group, Inc.	BUY	127.44	Ordinary	348	348
27-Jan-2023	The Vanguard Group, Inc.	SELL	126.84	Ordinary	(9,156)	(9,156)
27-Jan-2023	The Vanguard Group, Inc.	BUY	127.15	Ordinary	24	24
27-Jan-2023	The Vanguard Group, Inc.	BUY	127.15	Ordinary	418	418
30-Jan-2023	The Vanguard Group, Inc.	BUY	125.52	Ordinary	8,547	8,547
31-Jan-2023	The Vanguard Group, Inc.	BUY	126.64	Ordinary	36	36
1-Feb-2023	The Vanguard Group, Inc.	BUY	128.43	Ordinary	3,195	3,195
1-Feb-2023	The Vanguard Group, Inc.	BUY	128.43	Ordinary	141	141
2-Feb-2023	The Vanguard Group, Inc.	BUY	125.43	Ordinary	4,983	4,983
2-Feb-2023	The Vanguard Group, Inc.	SELL	126.02	Ordinary	(3,422)	(3,422)

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3-Feb-2023	The Vanguard Group, Inc.	BUY	122.94	Ordinary	620	620
3-Feb-2023	The Vanguard Group, Inc.	BUY	122.94	Ordinary	7,645	7,645
3-Feb-2023	The Vanguard Group, Inc.	SELL	122.74	Ordinary	(714)	(714)
3-Feb-2023	The Vanguard Group, Inc.	SELL	122.74	Ordinary	(1,428)	(1,428)
3-Feb-2023	The Vanguard Group, Inc.	SELL	122.74	Ordinary	(993)	(993)
3-Feb-2023	The Vanguard Group, Inc.	BUY	122.94	Ordinary	44	44
3-Feb-2023	The Vanguard Group, Inc.	SELL	122.74	Ordinary	(710)	(710)
3-Feb-2023	The Vanguard Group, Inc.	BUY	122.94	Ordinary	135	135
3-Feb-2023	The Vanguard Group, Inc.	BUY	122.94	Ordinary	348	348
6-Feb-2023	The Vanguard Group, Inc.	BUY	124.01	Ordinary	3,540	3,540
7-Feb-2023	The Vanguard Group, Inc.	BUY	122.90	Ordinary	2,832	2,832
7-Feb-2023	The Vanguard Group, Inc.	BUY	122.90	Ordinary	1,692	1,692
7-Feb-2023	The Vanguard Group, Inc.	BUY	122.72	Ordinary	4,868	4,868
7-Feb-2023	The Vanguard Group, Inc.	BUY	122.90	Ordinary	132	132
8-Feb-2023	The Vanguard Group, Inc.	BUY	124.19	Ordinary	147	147
9-Feb-2023	The Vanguard Group, Inc.	BUY	123.84	Ordinary	2,400	2,400
10-Feb-2023	The Vanguard Group, Inc.	BUY	122.55	Ordinary	135	135
13-Feb-2023	The Vanguard Group, Inc.	BUY	123.14	Ordinary	633	633
13-Feb-2023	The Vanguard Group, Inc.	BUY	123.14	Ordinary	422	422
14-Feb-2023	The Vanguard Group, Inc.	BUY	121.99	Ordinary	3,539	3,539
15-Feb-2023	The Vanguard Group, Inc.	BUY	123.54	Ordinary	2,400	2,400
15-Feb-2023	The Vanguard Group, Inc.	BUY	123.54	Ordinary	422	422
15-Feb-2023	The Vanguard Group, Inc.	BUY	123.33	Ordinary	235	235
16-Feb-2023	The Vanguard Group, Inc.	BUY	123.68	Ordinary	47	47
16-Feb-2023	The Vanguard Group, Inc.	BUY	123.68	Ordinary	517	517
17-Feb-2023	The Vanguard Group, Inc.	BUY	124.26	Ordinary	788	788
17-Feb-2023	The Vanguard Group, Inc.	BUY	125.01	Ordinary	3,536	3,536
17-Feb-2023	The Vanguard Group, Inc.	BUY	124.58	Ordinary	422	422
17-Feb-2023	The Vanguard Group, Inc.	BUY	124.58	Ordinary	844	844
17-Feb-2023	The Vanguard Group, Inc.	BUY	124.26	Ordinary	329	329
20-Feb-2023	The Vanguard Group, Inc.	BUY	125.15	Ordinary	311	311
20-Feb-2023	The Vanguard Group, Inc.	BUY	124.02	Ordinary	432	432
21-Feb-2023	The Vanguard Group, Inc.	BUY	125.54	Ordinary	2,400	2,400
21-Feb-2023	The Vanguard Group, Inc.	BUY	126.13	Ordinary	46	46
21-Feb-2023	The Vanguard Group, Inc.	BUY	125.54	Ordinary	844	844
21-Feb-2023	The Vanguard Group, Inc.	BUY	126.13	Ordinary	315	315
21-Feb-2023	The Vanguard Group, Inc.	BUY	126.13	Ordinary	315	315
22-Feb-2023	The Vanguard Group, Inc.	BUY	124.66	Ordinary	633	633
22-Feb-2023	The Vanguard Group, Inc.	BUY	125.80	Ordinary	1,930	1,930
22-Feb-2023	The Vanguard Group, Inc.	BUY	125.51	Ordinary	180	180
23-Feb-2023	The Vanguard Group, Inc.	BUY	123.40	Ordinary	354	354
23-Feb-2023	The Vanguard Group, Inc.	BUY	123.42	Ordinary	999	999
24-Feb-2023	The Vanguard Group, Inc.	BUY	118.92	Ordinary	152	152
24-Feb-2023	The Vanguard Group, Inc.	BUY	118.92	Ordinary	138	138
27-Feb-2023	The Vanguard Group, Inc.	SELL	115.46	Ordinary	(60)	(60)
27-Feb-2023	The Vanguard Group, Inc.	BUY	116.83	Ordinary	2,400	2,400
27-Feb-2023	The Vanguard Group, Inc.	BUY	116.83	Ordinary	996	996
28-Feb-2023	The Vanguard Group, Inc.	BUY	116.73	Ordinary	982	982
28-Feb-2023	The Vanguard Group, Inc.	SELL	116.73	Ordinary	(3,271)	(3,271)
1-Mar-2023	The Vanguard Group, Inc.	BUY	120.33	Ordinary	4,000	4,000
1-Mar-2023	The Vanguard Group, Inc.	BUY	120.33	Ordinary	2,000	2,000
1-Mar-2023	The Vanguard Group, Inc.	BUY	120.33	Ordinary	2,664	2,664
1-Mar-2023	The Vanguard Group, Inc.	BUY	117.70	Ordinary	4,600	4,600
1-Mar-2023	The Vanguard Group, Inc.	BUY	120.33	Ordinary	633	633
1-Mar-2023	The Vanguard Group, Inc.	BUY	119.63	Ordinary	138	138
2-Mar-2023	The Vanguard Group, Inc.	BUY	124.44	Ordinary	622	622
2-Mar-2023	The Vanguard Group, Inc.	BUY	124.44	Ordinary	3,421	3,421
2-Mar-2023	The Vanguard Group, Inc.	BUY	124.44	Ordinary	7,153	7,153
2-Mar-2023	The Vanguard Group, Inc.	BUY	124.44	Ordinary	2,478	2,478
2-Mar-2023	The Vanguard Group, Inc.	BUY	124.44	Ordinary	954	954
3-Mar-2023	The Vanguard Group, Inc.	BUY	126.43	Ordinary	1,319	1,319
3-Mar-2023	The Vanguard Group, Inc.	BUY	126.43	Ordinary	96	96
3-Mar-2023	The Vanguard Group, Inc.	BUY	127.27	Ordinary	844	844
6-Mar-2023	The Vanguard Group, Inc.	BUY	125.37	Ordinary	311	311
6-Mar-2023	The Vanguard Group, Inc.	BUY	126.14	Ordinary	351	351
7-Mar-2023	The Vanguard Group, Inc.	BUY	125.00	Ordinary	1,038	1,038
7-Mar-2023	The Vanguard Group, Inc.	BUY	125.00	Ordinary	138	138
8-Mar-2023	The Vanguard Group, Inc.	BUY	126.13	Ordinary	1,600	1,600
9-Mar-2023	The Vanguard Group, Inc.	BUY	121.23	Ordinary	7,924	7,924
10-Mar-2023	The Vanguard Group, Inc.	SELL	116.08	Ordinary	(5,376)	(5,376)
10-Mar-2023	The Vanguard Group, Inc.	BUY	116.08	Ordinary	422	422

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
13-Mar-2023	The Vanguard Group, Inc.	SELL	115.57	Ordinary	(2,016)	(2,016)
13-Mar-2023	The Vanguard Group, Inc.	BUY	118.46	Ordinary	322	322
13-Mar-2023	The Vanguard Group, Inc.	BUY	118.46	Ordinary	188	188
14-Mar-2023	The Vanguard Group, Inc.	BUY	117.52	Ordinary	322	322
15-Mar-2023	The Vanguard Group, Inc.	BUY	119.55	Ordinary	154	154
15-Mar-2023	The Vanguard Group, Inc.	SELL	115.44	Ordinary	(714)	(714)
15-Mar-2023	The Vanguard Group, Inc.	SELL	115.44	Ordinary	(1,332)	(1,332)
15-Mar-2023	The Vanguard Group, Inc.	SELL	115.44	Ordinary	(999)	(999)
15-Mar-2023	The Vanguard Group, Inc.	BUY	119.55	Ordinary	58	58
16-Mar-2023	The Vanguard Group, Inc.	BUY	114.73	Ordinary	368	368
17-Mar-2023	The Vanguard Group, Inc.	BUY	114.80	Ordinary	288	288
17-Mar-2023	The Vanguard Group, Inc.	SELL	114.80	Ordinary	(536)	(536)
17-Mar-2023	The Vanguard Group, Inc.	BUY	114.80	Ordinary	9,414	9,414
17-Mar-2023	The Vanguard Group, Inc.	SELL	114.80	Ordinary	(25)	(25)
17-Mar-2023	The Vanguard Group, Inc.	SELL	114.80	Ordinary	(19,472)	(19,472)
17-Mar-2023	The Vanguard Group, Inc.	SELL	114.80	Ordinary	(5,563)	(5,563)
17-Mar-2023	The Vanguard Group, Inc.	SELL	114.80	Ordinary	(4,651)	(4,651)
17-Mar-2023	The Vanguard Group, Inc.	BUY	114.80	Ordinary	1,476	1,476
20-Mar-2023	The Vanguard Group, Inc.	BUY	114.56	Ordinary	68	68
20-Mar-2023	The Vanguard Group, Inc.	BUY	114.56	Ordinary	3,276	3,276
20-Mar-2023	The Vanguard Group, Inc.	BUY	113.99	Ordinary	50	50
20-Mar-2023	The Vanguard Group, Inc.	BUY	113.99	Ordinary	270	270
21-Mar-2023	The Vanguard Group, Inc.	BUY	115.56	Ordinary	9,691	9,691
22-Mar-2023	The Vanguard Group, Inc.	BUY	115.85	Ordinary	3,923	3,923
22-Mar-2023	The Vanguard Group, Inc.	SELL	116.32	Ordinary	(593)	(593)
22-Mar-2023	The Vanguard Group, Inc.	BUY	115.45	Ordinary	530	530
22-Mar-2023	The Vanguard Group, Inc.	SELL	115.45	Ordinary	(180)	(180)
23-Mar-2023	The Vanguard Group, Inc.	BUY	114.18	Ordinary	2,039	2,039
24-Mar-2023	The Vanguard Group, Inc.	BUY	114.43	Ordinary	74	74
24-Mar-2023	The Vanguard Group, Inc.	SELL	114.21	Ordinary	(1,885)	(1,885)
24-Mar-2023	The Vanguard Group, Inc.	BUY	114.54	Ordinary	11,691	11,691
24-Mar-2023	The Vanguard Group, Inc.	BUY	114.54	Ordinary	3,887	3,887
24-Mar-2023	The Vanguard Group, Inc.	BUY	114.54	Ordinary	1,524	1,524
27-Mar-2023	The Vanguard Group, Inc.	SELL	113.75	Ordinary	(3,797)	(3,797)
27-Mar-2023	The Vanguard Group, Inc.	BUY	115.59	Ordinary	418	418
28-Mar-2023	The Vanguard Group, Inc.	BUY	115.07	Ordinary	3,454	3,454
28-Mar-2023	The Vanguard Group, Inc.	BUY	114.44	Ordinary	77	77
28-Mar-2023	The Vanguard Group, Inc.	BUY	114.44	Ordinary	558	558
29-Mar-2023	The Vanguard Group, Inc.	BUY	115.18	Ordinary	2,953	2,953
29-Mar-2023	The Vanguard Group, Inc.	BUY	115.18	Ordinary	1,281	1,281
29-Mar-2023	The Vanguard Group, Inc.	SELL	115.73	Ordinary	(3,320)	(3,320)
29-Mar-2023	The Vanguard Group, Inc.	BUY	115.18	Ordinary	12,958	12,958
29-Mar-2023	The Vanguard Group, Inc.	BUY	115.18	Ordinary	5,349	5,349
29-Mar-2023	The Vanguard Group, Inc.	BUY	115.18	Ordinary	597	597
30-Mar-2023	The Vanguard Group, Inc.	BUY	117.00	Ordinary	4,367	4,367
31-Mar-2023	The Vanguard Group, Inc.	SELL	120.20	Ordinary	(1,848)	(1,848)
31-Mar-2023	The Vanguard Group, Inc.	BUY	120.14	Ordinary	260	260
4-Apr-2023	The Vanguard Group, Inc.	BUY	117.74	Ordinary	77	77
5-Apr-2023	The Vanguard Group, Inc.	BUY	116.81	Ordinary	1,328	1,328
5-Apr-2023	The Vanguard Group, Inc.	BUY	116.63	Ordinary	36	36
5-Apr-2023	The Vanguard Group, Inc.	BUY	116.81	Ordinary	1,136	1,136
11-Apr-2023	The Vanguard Group, Inc.	BUY	118.76	Ordinary	10,925	10,925
11-Apr-2023	The Vanguard Group, Inc.	BUY	118.76	Ordinary	4,847	4,847
11-Apr-2023	The Vanguard Group, Inc.	BUY	119.55	Ordinary	627	627
12-Apr-2023	The Vanguard Group, Inc.	BUY	121.75	Ordinary	78	78
12-Apr-2023	The Vanguard Group, Inc.	BUY	121.75	Ordinary	78	78
12-Apr-2023	The Vanguard Group, Inc.	BUY	121.73	Ordinary	6,941	6,941
12-Apr-2023	The Vanguard Group, Inc.	BUY	122.48	Ordinary	1,995	1,995
12-Apr-2023	The Vanguard Group, Inc.	BUY	121.73	Ordinary	3,244	3,244
12-Apr-2023	The Vanguard Group, Inc.	BUY	122.48	Ordinary	994	994
13-Apr-2023	The Vanguard Group, Inc.	BUY	121.12	Ordinary	852	852
13-Apr-2023	The Vanguard Group, Inc.	BUY	120.86	Ordinary	350	350
14-Apr-2023	The Vanguard Group, Inc.	SELL	120.37	Ordinary	(666)	(666)
14-Apr-2023	The Vanguard Group, Inc.	BUY	120.94	Ordinary	260	260
14-Apr-2023	The Vanguard Group, Inc.	BUY	120.94	Ordinary	156	156
17-Apr-2023	The Vanguard Group, Inc.	BUY	121.25	Ordinary	618	618
17-Apr-2023	The Vanguard Group, Inc.	BUY	120.16	Ordinary	8,033	8,033
17-Apr-2023	The Vanguard Group, Inc.	BUY	120.34	Ordinary	994	994
17-Apr-2023	The Vanguard Group, Inc.	SELL	121.25	Ordinary	(1,289)	(1,289)
17-Apr-2023	The Vanguard Group, Inc.	BUY	121.25	Ordinary	180	180
18-Apr-2023	The Vanguard Group, Inc.	BUY	121.84	Ordinary	77	77

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18-Apr-2023	The Vanguard Group, Inc.	BUY	121.39	Ordinary	4,013	4,013
18-Apr-2023	The Vanguard Group, Inc.	BUY	121.39	Ordinary	1,232	1,232
18-Apr-2023	The Vanguard Group, Inc.	BUY	121.97	Ordinary	1,045	1,045
19-Apr-2023	The Vanguard Group, Inc.	BUY	123.19	Ordinary	51	51
19-Apr-2023	The Vanguard Group, Inc.	BUY	122.70	Ordinary	710	710
20-Apr-2023	The Vanguard Group, Inc.	BUY	119.67	Ordinary	4,598	4,598
20-Apr-2023	The Vanguard Group, Inc.	BUY	120.33	Ordinary	270	270
21-Apr-2023	The Vanguard Group, Inc.	BUY	117.00	Ordinary	620	620
21-Apr-2023	The Vanguard Group, Inc.	BUY	117.00	Ordinary	923	923
21-Apr-2023	The Vanguard Group, Inc.	BUY	117.00	Ordinary	15,612	15,612
21-Apr-2023	The Vanguard Group, Inc.	BUY	117.00	Ordinary	3,549	3,549
21-Apr-2023	The Vanguard Group, Inc.	BUY	117.00	Ordinary	208	208
24-Apr-2023	The Vanguard Group, Inc.	BUY	113.18	Ordinary	76	76
24-Apr-2023	The Vanguard Group, Inc.	BUY	113.97	Ordinary	1,197	1,197
25-Apr-2023	The Vanguard Group, Inc.	BUY	113.16	Ordinary	627	627
26-Apr-2023	The Vanguard Group, Inc.	BUY	111.94	Ordinary	77	77
26-Apr-2023	The Vanguard Group, Inc.	BUY	111.86	Ordinary	1,320	1,320
26-Apr-2023	The Vanguard Group, Inc.	BUY	111.67	Ordinary	418	418
26-Apr-2023	The Vanguard Group, Inc.	BUY	111.86	Ordinary	7,205	7,205
26-Apr-2023	The Vanguard Group, Inc.	BUY	111.94	Ordinary	150	150
27-Apr-2023	The Vanguard Group, Inc.	BUY	112.17	Ordinary	154	154
27-Apr-2023	The Vanguard Group, Inc.	BUY	112.17	Ordinary	270	270
27-Apr-2023	The Vanguard Group, Inc.	BUY	112.17	Ordinary	720	720
28-Apr-2023	The Vanguard Group, Inc.	BUY	112.38	Ordinary	2,064	2,064
28-Apr-2023	The Vanguard Group, Inc.	BUY	112.25	Ordinary	1,632	1,632
2-May-2023	The Vanguard Group, Inc.	SELL	110.83	Ordinary	(1,410)	(1,410)
2-May-2023	The Vanguard Group, Inc.	BUY	111.28	Ordinary	5,238	5,238
2-May-2023	The Vanguard Group, Inc.	BUY	110.83	Ordinary	5,729	5,729
2-May-2023	The Vanguard Group, Inc.	BUY	111.28	Ordinary	8,591	8,591
2-May-2023	The Vanguard Group, Inc.	BUY	111.28	Ordinary	368	368
3-May-2023	The Vanguard Group, Inc.	BUY	108.77	Ordinary	3,942	3,942
3-May-2023	The Vanguard Group, Inc.	BUY	108.77	Ordinary	154	154
3-May-2023	The Vanguard Group, Inc.	BUY	108.40	Ordinary	2,000	2,000
3-May-2023	The Vanguard Group, Inc.	BUY	108.77	Ordinary	2,681	2,681
3-May-2023	The Vanguard Group, Inc.	BUY	109.40	Ordinary	4,558	4,558
3-May-2023	The Vanguard Group, Inc.	BUY	108.77	Ordinary	550	550
4-May-2023	The Vanguard Group, Inc.	BUY	110.24	Ordinary	418	418
4-May-2023	The Vanguard Group, Inc.	BUY	110.14	Ordinary	270	270
5-May-2023	The Vanguard Group, Inc.	BUY	109.37	Ordinary	154	154
5-May-2023	The Vanguard Group, Inc.	BUY	108.50	Ordinary	3,445	3,445
8-May-2023	The Vanguard Group, Inc.	BUY	111.49	Ordinary	2,400	2,400
9-May-2023	The Vanguard Group, Inc.	BUY	111.44	Ordinary	75	75
9-May-2023	The Vanguard Group, Inc.	BUY	112.34	Ordinary	10,387	10,387
9-May-2023	The Vanguard Group, Inc.	BUY	110.92	Ordinary	674	674
9-May-2023	The Vanguard Group, Inc.	BUY	111.44	Ordinary	66	66
9-May-2023	The Vanguard Group, Inc.	BUY	111.44	Ordinary	260	260
9-May-2023	The Vanguard Group, Inc.	BUY	111.44	Ordinary	180	180
10-May-2023	The Vanguard Group, Inc.	BUY	110.92	Ordinary	4,014	4,014
10-May-2023	The Vanguard Group, Inc.	BUY	110.41	Ordinary	512	512
10-May-2023	The Vanguard Group, Inc.	BUY	110.92	Ordinary	101	101
12-May-2023	The Vanguard Group, Inc.	BUY	107.88	Ordinary	1,880	1,880
12-May-2023	The Vanguard Group, Inc.	BUY	108.51	Ordinary	1,536	1,536
12-May-2023	The Vanguard Group, Inc.	BUY	108.51	Ordinary	2,000	2,000
12-May-2023	The Vanguard Group, Inc.	BUY	108.51	Ordinary	1,080	1,080
15-May-2023	The Vanguard Group, Inc.	BUY	109.45	Ordinary	640	640
15-May-2023	The Vanguard Group, Inc.	BUY	109.45	Ordinary	720	720
15-May-2023	The Vanguard Group, Inc.	BUY	108.96	Ordinary	260	260
16-May-2023	The Vanguard Group, Inc.	BUY	109.82	Ordinary	7,074	7,074
16-May-2023	The Vanguard Group, Inc.	BUY	107.08	Ordinary	1,800	1,800
16-May-2023	The Vanguard Group, Inc.	BUY	109.82	Ordinary	7,277	7,277
16-May-2023	The Vanguard Group, Inc.	BUY	109.82	Ordinary	1,241	1,241
17-May-2023	The Vanguard Group, Inc.	BUY	109.22	Ordinary	2,005	2,005
17-May-2023	The Vanguard Group, Inc.	BUY	108.43	Ordinary	50	50
17-May-2023	The Vanguard Group, Inc.	BUY	109.22	Ordinary	720	720
17-May-2023	The Vanguard Group, Inc.	BUY	108.43	Ordinary	300	300
19-May-2023	The Vanguard Group, Inc.	BUY	109.42	Ordinary	1,418	1,418
19-May-2023	The Vanguard Group, Inc.	BUY	109.42	Ordinary	270	270
22-May-2023	The Vanguard Group, Inc.	BUY	109.52	Ordinary	384	384
23-May-2023	The Vanguard Group, Inc.	BUY	109.13	Ordinary	512	512
23-May-2023	The Vanguard Group, Inc.	BUY	109.13	Ordinary	2,406	2,406
23-May-2023	The Vanguard Group, Inc.	BUY	109.13	Ordinary	792	792

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23-May-2023	The Vanguard Group, Inc.	BUY	109.13	Ordinary	426	426
24-May-2023	The Vanguard Group, Inc.	BUY	105.72	Ordinary	512	512
24-May-2023	The Vanguard Group, Inc.	BUY	107.66	Ordinary	7,429	7,429
24-May-2023	The Vanguard Group, Inc.	BUY	105.72	Ordinary	864	864
24-May-2023	The Vanguard Group, Inc.	BUY	107.06	Ordinary	348	348
24-May-2023	The Vanguard Group, Inc.	BUY	105.72	Ordinary	426	426
26-May-2023	The Vanguard Group, Inc.	BUY	109.00	Ordinary	2,005	2,005
26-May-2023	The Vanguard Group, Inc.	BUY	107.77	Ordinary	270	270
29-May-2023	The Vanguard Group, Inc.	BUY	109.10	Ordinary	4,481	4,481
31-May-2023	The Vanguard Group, Inc.	BUY	107.00	Ordinary	14,232	14,232
31-May-2023	The Vanguard Group, Inc.	BUY	107.00	Ordinary	192	192
31-May-2023	The Vanguard Group, Inc.	BUY	107.00	Ordinary	2,876	2,876
31-May-2023	The Vanguard Group, Inc.	BUY	107.00	Ordinary	40	40
31-May-2023	The Vanguard Group, Inc.	BUY	107.91	Ordinary	7,439	7,439
31-May-2023	The Vanguard Group, Inc.	BUY	107.00	Ordinary	350	350
31-May-2023	The Vanguard Group, Inc.	SELL	107.13	Ordinary	(9,110)	(9,110)
1-Jun-2023	The Vanguard Group, Inc.	BUY	109.08	Ordinary	426	426
1-Jun-2023	The Vanguard Group, Inc.	BUY	107.42	Ordinary	156	156
2-Jun-2023	The Vanguard Group, Inc.	BUY	109.03	Ordinary	6,289	6,289
2-Jun-2023	The Vanguard Group, Inc.	BUY	110.15	Ordinary	475	475
2-Jun-2023	The Vanguard Group, Inc.	BUY	110.15	Ordinary	500	500
5-Jun-2023	The Vanguard Group, Inc.	BUY	110.48	Ordinary	852	852
7-Jun-2023	The Vanguard Group, Inc.	BUY	111.63	Ordinary	150	150
7-Jun-2023	The Vanguard Group, Inc.	BUY	111.63	Ordinary	47	47
7-Jun-2023	The Vanguard Group, Inc.	BUY	111.75	Ordinary	546	546
8-Jun-2023	The Vanguard Group, Inc.	BUY	114.00	Ordinary	450	450
13-Jun-2023	The Vanguard Group, Inc.	BUY	112.88	Ordinary	945	945
13-Jun-2023	The Vanguard Group, Inc.	BUY	112.88	Ordinary	416	416
13-Jun-2023	The Vanguard Group, Inc.	BUY	112.88	Ordinary	180	180
14-Jun-2023	The Vanguard Group, Inc.	BUY	116.15	Ordinary	184	184
15-Jun-2023	The Vanguard Group, Inc.	BUY	118.20	Ordinary	426	426
16-Jun-2023	The Vanguard Group, Inc.	SELL	118.00	Ordinary	(147)	(147)
16-Jun-2023	The Vanguard Group, Inc.	SELL	118.00	Ordinary	(448)	(448)
16-Jun-2023	The Vanguard Group, Inc.	BUY	118.00	Ordinary	77	77
16-Jun-2023	The Vanguard Group, Inc.	SELL	118.00	Ordinary	(5,066)	(5,066)
16-Jun-2023	The Vanguard Group, Inc.	SELL	118.00	Ordinary	(1,657)	(1,657)
16-Jun-2023	The Vanguard Group, Inc.	BUY	118.00	Ordinary	4,703	4,703
16-Jun-2023	The Vanguard Group, Inc.	BUY	118.00	Ordinary	26	26
16-Jun-2023	The Vanguard Group, Inc.	BUY	118.00	Ordinary	581	581
16-Jun-2023	The Vanguard Group, Inc.	SELL	118.00	Ordinary	(100)	(100)
16-Jun-2023	The Vanguard Group, Inc.	SELL	118.00	Ordinary	(301)	(301)
16-Jun-2023	The Vanguard Group, Inc.	BUY	118.00	Ordinary	1,679	1,679
20-Jun-2023	The Vanguard Group, Inc.	BUY	117.40	Ordinary	208	208
20-Jun-2023	The Vanguard Group, Inc.	BUY	117.40	Ordinary	416	416
21-Jun-2023	The Vanguard Group, Inc.	BUY	115.79	Ordinary	59	59
21-Jun-2023	The Vanguard Group, Inc.	BUY	115.79	Ordinary	156	156
23-Jun-2023	The Vanguard Group, Inc.	BUY	113.92	Ordinary	3,828	3,828
23-Jun-2023	The Vanguard Group, Inc.	BUY	113.13	Ordinary	156	156
26-Jun-2023	The Vanguard Group, Inc.	BUY	114.29	Ordinary	720	720
26-Jun-2023	The Vanguard Group, Inc.	BUY	114.29	Ordinary	3,312	3,312
26-Jun-2023	The Vanguard Group, Inc.	BUY	112.74	Ordinary	204	204
27-Jun-2023	The Vanguard Group, Inc.	BUY	114.34	Ordinary	45	45
27-Jun-2023	The Vanguard Group, Inc.	BUY	114.64	Ordinary	76	76
27-Jun-2023	The Vanguard Group, Inc.	BUY	114.34	Ordinary	2,904	2,904
27-Jun-2023	The Vanguard Group, Inc.	BUY	114.34	Ordinary	6,469	6,469
27-Jun-2023	The Vanguard Group, Inc.	BUY	114.38	Ordinary	420	420
28-Jun-2023	The Vanguard Group, Inc.	BUY	115.79	Ordinary	76	76
28-Jun-2023	The Vanguard Group, Inc.	BUY	115.26	Ordinary	6,031	6,031
28-Jun-2023	The Vanguard Group, Inc.	BUY	115.79	Ordinary	3,321	3,321
28-Jun-2023	The Vanguard Group, Inc.	BUY	115.79	Ordinary	440	440
28-Jun-2023	The Vanguard Group, Inc.	BUY	114.93	Ordinary	420	420
29-Jun-2023	The Vanguard Group, Inc.	BUY	114.46	Ordinary	156	156
30-Jun-2023	The Vanguard Group, Inc.	SELL	114.69	Ordinary	(825)	(825)
30-Jun-2023	The Vanguard Group, Inc.	BUY	114.69	Ordinary	306	306
3-Jul-2023	The Vanguard Group, Inc.	BUY	115.12	Ordinary	491	491
5-Jul-2023	The Vanguard Group, Inc.	BUY	114.15	Ordinary	76	76
5-Jul-2023	The Vanguard Group, Inc.	BUY	114.15	Ordinary	6,250	6,250
5-Jul-2023	The Vanguard Group, Inc.	BUY	114.15	Ordinary	10,219	10,219
5-Jul-2023	The Vanguard Group, Inc.	BUY	114.15	Ordinary	255	255
5-Jul-2023	The Vanguard Group, Inc.	BUY	114.15	Ordinary	153	153
6-Jul-2023	The Vanguard Group, Inc.	SELL	112.58	Ordinary	(1,795)	(1,795)



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
6-Jul-2023	The Vanguard Group, Inc.	BUY	112.58	Ordinary	77	77
6-Jul-2023	The Vanguard Group, Inc.	BUY	109.58	Ordinary	720	720
6-Jul-2023	The Vanguard Group, Inc.	BUY	109.58	Ordinary	420	420
6-Jul-2023	The Vanguard Group, Inc.	BUY	112.58	Ordinary	273	273
7-Jul-2023	The Vanguard Group, Inc.	BUY	111.75	Ordinary	1,436	1,436
7-Jul-2023	The Vanguard Group, Inc.	BUY	111.50	Ordinary	3,963	3,963
7-Jul-2023	The Vanguard Group, Inc.	BUY	111.50	Ordinary	6,569	6,569
7-Jul-2023	The Vanguard Group, Inc.	BUY	111.50	Ordinary	345	345
7-Jul-2023	The Vanguard Group, Inc.	BUY	111.75	Ordinary	260	260
10-Jul-2023	The Vanguard Group, Inc.	BUY	110.48	Ordinary	2,599	2,599
10-Jul-2023	The Vanguard Group, Inc.	BUY	111.82	Ordinary	1,368	1,368
11-Jul-2023	The Vanguard Group, Inc.	BUY	112.69	Ordinary	1,080	1,080
11-Jul-2023	The Vanguard Group, Inc.	BUY	111.91	Ordinary	242	242
12-Jul-2023	The Vanguard Group, Inc.	BUY	113.75	Ordinary	718	718
12-Jul-2023	The Vanguard Group, Inc.	BUY	116.04	Ordinary	720	720
12-Jul-2023	The Vanguard Group, Inc.	BUY	116.04	Ordinary	420	420
12-Jul-2023	The Vanguard Group, Inc.	BUY	116.04	Ordinary	1,050	1,050
12-Jul-2023	The Vanguard Group, Inc.	BUY	113.75	Ordinary	570	570
13-Jul-2023	The Vanguard Group, Inc.	BUY	118.44	Ordinary	3,208	3,208
13-Jul-2023	The Vanguard Group, Inc.	BUY	118.44	Ordinary	420	420
14-Jul-2023	The Vanguard Group, Inc.	BUY	119.02	Ordinary	156	156
18-Jul-2023	The Vanguard Group, Inc.	BUY	116.88	Ordinary	153	153
19-Jul-2023	The Vanguard Group, Inc.	BUY	116.01	Ordinary	616	616
19-Jul-2023	The Vanguard Group, Inc.	BUY	115.69	Ordinary	420	420
19-Jul-2023	The Vanguard Group, Inc.	BUY	116.01	Ordinary	306	306
20-Jul-2023	The Vanguard Group, Inc.	BUY	116.29	Ordinary	3,679	3,679
20-Jul-2023	The Vanguard Group, Inc.	BUY	116.60	Ordinary	630	630
20-Jul-2023	The Vanguard Group, Inc.	BUY	116.60	Ordinary	840	840
20-Jul-2023	The Vanguard Group, Inc.	BUY	116.60	Ordinary	420	420
21-Jul-2023	The Vanguard Group, Inc.	BUY	117.88	Ordinary	3,208	3,208
21-Jul-2023	The Vanguard Group, Inc.	BUY	117.88	Ordinary	2,807	2,807
21-Jul-2023	The Vanguard Group, Inc.	BUY	117.88	Ordinary	1,080	1,080
24-Jul-2023	The Vanguard Group, Inc.	BUY	116.38	Ordinary	1,656	1,656
25-Jul-2023	The Vanguard Group, Inc.	BUY	119.18	Ordinary	718	718
25-Jul-2023	The Vanguard Group, Inc.	BUY	119.18	Ordinary	53	53
25-Jul-2023	The Vanguard Group, Inc.	BUY	117.21	Ordinary	1,871	1,871
25-Jul-2023	The Vanguard Group, Inc.	BUY	119.96	Ordinary	420	420
26-Jul-2023	The Vanguard Group, Inc.	BUY	121.15	Ordinary	3,859	3,859
26-Jul-2023	The Vanguard Group, Inc.	BUY	120.81	Ordinary	285	285
31-Jul-2023	The Vanguard Group, Inc.	BUY	117.07	Ordinary	616	616
31-Jul-2023	The Vanguard Group, Inc.	BUY	117.07	Ordinary	182	182
1-Aug-2023	The Vanguard Group, Inc.	BUY	116.87	Ordinary	208	208
2-Aug-2023	The Vanguard Group, Inc.	SELL	114.47	Ordinary	(2,005)	(2,005)
2-Aug-2023	The Vanguard Group, Inc.	BUY	116.20	Ordinary	4,041	4,041
2-Aug-2023	The Vanguard Group, Inc.	BUY	115.82	Ordinary	208	208
3-Aug-2023	The Vanguard Group, Inc.	BUY	113.83	Ordinary	2,406	2,406
3-Aug-2023	The Vanguard Group, Inc.	BUY	113.83	Ordinary	7,282	7,282
3-Aug-2023	The Vanguard Group, Inc.	BUY	113.88	Ordinary	51	51
3-Aug-2023	The Vanguard Group, Inc.	BUY	113.83	Ordinary	420	420
4-Aug-2023	The Vanguard Group, Inc.	BUY	115.42	Ordinary	2,232	2,232
4-Aug-2023	The Vanguard Group, Inc.	BUY	114.82	Ordinary	4,304	4,304
4-Aug-2023	The Vanguard Group, Inc.	BUY	114.83	Ordinary	153	153
4-Aug-2023	The Vanguard Group, Inc.	BUY	114.83	Ordinary	104	104
7-Aug-2023	The Vanguard Group, Inc.	BUY	114.18	Ordinary	1,296	1,296
7-Aug-2023	The Vanguard Group, Inc.	BUY	113.94	Ordinary	204	204
8-Aug-2023	The Vanguard Group, Inc.	BUY	113.46	Ordinary	77	77
8-Aug-2023	The Vanguard Group, Inc.	BUY	113.76	Ordinary	4,467	4,467
8-Aug-2023	The Vanguard Group, Inc.	BUY	113.46	Ordinary	204	204
8-Aug-2023	The Vanguard Group, Inc.	BUY	113.46	Ordinary	208	208
9-Aug-2023	The Vanguard Group, Inc.	BUY	112.85	Ordinary	7,272	7,272
9-Aug-2023	The Vanguard Group, Inc.	BUY	113.18	Ordinary	420	420
10-Aug-2023	The Vanguard Group, Inc.	BUY	109.65	Ordinary	991	991
10-Aug-2023	The Vanguard Group, Inc.	BUY	109.13	Ordinary	630	630
10-Aug-2023	The Vanguard Group, Inc.	BUY	109.65	Ordinary	273	273
11-Aug-2023	The Vanguard Group, Inc.	BUY	108.59	Ordinary	4,837	4,837
11-Aug-2023	The Vanguard Group, Inc.	BUY	109.00	Ordinary	273	273
14-Aug-2023	The Vanguard Group, Inc.	BUY	106.52	Ordinary	924	924
14-Aug-2023	The Vanguard Group, Inc.	BUY	106.33	Ordinary	422	422
16-Aug-2023	The Vanguard Group, Inc.	BUY	103.45	Ordinary	2,430	2,430
16-Aug-2023	The Vanguard Group, Inc.	BUY	103.45	Ordinary	1,080	1,080
16-Aug-2023	The Vanguard Group, Inc.	BUY	104.40	Ordinary	4,065	4,065

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16-Aug-2023	The Vanguard Group, Inc.	BUY	103.45	Ordinary	844	844
17-Aug-2023	The Vanguard Group, Inc.	BUY	103.62	Ordinary	5,841	5,841
17-Aug-2023	The Vanguard Group, Inc.	BUY	104.77	Ordinary	51	51
17-Aug-2023	The Vanguard Group, Inc.	BUY	104.77	Ordinary	357	357
18-Aug-2023	The Vanguard Group, Inc.	BUY	105.26	Ordinary	740	740
18-Aug-2023	The Vanguard Group, Inc.	BUY	106.33	Ordinary	4,484	4,484
18-Aug-2023	The Vanguard Group, Inc.	BUY	105.69	Ordinary	204	204
21-Aug-2023	The Vanguard Group, Inc.	BUY	104.96	Ordinary	1,224	1,224
22-Aug-2023	The Vanguard Group, Inc.	BUY	104.87	Ordinary	3,994	3,994
22-Aug-2023	The Vanguard Group, Inc.	BUY	105.09	Ordinary	2,835	2,835
22-Aug-2023	The Vanguard Group, Inc.	BUY	105.09	Ordinary	1,080	1,080
22-Aug-2023	The Vanguard Group, Inc.	BUY	105.09	Ordinary	633	633
23-Aug-2023	The Vanguard Group, Inc.	BUY	107.84	Ordinary	152	152
23-Aug-2023	The Vanguard Group, Inc.	BUY	108.01	Ordinary	675	675
23-Aug-2023	The Vanguard Group, Inc.	BUY	108.01	Ordinary	2,310	2,310
23-Aug-2023	The Vanguard Group, Inc.	BUY	105.99	Ordinary	4,772	4,772
23-Aug-2023	The Vanguard Group, Inc.	BUY	107.84	Ordinary	156	156
24-Aug-2023	The Vanguard Group, Inc.	BUY	108.83	Ordinary	104	104
25-Aug-2023	The Vanguard Group, Inc.	BUY	107.90	Ordinary	786	786
28-Aug-2023	The Vanguard Group, Inc.	BUY	109.12	Ordinary	888	888
28-Aug-2023	The Vanguard Group, Inc.	BUY	108.26	Ordinary	3,909	3,909
29-Aug-2023	The Vanguard Group, Inc.	BUY	109.88	Ordinary	208	208
30-Aug-2023	The Vanguard Group, Inc.	SELL	112.23	Ordinary	(1,478)	(1,478)
30-Aug-2023	The Vanguard Group, Inc.	SELL	112.23	Ordinary	(2,872)	(2,872)
30-Aug-2023	The Vanguard Group, Inc.	BUY	112.23	Ordinary	76	76
30-Aug-2023	The Vanguard Group, Inc.	BUY	111.86	Ordinary	5,784	5,784
31-Aug-2023	The Vanguard Group, Inc.	BUY	112.90	Ordinary	50	50
31-Aug-2023	The Vanguard Group, Inc.	BUY	111.78	Ordinary	1,152	1,152
31-Aug-2023	The Vanguard Group, Inc.	BUY	112.90	Ordinary	923	923
1-Sep-2023	The Vanguard Group, Inc.	BUY	112.02	Ordinary	4,115	4,115
5-Sep-2023	The Vanguard Group, Inc.	BUY	116.77	Ordinary	740	740
6-Sep-2023	The Vanguard Group, Inc.	BUY	115.98	Ordinary	77	77
6-Sep-2023	The Vanguard Group, Inc.	BUY	115.98	Ordinary	208	208
6-Sep-2023	The Vanguard Group, Inc.	BUY	115.98	Ordinary	260	260
7-Sep-2023	The Vanguard Group, Inc.	BUY	113.10	Ordinary	740	740
7-Sep-2023	The Vanguard Group, Inc.	BUY	113.10	Ordinary	190	190
11-Sep-2023	The Vanguard Group, Inc.	BUY	112.22	Ordinary	296	296
15-Sep-2023	The Vanguard Group, Inc.	BUY	118.91	Ordinary	4,110	4,110
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(12)	(12)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(16)	(16)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(481)	(481)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(574)	(574)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(1,030)	(1,030)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(1,228)	(1,228)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(4,405)	(4,405)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(3,697)	(3,697)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(6,272)	(6,272)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(7,470)	(7,470)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(2,101)	(2,101)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(1,763)	(1,763)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(205)	(205)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(244)	(244)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(1,533)	(1,533)
15-Sep-2023	The Vanguard Group, Inc.	SELL	118.91	Ordinary	(1,286)	(1,286)
18-Sep-2023	The Vanguard Group, Inc.	SELL	119.31	Ordinary	(16,372)	(16,372)
18-Sep-2023	The Vanguard Group, Inc.	BUY	119.31	Ordinary	77	77
18-Sep-2023	The Vanguard Group, Inc.	BUY	118.51	Ordinary	428	428
18-Sep-2023	The Vanguard Group, Inc.	BUY	119.30	Ordinary	386	386
18-Sep-2023	The Vanguard Group, Inc.	BUY	119.31	Ordinary	156	156
19-Sep-2023	The Vanguard Group, Inc.	SELL	118.54	Ordinary	(731)	(731)
19-Sep-2023	The Vanguard Group, Inc.	BUY	118.74	Ordinary	5,359	5,359
20-Sep-2023	The Vanguard Group, Inc.	BUY	118.16	Ordinary	5,014	5,014
20-Sep-2023	The Vanguard Group, Inc.	BUY	117.03	Ordinary	348	348
21-Sep-2023	The Vanguard Group, Inc.	BUY	114.07	Ordinary	2,230	2,230
21-Sep-2023	The Vanguard Group, Inc.	BUY	117.58	Ordinary	5,350	5,350
21-Sep-2023	The Vanguard Group, Inc.	BUY	114.07	Ordinary	1,440	1,440
21-Sep-2023	The Vanguard Group, Inc.	BUY	117.58	Ordinary	3,670	3,670
22-Sep-2023	The Vanguard Group, Inc.	BUY	114.11	Ordinary	592	592
22-Sep-2023	The Vanguard Group, Inc.	BUY	114.11	Ordinary	2,015	2,015
22-Sep-2023	The Vanguard Group, Inc.	BUY	114.11	Ordinary	2,952	2,952
22-Sep-2023	The Vanguard Group, Inc.	BUY	113.80	Ordinary	2,630	2,630

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25-Sep-2023	The Vanguard Group, Inc.	BUY	113.18	Ordinary	2,689	2,689
25-Sep-2023	The Vanguard Group, Inc.	BUY	112.65	Ordinary	426	426
26-Sep-2023	The Vanguard Group, Inc.	BUY	112.52	Ordinary	3,896	3,896
26-Sep-2023	The Vanguard Group, Inc.	BUY	110.90	Ordinary	156	156
27-Sep-2023	The Vanguard Group, Inc.	BUY	111.05	Ordinary	34	34
27-Sep-2023	The Vanguard Group, Inc.	BUY	111.05	Ordinary	5,699	5,699
27-Sep-2023	The Vanguard Group, Inc.	BUY	111.05	Ordinary	1,649	1,649
27-Sep-2023	The Vanguard Group, Inc.	BUY	111.05	Ordinary	7,706	7,706
27-Sep-2023	The Vanguard Group, Inc.	BUY	111.05	Ordinary	4,537	4,537
27-Sep-2023	The Vanguard Group, Inc.	BUY	111.05	Ordinary	273	273
28-Sep-2023	The Vanguard Group, Inc.	SELL	112.40	Ordinary	(42)	(42)
28-Sep-2023	The Vanguard Group, Inc.	BUY	112.06	Ordinary	9,144	9,144
28-Sep-2023	The Vanguard Group, Inc.	SELL	112.40	Ordinary	(281)	(281)
28-Sep-2023	The Vanguard Group, Inc.	BUY	112.06	Ordinary	8,633	8,633
2-Oct-2023	The Vanguard Group, Inc.	SELL	113.16	Ordinary	(679)	(679)
3-Oct-2023	The Vanguard Group, Inc.	BUY	112.18	Ordinary	447	447
3-Oct-2023	The Vanguard Group, Inc.	BUY	112.76	Ordinary	4,942	4,942
3-Oct-2023	The Vanguard Group, Inc.	BUY	112.80	Ordinary	208	208
4-Oct-2023	The Vanguard Group, Inc.	BUY	113.92	Ordinary	4,040	4,040
4-Oct-2023	The Vanguard Group, Inc.	BUY	112.80	Ordinary	5,968	5,968
4-Oct-2023	The Vanguard Group, Inc.	BUY	112.80	Ordinary	2,759	2,759
4-Oct-2023	The Vanguard Group, Inc.	BUY	112.80	Ordinary	1,853	1,853
4-Oct-2023	The Vanguard Group, Inc.	BUY	113.62	Ordinary	273	273
5-Oct-2023	The Vanguard Group, Inc.	SELL	111.91	Ordinary	(1,540)	(1,540)
5-Oct-2023	The Vanguard Group, Inc.	BUY	112.53	Ordinary	5,043	5,043
6-Oct-2023	The Vanguard Group, Inc.	BUY	113.19	Ordinary	208	208
9-Oct-2023	The Vanguard Group, Inc.	BUY	113.67	Ordinary	1,440	1,440
9-Oct-2023	The Vanguard Group, Inc.	BUY	113.20	Ordinary	468	468
10-Oct-2023	The Vanguard Group, Inc.	BUY	113.07	Ordinary	288	288
10-Oct-2023	The Vanguard Group, Inc.	BUY	112.19	Ordinary	554	554
11-Oct-2023	The Vanguard Group, Inc.	BUY	113.79	Ordinary	7,828	7,828
11-Oct-2023	The Vanguard Group, Inc.	BUY	114.10	Ordinary	6,417	6,417
11-Oct-2023	The Vanguard Group, Inc.	BUY	114.10	Ordinary	1,502	1,502
12-Oct-2023	The Vanguard Group, Inc.	BUY	112.99	Ordinary	808	808
12-Oct-2023	The Vanguard Group, Inc.	BUY	112.99	Ordinary	420	420
13-Oct-2023	The Vanguard Group, Inc.	SELL	113.72	Ordinary	(610)	(610)
16-Oct-2023	The Vanguard Group, Inc.	BUY	115.72	Ordinary	204	204
17-Oct-2023	The Vanguard Group, Inc.	BUY	117.11	Ordinary	77	77
17-Oct-2023	The Vanguard Group, Inc.	BUY	118.10	Ordinary	8,921	8,921
17-Oct-2023	The Vanguard Group, Inc.	BUY	118.10	Ordinary	5,048	5,048
18-Oct-2023	The Vanguard Group, Inc.	BUY	117.41	Ordinary	273	273
19-Oct-2023	The Vanguard Group, Inc.	SELL	114.00	Ordinary	(2,909)	(2,909)
19-Oct-2023	The Vanguard Group, Inc.	BUY	114.48	Ordinary	1,152	1,152
19-Oct-2023	The Vanguard Group, Inc.	BUY	114.00	Ordinary	4,412	4,412
19-Oct-2023	The Vanguard Group, Inc.	BUY	114.00	Ordinary	268	268
23-Oct-2023	The Vanguard Group, Inc.	BUY	112.38	Ordinary	5,096	5,096
23-Oct-2023	The Vanguard Group, Inc.	BUY	112.38	Ordinary	5,403	5,403
24-Oct-2023	The Vanguard Group, Inc.	BUY	113.60	Ordinary	231	231
24-Oct-2023	The Vanguard Group, Inc.	SELL	114.05	Ordinary	(745)	(745)
24-Oct-2023	The Vanguard Group, Inc.	BUY	114.05	Ordinary	576	576
25-Oct-2023	The Vanguard Group, Inc.	BUY	115.96	Ordinary	5,325	5,325
25-Oct-2023	The Vanguard Group, Inc.	BUY	115.77	Ordinary	420	420
25-Oct-2023	The Vanguard Group, Inc.	BUY	116.27	Ordinary	204	204
26-Oct-2023	The Vanguard Group, Inc.	BUY	117.67	Ordinary	1,505	1,505
26-Oct-2023	The Vanguard Group, Inc.	BUY	117.67	Ordinary	5,994	5,994
26-Oct-2023	The Vanguard Group, Inc.	BUY	117.67	Ordinary	532	532
27-Oct-2023	The Vanguard Group, Inc.	BUY	117.73	Ordinary	9,295	9,295
27-Oct-2023	The Vanguard Group, Inc.	BUY	117.32	Ordinary	7,716	7,716
31-Oct-2023	The Vanguard Group, Inc.	BUY	118.74	Ordinary	5,298	5,298
31-Oct-2023	The Vanguard Group, Inc.	BUY	117.58	Ordinary	156	156
31-Oct-2023	The Vanguard Group, Inc.	BUY	117.58	Ordinary	408	408
1-Nov-2023	The Vanguard Group, Inc.	BUY	120.44	Ordinary	1,853	1,853
1-Nov-2023	The Vanguard Group, Inc.	BUY	119.03	Ordinary	7,772	7,772
1-Nov-2023	The Vanguard Group, Inc.	SELL	118.42	Ordinary	(1,069)	(1,069)
3-Nov-2023	The Vanguard Group, Inc.	SELL	122.60	Ordinary	(44)	(44)
3-Nov-2023	The Vanguard Group, Inc.	BUY	122.81	Ordinary	360	360
6-Nov-2023	The Vanguard Group, Inc.	BUY	121.50	Ordinary	14,893	14,893
6-Nov-2023	The Vanguard Group, Inc.	SELL	121.50	Ordinary	(1,795)	(1,795)
6-Nov-2023	The Vanguard Group, Inc.	BUY	120.59	Ordinary	450	450
7-Nov-2023	The Vanguard Group, Inc.	BUY	121.34	Ordinary	7,284	7,284
7-Nov-2023	The Vanguard Group, Inc.	BUY	121.42	Ordinary	2,030	2,030

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7-Nov-2023	The Vanguard Group, Inc.	BUY	121.42	Ordinary	1,440	1,440
7-Nov-2023	The Vanguard Group, Inc.	BUY	121.81	Ordinary	102	102
7-Nov-2023	The Vanguard Group, Inc.	BUY	121.81	Ordinary	273	273
7-Nov-2023	The Vanguard Group, Inc.	BUY	121.81	Ordinary	273	273
8-Nov-2023	The Vanguard Group, Inc.	BUY	119.37	Ordinary	5,742	5,742
8-Nov-2023	The Vanguard Group, Inc.	SELL	119.68	Ordinary	(509)	(509)
9-Nov-2023	The Vanguard Group, Inc.	SELL	120.12	Ordinary	(30,978)	(30,978)
9-Nov-2023	The Vanguard Group, Inc.	BUY	119.70	Ordinary	2,881	2,881
9-Nov-2023	The Vanguard Group, Inc.	BUY	120.12	Ordinary	153	153
10-Nov-2023	The Vanguard Group, Inc.	BUY	120.36	Ordinary	456	456
10-Nov-2023	The Vanguard Group, Inc.	BUY	120.36	Ordinary	2,436	2,436
13-Nov-2023	The Vanguard Group, Inc.	BUY	121.02	Ordinary	7,017	7,017
14-Nov-2023	The Vanguard Group, Inc.	BUY	125.07	Ordinary	6,496	6,496
14-Nov-2023	The Vanguard Group, Inc.	BUY	122.14	Ordinary	6,588	6,588
16-Nov-2023	The Vanguard Group, Inc.	SELL	125.17	Ordinary	(37,352)	(37,352)
16-Nov-2023	The Vanguard Group, Inc.	SELL	125.17	Ordinary	(62)	(62)
16-Nov-2023	The Vanguard Group, Inc.	BUY	125.50	Ordinary	1,613	1,613
20-Nov-2023	The Vanguard Group, Inc.	BUY	125.19	Ordinary	2,030	2,030
20-Nov-2023	The Vanguard Group, Inc.	BUY	125.19	Ordinary	633	633
21-Nov-2023	The Vanguard Group, Inc.	BUY	127.15	Ordinary	2,016	2,016
21-Nov-2023	The Vanguard Group, Inc.	BUY	127.37	Ordinary	102	102
22-Nov-2023	The Vanguard Group, Inc.	BUY	126.93	Ordinary	1,440	1,440
24-Nov-2023	The Vanguard Group, Inc.	BUY	126.80	Ordinary	532	532
27-Nov-2023	The Vanguard Group, Inc.	BUY	125.47	Ordinary	720	720
27-Nov-2023	The Vanguard Group, Inc.	BUY	125.19	Ordinary	536	536
28-Nov-2023	The Vanguard Group, Inc.	BUY	126.12	Ordinary	755	755
29-Nov-2023	The Vanguard Group, Inc.	BUY	124.58	Ordinary	76	76
29-Nov-2023	The Vanguard Group, Inc.	BUY	124.58	Ordinary	273	273
30-Nov-2023	The Vanguard Group, Inc.	BUY	125.04	Ordinary	11,658	11,658
30-Nov-2023	The Vanguard Group, Inc.	BUY	124.26	Ordinary	900	900
30-Nov-2023	The Vanguard Group, Inc.	BUY	124.93	Ordinary	240,308	240,308
30-Nov-2023	The Vanguard Group, Inc.	BUY	125.04	Ordinary	3,021	3,021
1-Dec-2023	The Vanguard Group, Inc.	BUY	124.91	Ordinary	154	154
1-Dec-2023	The Vanguard Group, Inc.	BUY	127.15	Ordinary	2,030	2,030
1-Dec-2023	The Vanguard Group, Inc.	BUY	124.95	Ordinary	421	421
4-Dec-2023	The Vanguard Group, Inc.	BUY	127.07	Ordinary	37	37
4-Dec-2023	The Vanguard Group, Inc.	BUY	126.92	Ordinary	76	76
4-Dec-2023	The Vanguard Group, Inc.	BUY	125.77	Ordinary	608	608
4-Dec-2023	The Vanguard Group, Inc.	BUY	125.77	Ordinary	608	608
4-Dec-2023	The Vanguard Group, Inc.	BUY	125.77	Ordinary	422	422
4-Dec-2023	The Vanguard Group, Inc.	BUY	127.07	Ordinary	1,214	1,214
4-Dec-2023	The Vanguard Group, Inc.	BUY	126.92	Ordinary	260	260
6-Dec-2023	The Vanguard Group, Inc.	BUY	126.45	Ordinary	77	77
6-Dec-2023	The Vanguard Group, Inc.	BUY	126.45	Ordinary	102	102
7-Dec-2023	The Vanguard Group, Inc.	BUY	127.76	Ordinary	77	77
7-Dec-2023	The Vanguard Group, Inc.	BUY	127.76	Ordinary	154	154
7-Dec-2023	The Vanguard Group, Inc.	BUY	128.00	Ordinary	6,387	6,387
8-Dec-2023	The Vanguard Group, Inc.	SELL	127.35	Ordinary	(427)	(427)
11-Dec-2023	The Vanguard Group, Inc.	BUY	128.90	Ordinary	47	47
14-Dec-2023	The Vanguard Group, Inc.	BUY	130.04	Ordinary	77	77
15-Dec-2023	The Vanguard Group, Inc.	BUY	132.86	Ordinary	23	23
15-Dec-2023	The Vanguard Group, Inc.	BUY	132.86	Ordinary	343	343
15-Dec-2023	The Vanguard Group, Inc.	SELL	132.86	Ordinary	(2,661)	(2,661)
15-Dec-2023	The Vanguard Group, Inc.	BUY	132.86	Ordinary	6,557	6,557
15-Dec-2023	The Vanguard Group, Inc.	BUY	132.86	Ordinary	422	422
15-Dec-2023	The Vanguard Group, Inc.	SELL	132.86	Ordinary	(2,649)	(2,649)
15-Dec-2023	The Vanguard Group, Inc.	BUY	132.86	Ordinary	21	21
15-Dec-2023	The Vanguard Group, Inc.	BUY	132.86	Ordinary	2	2
15-Dec-2023	The Vanguard Group, Inc.	SELL	132.86	Ordinary	(595)	(595)
15-Dec-2023	The Vanguard Group, Inc.	BUY	130.66	Ordinary	422	422
15-Dec-2023	The Vanguard Group, Inc.	SELL	132.86	Ordinary	(798)	(798)
15-Dec-2023	The Vanguard Group, Inc.	BUY	132.86	Ordinary	19	19
15-Dec-2023	The Vanguard Group, Inc.	BUY	132.86	Ordinary	278	278
15-Dec-2023	The Vanguard Group, Inc.	BUY	132.86	Ordinary	1,337	1,337
15-Dec-2023	The Vanguard Group, Inc.	BUY	132.86	Ordinary	87	87
15-Dec-2023	The Vanguard Group, Inc.	SELL	132.86	Ordinary	(1,177)	(1,177)
18-Dec-2023	The Vanguard Group, Inc.	BUY	133.26	Ordinary	76	76
19-Dec-2023	The Vanguard Group, Inc.	BUY	133.75	Ordinary	5,620	5,620
19-Dec-2023	The Vanguard Group, Inc.	BUY	134.24	Ordinary	255	255
19-Dec-2023	The Vanguard Group, Inc.	BUY	134.24	Ordinary	102	102
20-Dec-2023	The Vanguard Group, Inc.	BUY	134.37	Ordinary	77	77

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
20-Dec-2023	The Vanguard Group, Inc.	BUY	133.72	Ordinary	4,724	4,724
21-Dec-2023	The Vanguard Group, Inc.	BUY	133.25	Ordinary	4,355	4,355
22-Dec-2023	The Vanguard Group, Inc.	BUY	134.40	Ordinary	231	231
27-Dec-2023	The Vanguard Group, Inc.	BUY	135.32	Ordinary	3,080	3,080
27-Dec-2023	The Vanguard Group, Inc.	BUY	136.04	Ordinary	730	730
28-Dec-2023	The Vanguard Group, Inc.	SELL	136.29	Ordinary	(49)	(49)
28-Dec-2023	The Vanguard Group, Inc.	BUY	136.29	Ordinary	380	380
28-Dec-2023	The Vanguard Group, Inc.	BUY	136.29	Ordinary	96	96
28-Dec-2023	The Vanguard Group, Inc.	BUY	135.62	Ordinary	1,312	1,312
28-Dec-2023	The Vanguard Group, Inc.	BUY	135.26	Ordinary	624	624
28-Dec-2023	The Vanguard Group, Inc.	BUY	136.29	Ordinary	153	153
28-Dec-2023	The Vanguard Group, Inc.	BUY	136.29	Ordinary	306	306
29-Dec-2023	The Vanguard Group, Inc.	BUY	135.88	Ordinary	730	730
2-Jan-2024	The Vanguard Group, Inc.	SELL	134.30	Ordinary	(3,876)	(3,876)
2-Jan-2024	The Vanguard Group, Inc.	BUY	134.30	Ordinary	1,500	1,500
4-Jan-2024	The Vanguard Group, Inc.	BUY	134.50	Ordinary	77	77
4-Jan-2024	The Vanguard Group, Inc.	BUY	134.34	Ordinary	664	664
4-Jan-2024	The Vanguard Group, Inc.	BUY	134.50	Ordinary	102	102
5-Jan-2024	The Vanguard Group, Inc.	BUY	132.27	Ordinary	4,400	4,400
5-Jan-2024	The Vanguard Group, Inc.	SELL	132.27	Ordinary	(2,943)	(2,943)
5-Jan-2024	The Vanguard Group, Inc.	BUY	134.01	Ordinary	5,310	5,310
9-Jan-2024	The Vanguard Group, Inc.	BUY	131.90	Ordinary	77	77
9-Jan-2024	The Vanguard Group, Inc.	BUY	132.07	Ordinary	3,825	3,825
9-Jan-2024	The Vanguard Group, Inc.	BUY	132.07	Ordinary	429	429
9-Jan-2024	The Vanguard Group, Inc.	BUY	131.90	Ordinary	306	306
10-Jan-2024	The Vanguard Group, Inc.	BUY	128.85	Ordinary	1,022	1,022
10-Jan-2024	The Vanguard Group, Inc.	BUY	128.89	Ordinary	141	141
10-Jan-2024	The Vanguard Group, Inc.	BUY	128.85	Ordinary	900	900
10-Jan-2024	The Vanguard Group, Inc.	BUY	128.85	Ordinary	600	600
10-Jan-2024	The Vanguard Group, Inc.	BUY	128.89	Ordinary	405	405
10-Jan-2024	The Vanguard Group, Inc.	BUY	128.90	Ordinary	204	204
11-Jan-2024	The Vanguard Group, Inc.	BUY	128.68	Ordinary	4,677	4,677
11-Jan-2024	The Vanguard Group, Inc.	BUY	128.54	Ordinary	5,132	5,132
12-Jan-2024	The Vanguard Group, Inc.	BUY	129.15	Ordinary	154	154
12-Jan-2024	The Vanguard Group, Inc.	BUY	129.08	Ordinary	1,664	1,664
16-Jan-2024	The Vanguard Group, Inc.	BUY	126.66	Ordinary	154	154
16-Jan-2024	The Vanguard Group, Inc.	BUY	126.62	Ordinary	1,022	1,022
16-Jan-2024	The Vanguard Group, Inc.	BUY	126.62	Ordinary	750	750
16-Jan-2024	The Vanguard Group, Inc.	BUY	126.66	Ordinary	102	102
17-Jan-2024	The Vanguard Group, Inc.	BUY	126.54	Ordinary	48	48
17-Jan-2024	The Vanguard Group, Inc.	BUY	126.02	Ordinary	1,500	1,500
17-Jan-2024	The Vanguard Group, Inc.	BUY	127.73	Ordinary	10,716	10,716
17-Jan-2024	The Vanguard Group, Inc.	BUY	127.73	Ordinary	3,873	3,873
18-Jan-2024	The Vanguard Group, Inc.	BUY	128.45	Ordinary	2,000	2,000
18-Jan-2024	The Vanguard Group, Inc.	BUY	128.45	Ordinary	984	984
18-Jan-2024	The Vanguard Group, Inc.	BUY	125.70	Ordinary	3,890	3,890
18-Jan-2024	The Vanguard Group, Inc.	BUY	128.45	Ordinary	1,500	1,500
19-Jan-2024	The Vanguard Group, Inc.	BUY	128.21	Ordinary	730	730
19-Jan-2024	The Vanguard Group, Inc.	BUY	127.79	Ordinary	7,033	7,033
19-Jan-2024	The Vanguard Group, Inc.	BUY	128.21	Ordinary	1,950	1,950
19-Jan-2024	The Vanguard Group, Inc.	BUY	128.21	Ordinary	1,500	1,500
19-Jan-2024	The Vanguard Group, Inc.	BUY	127.79	Ordinary	4,051	4,051
19-Jan-2024	The Vanguard Group, Inc.	BUY	127.90	Ordinary	2,965	2,965
19-Jan-2024	The Vanguard Group, Inc.	BUY	128.00	Ordinary	95	95
22-Jan-2024	The Vanguard Group, Inc.	BUY	128.03	Ordinary	77	77
23-Jan-2024	The Vanguard Group, Inc.	BUY	127.80	Ordinary	718	718
23-Jan-2024	The Vanguard Group, Inc.	BUY	127.91	Ordinary	730	730
23-Jan-2024	The Vanguard Group, Inc.	BUY	127.91	Ordinary	2,400	2,400
23-Jan-2024	The Vanguard Group, Inc.	BUY	125.81	Ordinary	9,590	9,590
24-Jan-2024	The Vanguard Group, Inc.	BUY	129.02	Ordinary	77	77
24-Jan-2024	The Vanguard Group, Inc.	BUY	129.69	Ordinary	3,498	3,498
25-Jan-2024	The Vanguard Group, Inc.	SELL	129.84	Ordinary	(933)	(933)
29-Jan-2024	The Vanguard Group, Inc.	BUY	131.82	Ordinary	342	342
29-Jan-2024	The Vanguard Group, Inc.	BUY	132.50	Ordinary	522	522
29-Jan-2024	The Vanguard Group, Inc.	BUY	131.82	Ordinary	306	306
29-Jan-2024	The Vanguard Group, Inc.	BUY	131.82	Ordinary	160	160
30-Jan-2024	The Vanguard Group, Inc.	BUY	132.46	Ordinary	154	154
30-Jan-2024	The Vanguard Group, Inc.	BUY	132.46	Ordinary	153	153
30-Jan-2024	The Vanguard Group, Inc.	BUY	132.48	Ordinary	225	225
30-Jan-2024	The Vanguard Group, Inc.	BUY	132.99	Ordinary	338	338
30-Jan-2024	The Vanguard Group, Inc.	SELL	132.99	Ordinary	(735)	(735)

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31-Jan-2024	The Vanguard Group, Inc.	BUY	132.25	Ordinary	3,800	3,800
1-Feb-2024	The Vanguard Group, Inc.	SELL	132.89	Ordinary	(1,680)	(1,680)
1-Feb-2024	The Vanguard Group, Inc.	BUY	132.89	Ordinary	2,400	2,400
1-Feb-2024	The Vanguard Group, Inc.	BUY	132.89	Ordinary	1,800	1,800
1-Feb-2024	The Vanguard Group, Inc.	BUY	132.89	Ordinary	1,950	1,950
1-Feb-2024	The Vanguard Group, Inc.	BUY	132.89	Ordinary	975	975
1-Feb-2024	The Vanguard Group, Inc.	BUY	131.51	Ordinary	4,727	4,727
2-Feb-2024	The Vanguard Group, Inc.	BUY	132.00	Ordinary	1,232	1,232
2-Feb-2024	The Vanguard Group, Inc.	BUY	132.00	Ordinary	77	77
2-Feb-2024	The Vanguard Group, Inc.	BUY	130.01	Ordinary	1,606	1,606
2-Feb-2024	The Vanguard Group, Inc.	BUY	132.00	Ordinary	153	153
5-Feb-2024	The Vanguard Group, Inc.	BUY	128.27	Ordinary	2,400	2,400
5-Feb-2024	The Vanguard Group, Inc.	BUY	129.12	Ordinary	40	40
6-Feb-2024	The Vanguard Group, Inc.	BUY	128.41	Ordinary	77	77
6-Feb-2024	The Vanguard Group, Inc.	BUY	128.41	Ordinary	77	77
6-Feb-2024	The Vanguard Group, Inc.	BUY	128.41	Ordinary	306	306
7-Feb-2024	The Vanguard Group, Inc.	BUY	129.18	Ordinary	876	876
7-Feb-2024	The Vanguard Group, Inc.	BUY	129.18	Ordinary	2,000	2,000
7-Feb-2024	The Vanguard Group, Inc.	BUY	129.18	Ordinary	600	600
7-Feb-2024	The Vanguard Group, Inc.	BUY	129.18	Ordinary	1,650	1,650
7-Feb-2024	The Vanguard Group, Inc.	BUY	129.61	Ordinary	538	538
7-Feb-2024	The Vanguard Group, Inc.	BUY	129.61	Ordinary	208	208
12-Feb-2024	The Vanguard Group, Inc.	BUY	128.93	Ordinary	77	77
12-Feb-2024	The Vanguard Group, Inc.	BUY	129.73	Ordinary	6,000	6,000
13-Feb-2024	The Vanguard Group, Inc.	BUY	126.84	Ordinary	2,175	2,175
13-Feb-2024	The Vanguard Group, Inc.	BUY	126.84	Ordinary	600	600
13-Feb-2024	The Vanguard Group, Inc.	BUY	129.52	Ordinary	4,918	4,918
15-Feb-2024	The Vanguard Group, Inc.	BUY	127.39	Ordinary	77	77
15-Feb-2024	The Vanguard Group, Inc.	BUY	127.40	Ordinary	4,092	4,092
16-Feb-2024	The Vanguard Group, Inc.	SELL	128.30	Ordinary	(319)	(319)
16-Feb-2024	The Vanguard Group, Inc.	BUY	129.45	Ordinary	1,022	1,022
16-Feb-2024	The Vanguard Group, Inc.	BUY	129.45	Ordinary	3,600	3,600
16-Feb-2024	The Vanguard Group, Inc.	BUY	129.45	Ordinary	1,650	1,650
16-Feb-2024	The Vanguard Group, Inc.	BUY	128.42	Ordinary	6,226	6,226
20-Feb-2024	The Vanguard Group, Inc.	BUY	128.04	Ordinary	77	77
20-Feb-2024	The Vanguard Group, Inc.	BUY	127.71	Ordinary	1,268	1,268
21-Feb-2024	The Vanguard Group, Inc.	BUY	125.04	Ordinary	2,359	2,359
21-Feb-2024	The Vanguard Group, Inc.	BUY	125.80	Ordinary	103	103
21-Feb-2024	The Vanguard Group, Inc.	BUY	125.80	Ordinary	3,412	3,412
21-Feb-2024	The Vanguard Group, Inc.	BUY	125.04	Ordinary	4,750	4,750
21-Feb-2024	The Vanguard Group, Inc.	BUY	125.80	Ordinary	102	102
22-Feb-2024	The Vanguard Group, Inc.	BUY	124.36	Ordinary	374	374
22-Feb-2024	The Vanguard Group, Inc.	BUY	124.35	Ordinary	97	97
23-Feb-2024	The Vanguard Group, Inc.	BUY	124.40	Ordinary	154	154
26-Feb-2024	The Vanguard Group, Inc.	BUY	122.50	Ordinary	1,350	1,350
28-Feb-2024	The Vanguard Group, Inc.	BUY	123.38	Ordinary	42	42
28-Feb-2024	The Vanguard Group, Inc.	BUY	123.38	Ordinary	3,780	3,780
29-Feb-2024	The Vanguard Group, Inc.	BUY	123.78	Ordinary	3,451	3,451
29-Feb-2024	The Vanguard Group, Inc.	BUY	122.99	Ordinary	4,690	4,690
1-Mar-2024	The Vanguard Group, Inc.	BUY	124.87	Ordinary	632	632
1-Mar-2024	The Vanguard Group, Inc.	BUY	124.61	Ordinary	2,009	2,009
1-Mar-2024	The Vanguard Group, Inc.	BUY	124.87	Ordinary	208	208
1-Mar-2024	The Vanguard Group, Inc.	SELL	124.87	Ordinary	(320)	(320)
4-Mar-2024	The Vanguard Group, Inc.	BUY	123.41	Ordinary	77	77
4-Mar-2024	The Vanguard Group, Inc.	BUY	123.50	Ordinary	876	876
4-Mar-2024	The Vanguard Group, Inc.	BUY	123.41	Ordinary	52	52
4-Mar-2024	The Vanguard Group, Inc.	BUY	123.41	Ordinary	102	102
5-Mar-2024	The Vanguard Group, Inc.	BUY	124.77	Ordinary	924	924
5-Mar-2024	The Vanguard Group, Inc.	BUY	124.77	Ordinary	76	76
5-Mar-2024	The Vanguard Group, Inc.	BUY	124.77	Ordinary	1,153	1,153
5-Mar-2024	The Vanguard Group, Inc.	BUY	124.78	Ordinary	3,398	3,398
6-Mar-2024	The Vanguard Group, Inc.	BUY	123.64	Ordinary	76	76
6-Mar-2024	The Vanguard Group, Inc.	BUY	123.64	Ordinary	19	19
6-Mar-2024	The Vanguard Group, Inc.	BUY	123.64	Ordinary	7,513	7,513
6-Mar-2024	The Vanguard Group, Inc.	BUY	123.64	Ordinary	2,640	2,640
6-Mar-2024	The Vanguard Group, Inc.	BUY	123.64	Ordinary	478	478
6-Mar-2024	The Vanguard Group, Inc.	BUY	123.64	Ordinary	104	104
7-Mar-2024	The Vanguard Group, Inc.	BUY	120.62	Ordinary	84	84
7-Mar-2024	The Vanguard Group, Inc.	BUY	121.39	Ordinary	1,500	1,500
7-Mar-2024	The Vanguard Group, Inc.	BUY	120.62	Ordinary	160	160
8-Mar-2024	The Vanguard Group, Inc.	BUY	119.90	Ordinary	73	73

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8-Mar-2024	The Vanguard Group, Inc.	BUY	119.90	Ordinary	377	377
8-Mar-2024	The Vanguard Group, Inc.	BUY	119.12	Ordinary	1,350	1,350
11-Mar-2024	The Vanguard Group, Inc.	BUY	115.59	Ordinary	77	77
11-Mar-2024	The Vanguard Group, Inc.	BUY	115.59	Ordinary	255	255
12-Mar-2024	The Vanguard Group, Inc.	BUY	115.30	Ordinary	1,050	1,050
12-Mar-2024	The Vanguard Group, Inc.	BUY	115.30	Ordinary	750	750
12-Mar-2024	The Vanguard Group, Inc.	BUY	115.35	Ordinary	102	102
12-Mar-2024	The Vanguard Group, Inc.	BUY	115.35	Ordinary	153	153
13-Mar-2024	The Vanguard Group, Inc.	BUY	116.95	Ordinary	82	82
13-Mar-2024	The Vanguard Group, Inc.	BUY	116.95	Ordinary	52	52
13-Mar-2024	The Vanguard Group, Inc.	BUY	117.51	Ordinary	1,650	1,650
14-Mar-2024	The Vanguard Group, Inc.	SELL	119.19	Ordinary	(4,142)	(4,142)
14-Mar-2024	The Vanguard Group, Inc.	BUY	118.14	Ordinary	292	292
14-Mar-2024	The Vanguard Group, Inc.	BUY	119.19	Ordinary	32	32
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(34)	(34)
15-Mar-2024	The Vanguard Group, Inc.	BUY	116.95	Ordinary	1,077	1,077
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(1)	(1)
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(2,807)	(2,807)
15-Mar-2024	The Vanguard Group, Inc.	BUY	117.09	Ordinary	3,591	3,591
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(1)	(1)
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(1,281)	(1,281)
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(307)	(307)
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(9)	(9)
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(18,218)	(18,218)
15-Mar-2024	The Vanguard Group, Inc.	BUY	117.09	Ordinary	1,500	1,500
15-Mar-2024	The Vanguard Group, Inc.	BUY	117.09	Ordinary	1,125	1,125
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(4)	(4)
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(8,069)	(8,069)
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(13,477)	(13,477)
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(7)	(7)
15-Mar-2024	The Vanguard Group, Inc.	BUY	116.95	Ordinary	2,230	2,230
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(3,278)	(3,278)
15-Mar-2024	The Vanguard Group, Inc.	BUY	116.95	Ordinary	400	400
15-Mar-2024	The Vanguard Group, Inc.	SELL	116.95	Ordinary	(2)	(2)
18-Mar-2024	The Vanguard Group, Inc.	BUY	117.48	Ordinary	312	312
19-Mar-2024	The Vanguard Group, Inc.	SELL	120.39	Ordinary	(5,654)	(5,654)
19-Mar-2024	The Vanguard Group, Inc.	BUY	120.39	Ordinary	102	102
21-Mar-2024	The Vanguard Group, Inc.	BUY	121.82	Ordinary	3,639	3,639
21-Mar-2024	The Vanguard Group, Inc.	BUY	121.82	Ordinary	534	534
21-Mar-2024	The Vanguard Group, Inc.	BUY	121.14	Ordinary	102	102
22-Mar-2024	The Vanguard Group, Inc.	BUY	120.80	Ordinary	620	620
22-Mar-2024	The Vanguard Group, Inc.	BUY	120.80	Ordinary	1,500	1,500
22-Mar-2024	The Vanguard Group, Inc.	BUY	121.66	Ordinary	5,800	5,800
25-Mar-2024	The Vanguard Group, Inc.	SELL	121.62	Ordinary	(3,270)	(3,270)
25-Mar-2024	The Vanguard Group, Inc.	BUY	121.56	Ordinary	4,708	4,708
25-Mar-2024	The Vanguard Group, Inc.	BUY	121.56	Ordinary	496	496
26-Mar-2024	The Vanguard Group, Inc.	BUY	121.67	Ordinary	3,154	3,154
26-Mar-2024	The Vanguard Group, Inc.	BUY	121.41	Ordinary	52	52
26-Mar-2024	The Vanguard Group, Inc.	BUY	121.41	Ordinary	1,200	1,200
27-Mar-2024	The Vanguard Group, Inc.	BUY	120.93	Ordinary	2,430	2,430
27-Mar-2024	The Vanguard Group, Inc.	BUY	120.93	Ordinary	7,490	7,490
27-Mar-2024	The Vanguard Group, Inc.	BUY	120.93	Ordinary	4,596	4,596
27-Mar-2024	The Vanguard Group, Inc.	BUY	120.93	Ordinary	3,147	3,147
27-Mar-2024	The Vanguard Group, Inc.	BUY	120.93	Ordinary	5,414	5,414
27-Mar-2024	The Vanguard Group, Inc.	BUY	120.93	Ordinary	327	327
27-Mar-2024	The Vanguard Group, Inc.	BUY	119.20	Ordinary	3,047	3,047
28-Mar-2024	The Vanguard Group, Inc.	BUY	121.76	Ordinary	80	80
28-Mar-2024	The Vanguard Group, Inc.	BUY	121.79	Ordinary	2,394	2,394
28-Mar-2024	The Vanguard Group, Inc.	BUY	121.79	Ordinary	900	900
2-Apr-2024	The Vanguard Group, Inc.	BUY	122.10	Ordinary	3,200	3,200
2-Apr-2024	The Vanguard Group, Inc.	BUY	122.10	Ordinary	1,500	1,500
2-Apr-2024	The Vanguard Group, Inc.	BUY	122.10	Ordinary	675	675
2-Apr-2024	The Vanguard Group, Inc.	BUY	122.10	Ordinary	1,350	1,350
2-Apr-2024	The Vanguard Group, Inc.	BUY	122.51	Ordinary	3,487	3,487
2-Apr-2024	The Vanguard Group, Inc.	BUY	122.51	Ordinary	2,271	2,271
2-Apr-2024	The Vanguard Group, Inc.	BUY	122.59	Ordinary	102	102
3-Apr-2024	The Vanguard Group, Inc.	BUY	123.06	Ordinary	160	160
3-Apr-2024	The Vanguard Group, Inc.	BUY	123.70	Ordinary	372	372
3-Apr-2024	The Vanguard Group, Inc.	BUY	123.70	Ordinary	975	975
3-Apr-2024	The Vanguard Group, Inc.	BUY	123.06	Ordinary	306	306
3-Apr-2024	The Vanguard Group, Inc.	BUY	123.06	Ordinary	504	504

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
4-Apr-2024	The Vanguard Group, Inc.	BUY	121.81	Ordinary	83	83
4-Apr-2024	The Vanguard Group, Inc.	BUY	121.81	Ordinary	102	102
5-Apr-2024	The Vanguard Group, Inc.	BUY	121.33	Ordinary	2,000	2,000
5-Apr-2024	The Vanguard Group, Inc.	BUY	120.55	Ordinary	80	80
8-Apr-2024	The Vanguard Group, Inc.	BUY	121.76	Ordinary	83	83
8-Apr-2024	The Vanguard Group, Inc.	BUY	121.76	Ordinary	166	166
8-Apr-2024	The Vanguard Group, Inc.	BUY	121.76	Ordinary	102	102
8-Apr-2024	The Vanguard Group, Inc.	BUY	121.76	Ordinary	204	204
9-Apr-2024	The Vanguard Group, Inc.	BUY	126.42	Ordinary	3,790	3,790
9-Apr-2024	The Vanguard Group, Inc.	BUY	125.36	Ordinary	360	360
10-Apr-2024	The Vanguard Group, Inc.	BUY	127.75	Ordinary	160	160
10-Apr-2024	The Vanguard Group, Inc.	BUY	127.75	Ordinary	4,337	4,337
10-Apr-2024	The Vanguard Group, Inc.	SELL	126.79	Ordinary	(1,980)	(1,980)
10-Apr-2024	The Vanguard Group, Inc.	BUY	127.75	Ordinary	53	53
10-Apr-2024	The Vanguard Group, Inc.	BUY	126.79	Ordinary	1,200	1,200
10-Apr-2024	The Vanguard Group, Inc.	BUY	127.75	Ordinary	153	153
10-Apr-2024	The Vanguard Group, Inc.	BUY	127.75	Ordinary	160	160
11-Apr-2024	The Vanguard Group, Inc.	BUY	127.75	Ordinary	5,466	5,466
11-Apr-2024	The Vanguard Group, Inc.	BUY	128.24	Ordinary	80	80
12-Apr-2024	The Vanguard Group, Inc.	BUY	127.90	Ordinary	340	340
12-Apr-2024	The Vanguard Group, Inc.	BUY	127.90	Ordinary	153	153
12-Apr-2024	The Vanguard Group, Inc.	BUY	127.90	Ordinary	102	102
15-Apr-2024	The Vanguard Group, Inc.	BUY	132.55	Ordinary	362	362
15-Apr-2024	The Vanguard Group, Inc.	BUY	132.55	Ordinary	81	81
15-Apr-2024	The Vanguard Group, Inc.	SELL	131.68	Ordinary	(1,254)	(1,254)
15-Apr-2024	The Vanguard Group, Inc.	BUY	131.68	Ordinary	675	675
15-Apr-2024	The Vanguard Group, Inc.	BUY	131.68	Ordinary	1,350	1,350
15-Apr-2024	The Vanguard Group, Inc.	BUY	129.70	Ordinary	4,386	4,386
17-Apr-2024	The Vanguard Group, Inc.	BUY	128.72	Ordinary	82	82
17-Apr-2024	The Vanguard Group, Inc.	BUY	128.72	Ordinary	44	44
17-Apr-2024	The Vanguard Group, Inc.	BUY	128.15	Ordinary	3,401	3,401
17-Apr-2024	The Vanguard Group, Inc.	BUY	128.15	Ordinary	4,891	4,891
17-Apr-2024	The Vanguard Group, Inc.	BUY	128.72	Ordinary	102	102
17-Apr-2024	The Vanguard Group, Inc.	BUY	128.72	Ordinary	255	255
18-Apr-2024	The Vanguard Group, Inc.	BUY	130.31	Ordinary	5,031	5,031
19-Apr-2024	The Vanguard Group, Inc.	BUY	129.52	Ordinary	164	164
19-Apr-2024	The Vanguard Group, Inc.	BUY	129.52	Ordinary	3,305	3,305
19-Apr-2024	The Vanguard Group, Inc.	BUY	129.75	Ordinary	2,023	2,023
19-Apr-2024	The Vanguard Group, Inc.	BUY	129.52	Ordinary	361	361
22-Apr-2024	The Vanguard Group, Inc.	SELL	130.15	Ordinary	(1,055)	(1,055)
22-Apr-2024	The Vanguard Group, Inc.	BUY	130.15	Ordinary	1,500	1,500
22-Apr-2024	The Vanguard Group, Inc.	BUY	131.55	Ordinary	7,535	7,535
23-Apr-2024	The Vanguard Group, Inc.	BUY	129.57	Ordinary	616	616
23-Apr-2024	The Vanguard Group, Inc.	BUY	129.94	Ordinary	4,635	4,635
23-Apr-2024	The Vanguard Group, Inc.	BUY	129.94	Ordinary	24	24
23-Apr-2024	The Vanguard Group, Inc.	BUY	129.94	Ordinary	8,077	8,077
23-Apr-2024	The Vanguard Group, Inc.	BUY	129.58	Ordinary	1,202	1,202
23-Apr-2024	The Vanguard Group, Inc.	BUY	129.57	Ordinary	160	160
24-Apr-2024	The Vanguard Group, Inc.	BUY	129.38	Ordinary	164	164
24-Apr-2024	The Vanguard Group, Inc.	BUY	127.71	Ordinary	375	375
24-Apr-2024	The Vanguard Group, Inc.	BUY	128.14	Ordinary	5,047	5,047
24-Apr-2024	The Vanguard Group, Inc.	BUY	129.38	Ordinary	204	204
24-Apr-2024	The Vanguard Group, Inc.	BUY	129.38	Ordinary	144	144
24-Apr-2024	The Vanguard Group, Inc.	BUY	129.38	Ordinary	240	240
26-Apr-2024	The Vanguard Group, Inc.	BUY	130.85	Ordinary	4,393	4,393
26-Apr-2024	The Vanguard Group, Inc.	BUY	130.37	Ordinary	117	117
26-Apr-2024	The Vanguard Group, Inc.	BUY	130.85	Ordinary	3,808	3,808
26-Apr-2024	The Vanguard Group, Inc.	BUY	130.37	Ordinary	60	60
29-Apr-2024	The Vanguard Group, Inc.	BUY	130.98	Ordinary	2,483	2,483
30-Apr-2024	The Vanguard Group, Inc.	BUY	130.00	Ordinary	74	74
30-Apr-2024	The Vanguard Group, Inc.	BUY	128.47	Ordinary	1,125	1,125
30-Apr-2024	The Vanguard Group, Inc.	BUY	130.49	Ordinary	459	459
1-May-2024	The Vanguard Group, Inc.	BUY	129.26	Ordinary	326	326
1-May-2024	The Vanguard Group, Inc.	SELL	128.82	Ordinary	(1,899)	(1,899)
1-May-2024	The Vanguard Group, Inc.	BUY	129.26	Ordinary	5,541	5,541
2-May-2024	The Vanguard Group, Inc.	BUY	129.10	Ordinary	59	59
2-May-2024	The Vanguard Group, Inc.	BUY	129.54	Ordinary	1,275	1,275
2-May-2024	The Vanguard Group, Inc.	BUY	129.40	Ordinary	1,798	1,798
3-May-2024	The Vanguard Group, Inc.	BUY	129.24	Ordinary	158	158
3-May-2024	The Vanguard Group, Inc.	BUY	129.24	Ordinary	158	158
3-May-2024	The Vanguard Group, Inc.	BUY	129.24	Ordinary	240	240



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
6-May-2024	The Vanguard Group, Inc.	BUY	130.42	Ordinary	8,888	8,888
6-May-2024	The Vanguard Group, Inc.	BUY	130.42	Ordinary	600	600
7-May-2024	The Vanguard Group, Inc.	BUY	131.71	Ordinary	4,215	4,215
7-May-2024	The Vanguard Group, Inc.	BUY	131.71	Ordinary	90	90
7-May-2024	The Vanguard Group, Inc.	BUY	132.10	Ordinary	600	600
7-May-2024	The Vanguard Group, Inc.	BUY	131.71	Ordinary	259	259
7-May-2024	The Vanguard Group, Inc.	BUY	131.71	Ordinary	288	288
8-May-2024	The Vanguard Group, Inc.	BUY	130.20	Ordinary	4,691	4,691
8-May-2024	The Vanguard Group, Inc.	BUY	130.20	Ordinary	3,476	3,476
8-May-2024	The Vanguard Group, Inc.	BUY	130.20	Ordinary	2,444	2,444
8-May-2024	The Vanguard Group, Inc.	BUY	130.20	Ordinary	153	153
8-May-2024	The Vanguard Group, Inc.	BUY	130.20	Ordinary	2,493	2,493
10-May-2024	The Vanguard Group, Inc.	BUY	130.95	Ordinary	2,805	2,805
10-May-2024	The Vanguard Group, Inc.	BUY	130.00	Ordinary	1,584	1,584
10-May-2024	The Vanguard Group, Inc.	BUY	130.00	Ordinary	3,750	3,750
10-May-2024	The Vanguard Group, Inc.	BUY	130.00	Ordinary	2,625	2,625
10-May-2024	The Vanguard Group, Inc.	BUY	130.02	Ordinary	2,350	2,350
10-May-2024	The Vanguard Group, Inc.	BUY	130.00	Ordinary	606	606
10-May-2024	The Vanguard Group, Inc.	BUY	130.02	Ordinary	462	462
10-May-2024	The Vanguard Group, Inc.	BUY	130.02	Ordinary	360	360
10-May-2024	The Vanguard Group, Inc.	BUY	130.02	Ordinary	306	306
13-May-2024	The Vanguard Group, Inc.	BUY	129.04	Ordinary	240	240
14-May-2024	The Vanguard Group, Inc.	BUY	128.12	Ordinary	156	156
15-May-2024	The Vanguard Group, Inc.	BUY	130.12	Ordinary	1,985	1,985
15-May-2024	The Vanguard Group, Inc.	BUY	129.48	Ordinary	65	65
15-May-2024	The Vanguard Group, Inc.	BUY	129.48	Ordinary	3,888	3,888
15-May-2024	The Vanguard Group, Inc.	BUY	130.12	Ordinary	600	600
15-May-2024	The Vanguard Group, Inc.	BUY	129.48	Ordinary	204	204
15-May-2024	The Vanguard Group, Inc.	BUY	129.48	Ordinary	480	480
16-May-2024	The Vanguard Group, Inc.	BUY	130.99	Ordinary	2,674	2,674
17-May-2024	The Vanguard Group, Inc.	BUY	132.15	Ordinary	2,418	2,418
17-May-2024	The Vanguard Group, Inc.	BUY	133.18	Ordinary	1,500	1,500
17-May-2024	The Vanguard Group, Inc.	BUY	132.15	Ordinary	416	416
17-May-2024	The Vanguard Group, Inc.	BUY	132.15	Ordinary	2,803	2,803
17-May-2024	The Vanguard Group, Inc.	BUY	132.15	Ordinary	284	284
20-May-2024	The Vanguard Group, Inc.	BUY	135.87	Ordinary	75	75
20-May-2024	The Vanguard Group, Inc.	BUY	134.13	Ordinary	4,134	4,134
21-May-2024	The Vanguard Group, Inc.	BUY	134.09	Ordinary	160	160
22-May-2024	The Vanguard Group, Inc.	BUY	136.17	Ordinary	156	156
23-May-2024	The Vanguard Group, Inc.	BUY	133.50	Ordinary	3,425	3,425
23-May-2024	The Vanguard Group, Inc.	BUY	133.50	Ordinary	240	240
24-May-2024	The Vanguard Group, Inc.	BUY	132.50	Ordinary	9,548	9,548
24-May-2024	The Vanguard Group, Inc.	BUY	132.50	Ordinary	75	75
24-May-2024	The Vanguard Group, Inc.	SELL	132.40	Ordinary	(6,165)	(6,165)
24-May-2024	The Vanguard Group, Inc.	BUY	132.50	Ordinary	160	160
28-May-2024	The Vanguard Group, Inc.	BUY	130.27	Ordinary	1,985	1,985
28-May-2024	The Vanguard Group, Inc.	BUY	131.62	Ordinary	255	255
29-May-2024	The Vanguard Group, Inc.	BUY	129.66	Ordinary	28	28
29-May-2024	The Vanguard Group, Inc.	BUY	129.66	Ordinary	2,005	2,005
29-May-2024	The Vanguard Group, Inc.	BUY	129.66	Ordinary	153	153
30-May-2024	The Vanguard Group, Inc.	BUY	127.66	Ordinary	156	156
30-May-2024	The Vanguard Group, Inc.	BUY	129.44	Ordinary	1,985	1,985
30-May-2024	The Vanguard Group, Inc.	BUY	127.66	Ordinary	357	357
31-May-2024	The Vanguard Group, Inc.	BUY	128.96	Ordinary	7,349	7,349
31-May-2024	The Vanguard Group, Inc.	BUY	128.96	Ordinary	4,875	4,875
31-May-2024	The Vanguard Group, Inc.	BUY	128.96	Ordinary	156	156
31-May-2024	The Vanguard Group, Inc.	BUY	128.96	Ordinary	65	65
31-May-2024	The Vanguard Group, Inc.	BUY	128.96	Ordinary	72	72
31-May-2024	The Vanguard Group, Inc.	BUY	128.96	Ordinary	204	204
3-Jun-2024	The Vanguard Group, Inc.	BUY	128.52	Ordinary	6,750	6,750
4-Jun-2024	The Vanguard Group, Inc.	BUY	127.47	Ordinary	78	78
4-Jun-2024	The Vanguard Group, Inc.	SELL	127.10	Ordinary	(1,055)	(1,055)
4-Jun-2024	The Vanguard Group, Inc.	BUY	128.65	Ordinary	6,896	6,896
4-Jun-2024	The Vanguard Group, Inc.	BUY	127.47	Ordinary	72	72
5-Jun-2024	The Vanguard Group, Inc.	SELL	126.23	Ordinary	(3,376)	(3,376)
5-Jun-2024	The Vanguard Group, Inc.	BUY	125.60	Ordinary	1,764	1,764
5-Jun-2024	The Vanguard Group, Inc.	BUY	125.60	Ordinary	153	153
6-Jun-2024	The Vanguard Group, Inc.	BUY	124.51	Ordinary	360	360
6-Jun-2024	The Vanguard Group, Inc.	BUY	124.51	Ordinary	612	612
6-Jun-2024	The Vanguard Group, Inc.	BUY	124.51	Ordinary	102	102
7-Jun-2024	The Vanguard Group, Inc.	BUY	125.31	Ordinary	645	645

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7-Jun-2024	The Vanguard Group, Inc.	BUY	125.31	Ordinary	320	320
11-Jun-2024	The Vanguard Group, Inc.	BUY	122.91	Ordinary	48	48
11-Jun-2024	The Vanguard Group, Inc.	BUY	123.86	Ordinary	57	57
11-Jun-2024	The Vanguard Group, Inc.	BUY	122.91	Ordinary	102	102
11-Jun-2024	The Vanguard Group, Inc.	BUY	122.91	Ordinary	459	459
12-Jun-2024	The Vanguard Group, Inc.	BUY	122.06	Ordinary	450	450
13-Jun-2024	The Vanguard Group, Inc.	BUY	120.62	Ordinary	62	62
14-Jun-2024	The Vanguard Group, Inc.	BUY	120.20	Ordinary	204	204
17-Jun-2024	The Vanguard Group, Inc.	BUY	118.56	Ordinary	372	372
17-Jun-2024	The Vanguard Group, Inc.	BUY	118.56	Ordinary	1,320	1,320
17-Jun-2024	The Vanguard Group, Inc.	BUY	118.56	Ordinary	3,300	3,300
18-Jun-2024	The Vanguard Group, Inc.	BUY	119.21	Ordinary	868	868
18-Jun-2024	The Vanguard Group, Inc.	BUY	119.21	Ordinary	3,176	3,176
18-Jun-2024	The Vanguard Group, Inc.	BUY	119.21	Ordinary	3,960	3,960
18-Jun-2024	The Vanguard Group, Inc.	BUY	119.21	Ordinary	1,500	1,500
18-Jun-2024	The Vanguard Group, Inc.	BUY	119.26	Ordinary	51	51
20-Jun-2024	The Vanguard Group, Inc.	BUY	119.67	Ordinary	75	75
21-Jun-2024	The Vanguard Group, Inc.	BUY	120.25	Ordinary	3,733	3,733
21-Jun-2024	The Vanguard Group, Inc.	BUY	120.25	Ordinary	78	78
21-Jun-2024	The Vanguard Group, Inc.	SELL	119.98	Ordinary	(1,688)	(1,688)
21-Jun-2024	The Vanguard Group, Inc.	SELL	120.25	Ordinary	(2,233)	(2,233)
21-Jun-2024	The Vanguard Group, Inc.	BUY	119.98	Ordinary	1,116	1,116
21-Jun-2024	The Vanguard Group, Inc.	SELL	120.25	Ordinary	(51)	(51)
21-Jun-2024	The Vanguard Group, Inc.	BUY	120.25	Ordinary	898	898
21-Jun-2024	The Vanguard Group, Inc.	BUY	120.25	Ordinary	10,059	10,059
21-Jun-2024	The Vanguard Group, Inc.	SELL	120.25	Ordinary	(1,468)	(1,468)
7-Apr-2022	Vanguard Investments Australia Ltd.	BUY	118.74	Ordinary	1,815	1,815
8-Apr-2022	Vanguard Investments Australia Ltd.	BUY	118.98	Ordinary	1,210	1,210
11-Apr-2022	Vanguard Investments Australia Ltd.	BUY	117.50	Ordinary	1,210	1,210
12-Apr-2022	Vanguard Investments Australia Ltd.	BUY	118.09	Ordinary	1,212	1,212
13-Apr-2022	Vanguard Investments Australia Ltd.	BUY	120.50	Ordinary	4,710	4,710
14-Apr-2022	Vanguard Investments Australia Ltd.	BUY	120.54	Ordinary	418	418
20-Apr-2022	Vanguard Investments Australia Ltd.	BUY	118.30	Ordinary	1,212	1,212
21-Apr-2022	Vanguard Investments Australia Ltd.	BUY	116.36	Ordinary	1,212	1,212
22-Apr-2022	Vanguard Investments Australia Ltd.	BUY	113.60	Ordinary	3,140	3,140
22-Apr-2022	Vanguard Investments Australia Ltd.	BUY	113.60	Ordinary	1,818	1,818
26-Apr-2022	Vanguard Investments Australia Ltd.	BUY	108.76	Ordinary	28,260	28,260
26-Apr-2022	Vanguard Investments Australia Ltd.	BUY	108.76	Ordinary	1,212	1,212
27-Apr-2022	Vanguard Investments Australia Ltd.	BUY	108.96	Ordinary	1,570	1,570
27-Apr-2022	Vanguard Investments Australia Ltd.	BUY	108.96	Ordinary	1,605	1,605
27-Apr-2022	Vanguard Investments Australia Ltd.	BUY	108.96	Ordinary	3,025	3,025
27-Apr-2022	Vanguard Investments Australia Ltd.	BUY	108.96	Ordinary	1,815	1,815
27-Apr-2022	Vanguard Investments Australia Ltd.	BUY	108.96	Ordinary	418	418
28-Apr-2022	Vanguard Investments Australia Ltd.	BUY	112.80	Ordinary	3,140	3,140
29-Apr-2022	Vanguard Investments Australia Ltd.	SELL	112.83	Ordinary	(34,110)	(34,110)
29-Apr-2022	Vanguard Investments Australia Ltd.	BUY	112.83	Ordinary	2,420	2,420
3-May-2022	Vanguard Investments Australia Ltd.	BUY	111.85	Ordinary	4,818	4,818
4-May-2022	Vanguard Investments Australia Ltd.	BUY	111.11	Ordinary	1,565	1,565
5-May-2022	Vanguard Investments Australia Ltd.	BUY	111.58	Ordinary	4,695	4,695
5-May-2022	Vanguard Investments Australia Ltd.	SELL	111.58	Ordinary	(7,109)	(7,109)
6-May-2022	Vanguard Investments Australia Ltd.	BUY	109.26	Ordinary	2,420	2,420
9-May-2022	Vanguard Investments Australia Ltd.	BUY	106.80	Ordinary	939	939
9-May-2022	Vanguard Investments Australia Ltd.	BUY	106.80	Ordinary	5,008	5,008
10-May-2022	Vanguard Investments Australia Ltd.	BUY	102.97	Ordinary	21,597	21,597
10-May-2022	Vanguard Investments Australia Ltd.	BUY	102.97	Ordinary	3,130	3,130
11-May-2022	Vanguard Investments Australia Ltd.	BUY	105.64	Ordinary	2,428	2,428
16-May-2022	Vanguard Investments Australia Ltd.	BUY	104.40	Ordinary	3,756	3,756
16-May-2022	Vanguard Investments Australia Ltd.	BUY	104.40	Ordinary	1,565	1,565
16-May-2022	Vanguard Investments Australia Ltd.	BUY	104.40	Ordinary	1,824	1,824
18-May-2022	Vanguard Investments Australia Ltd.	BUY	108.86	Ordinary	3,756	3,756
18-May-2022	Vanguard Investments Australia Ltd.	BUY	108.86	Ordinary	1,216	1,216
20-May-2022	Vanguard Investments Australia Ltd.	BUY	108.35	Ordinary	3,768	3,768
20-May-2022	Vanguard Investments Australia Ltd.	BUY	108.35	Ordinary	1,827	1,827
24-May-2022	Vanguard Investments Australia Ltd.	BUY	110.47	Ordinary	608	608
25-May-2022	Vanguard Investments Australia Ltd.	BUY	111.96	Ordinary	609	609
27-May-2022	Vanguard Investments Australia Ltd.	BUY	113.39	Ordinary	421	421
30-May-2022	Vanguard Investments Australia Ltd.	BUY	113.80	Ordinary	3,130	3,130
30-May-2022	Vanguard Investments Australia Ltd.	BUY	113.80	Ordinary	2,436	2,436
30-May-2022	Vanguard Investments Australia Ltd.	SELL	113.80	Ordinary	(421)	(421)
31-May-2022	Vanguard Investments Australia Ltd.	BUY	114.45	Ordinary	421	421
31-May-2022	Vanguard Investments Australia Ltd.	BUY	114.45	Ordinary	541	541

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-Jun-2022	Vanguard Investments Australia Ltd.	BUY	116.03	Ordinary	3,744	3,744
3-Jun-2022	Vanguard Investments Australia Ltd.	BUY	116.03	Ordinary	2,436	2,436
7-Jun-2022	Vanguard Investments Australia Ltd.	BUY	116.55	Ordinary	17,784	17,784
8-Jun-2022	Vanguard Investments Australia Ltd.	BUY	118.92	Ordinary	3,744	3,744
8-Jun-2022	Vanguard Investments Australia Ltd.	BUY	118.92	Ordinary	1,218	1,218
8-Jun-2022	Vanguard Investments Australia Ltd.	BUY	118.92	Ordinary	3,045	3,045
9-Jun-2022	Vanguard Investments Australia Ltd.	BUY	117.47	Ordinary	426	426
10-Jun-2022	Vanguard Investments Australia Ltd.	BUY	115.90	Ordinary	6,240	6,240
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	111.05	Ordinary	4,665	4,665
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	111.05	Ordinary	2,488	2,488
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	111.05	Ordinary	1,555	1,555
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	111.05	Ordinary	2,436	2,436
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	111.05	Ordinary	1,827	1,827
15-Jun-2022	Vanguard Investments Australia Ltd.	BUY	110.96	Ordinary	426	426
16-Jun-2022	Vanguard Investments Australia Ltd.	BUY	111.70	Ordinary	613	613
16-Jun-2022	Vanguard Investments Australia Ltd.	BUY	111.70	Ordinary	3,065	3,065
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	107.01	Ordinary	22,356	22,356
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	107.01	Ordinary	4,056	4,056
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	107.01	Ordinary	1,839	1,839
17-Jun-2022	Vanguard Investments Australia Ltd.	SELL	107.02	Ordinary	(208,025)	(208,025)
17-Jun-2022	Vanguard Investments Australia Ltd.	SELL	107.43	Ordinary	(71)	(71)
22-Jun-2022	Vanguard Investments Australia Ltd.	BUY	104.50	Ordinary	1,590	1,590
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	102.63	Ordinary	3,120	3,120
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	102.63	Ordinary	1,560	1,560
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	102.63	Ordinary	2,184	2,184
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	102.63	Ordinary	2,120	2,120
24-Jun-2022	Vanguard Investments Australia Ltd.	BUY	101.40	Ordinary	2,120	2,120
27-Jun-2022	Vanguard Investments Australia Ltd.	BUY	103.81	Ordinary	2,184	2,184
27-Jun-2022	Vanguard Investments Australia Ltd.	BUY	103.81	Ordinary	852	852
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	106.92	Ordinary	3,120	3,120
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	106.92	Ordinary	1,560	1,560
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	106.92	Ordinary	1,560	1,560
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	106.92	Ordinary	2,496	2,496
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	106.92	Ordinary	2,650	2,650
29-Jun-2022	Vanguard Investments Australia Ltd.	SELL	106.23	Ordinary	(939)	(939)
30-Jun-2022	Vanguard Investments Australia Ltd.	SELL	102.70	Ordinary	(22,554)	(22,554)
30-Jun-2022	Vanguard Investments Australia Ltd.	SELL	102.70	Ordinary	(1,123)	(1,123)
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	100.34	Ordinary	2,135	2,135
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	100.34	Ordinary	2,440	2,440
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	100.34	Ordinary	3,050	3,050
4-Jul-2022	Vanguard Investments Australia Ltd.	BUY	100.74	Ordinary	3,050	3,050
4-Jul-2022	Vanguard Investments Australia Ltd.	BUY	100.74	Ordinary	2,600	2,600
6-Jul-2022	Vanguard Investments Australia Ltd.	BUY	93.37	Ordinary	2,600	2,600
7-Jul-2022	Vanguard Investments Australia Ltd.	BUY	97.18	Ordinary	4,680	4,680
8-Jul-2022	Vanguard Investments Australia Ltd.	BUY	97.43	Ordinary	2,080	2,080
11-Jul-2022	Vanguard Investments Australia Ltd.	BUY	95.36	Ordinary	3,050	3,050
13-Jul-2022	Vanguard Investments Australia Ltd.	SELL	94.10	Ordinary	(15,909)	(15,909)
13-Jul-2022	Vanguard Investments Australia Ltd.	BUY	94.10	Ordinary	2,600	2,600
15-Jul-2022	Vanguard Investments Australia Ltd.	SELL	93.27	Ordinary	(3,952)	(3,952)
15-Jul-2022	Vanguard Investments Australia Ltd.	BUY	93.27	Ordinary	2,128	2,128
15-Jul-2022	Vanguard Investments Australia Ltd.	BUY	93.27	Ordinary	412	412
18-Jul-2022	Vanguard Investments Australia Ltd.	BUY	95.27	Ordinary	2,600	2,600
20-Jul-2022	Vanguard Investments Australia Ltd.	BUY	97.80	Ordinary	2,432	2,432
20-Jul-2022	Vanguard Investments Australia Ltd.	BUY	97.80	Ordinary	6,080	6,080
21-Jul-2022	Vanguard Investments Australia Ltd.	BUY	95.83	Ordinary	9,100	9,100
22-Jul-2022	Vanguard Investments Australia Ltd.	BUY	96.26	Ordinary	4,575	4,575
22-Jul-2022	Vanguard Investments Australia Ltd.	BUY	96.26	Ordinary	2,072	2,072
26-Jul-2022	Vanguard Investments Australia Ltd.	BUY	98.96	Ordinary	2,072	2,072
27-Jul-2022	Vanguard Investments Australia Ltd.	BUY	96.98	Ordinary	1,233	1,233
28-Jul-2022	Vanguard Investments Australia Ltd.	BUY	97.70	Ordinary	4,560	4,560
1-Aug-2022	Vanguard Investments Australia Ltd.	BUY	98.92	Ordinary	1,036	1,036
1-Aug-2022	Vanguard Investments Australia Ltd.	BUY	98.92	Ordinary	2,072	2,072
1-Aug-2022	Vanguard Investments Australia Ltd.	SELL	98.92	Ordinary	(411)	(411)
2-Aug-2022	Vanguard Investments Australia Ltd.	BUY	97.30	Ordinary	1,520	1,520
3-Aug-2022	Vanguard Investments Australia Ltd.	BUY	96.80	Ordinary	1,554	1,554
3-Aug-2022	Vanguard Investments Australia Ltd.	BUY	96.80	Ordinary	2,590	2,590
4-Aug-2022	Vanguard Investments Australia Ltd.	BUY	95.30	Ordinary	4,545	4,545
5-Aug-2022	Vanguard Investments Australia Ltd.	BUY	97.74	Ordinary	2,072	2,072
8-Aug-2022	Vanguard Investments Australia Ltd.	BUY	99.57	Ordinary	1,520	1,520
9-Aug-2022	Vanguard Investments Australia Ltd.	BUY	99.39	Ordinary	518	518
11-Aug-2022	Vanguard Investments Australia Ltd.	BUY	95.28	Ordinary	412	412

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-Aug-2022	Vanguard Investments Australia Ltd.	BUY	95.41	Ordinary	2,595	2,595
16-Aug-2022	Vanguard Investments Australia Ltd.	BUY	95.93	Ordinary	1,525	1,525
16-Aug-2022	Vanguard Investments Australia Ltd.	BUY	95.93	Ordinary	2,076	2,076
18-Aug-2022	Vanguard Investments Australia Ltd.	BUY	97.10	Ordinary	1,830	1,830
18-Aug-2022	Vanguard Investments Australia Ltd.	BUY	97.10	Ordinary	1,040	1,040
19-Aug-2022	Vanguard Investments Australia Ltd.	BUY	98.53	Ordinary	4,575	4,575
24-Aug-2022	Vanguard Investments Australia Ltd.	BUY	97.10	Ordinary	4,575	4,575
24-Aug-2022	Vanguard Investments Australia Ltd.	BUY	97.10	Ordinary	1,563	1,563
25-Aug-2022	Vanguard Investments Australia Ltd.	BUY	97.26	Ordinary	2,084	2,084
29-Aug-2022	Vanguard Investments Australia Ltd.	BUY	96.29	Ordinary	826	826
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	94.50	Ordinary	6,100	6,100
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	94.50	Ordinary	2,088	2,088
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	94.50	Ordinary	1,566	1,566
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	94.50	Ordinary	139	139
1-Sep-2022	Vanguard Investments Australia Ltd.	BUY	92.52	Ordinary	1,535	1,535
1-Sep-2022	Vanguard Investments Australia Ltd.	BUY	92.52	Ordinary	503	503
2-Sep-2022	Vanguard Investments Australia Ltd.	BUY	90.19	Ordinary	1,578	1,578
2-Sep-2022	Vanguard Investments Australia Ltd.	SELL	90.19	Ordinary	(418)	(418)
5-Sep-2022	Vanguard Investments Australia Ltd.	BUY	91.77	Ordinary	7,650	7,650
5-Sep-2022	Vanguard Investments Australia Ltd.	BUY	91.77	Ordinary	1,923	1,923
5-Sep-2022	Vanguard Investments Australia Ltd.	BUY	91.77	Ordinary	176	176
6-Sep-2022	Vanguard Investments Australia Ltd.	BUY	90.80	Ordinary	1,905	1,905
7-Sep-2022	Vanguard Investments Australia Ltd.	BUY	89.41	Ordinary	3,168	3,168
8-Sep-2022	Vanguard Investments Australia Ltd.	BUY	91.86	Ordinary	2,149	2,149
8-Sep-2022	Vanguard Investments Australia Ltd.	BUY	91.86	Ordinary	22,913	22,913
8-Sep-2022	Vanguard Investments Australia Ltd.	BUY	91.86	Ordinary	4,724	4,724
8-Sep-2022	Vanguard Investments Australia Ltd.	BUY	91.86	Ordinary	1,590	1,590
9-Sep-2022	Vanguard Investments Australia Ltd.	BUY	94.36	Ordinary	7,675	7,675
12-Sep-2022	Vanguard Investments Australia Ltd.	BUY	96.04	Ordinary	1,535	1,535
12-Sep-2022	Vanguard Investments Australia Ltd.	BUY	96.04	Ordinary	421	421
13-Sep-2022	Vanguard Investments Australia Ltd.	BUY	96.75	Ordinary	2,120	2,120
13-Sep-2022	Vanguard Investments Australia Ltd.	BUY	96.75	Ordinary	1,060	1,060
14-Sep-2022	Vanguard Investments Australia Ltd.	BUY	94.83	Ordinary	1,590	1,590
15-Sep-2022	Vanguard Investments Australia Ltd.	BUY	94.64	Ordinary	1,584	1,584
16-Sep-2022	Vanguard Investments Australia Ltd.	BUY	92.45	Ordinary	30,666	30,666
16-Sep-2022	Vanguard Investments Australia Ltd.	BUY	92.45	Ordinary	9,919	9,919
16-Sep-2022	Vanguard Investments Australia Ltd.	BUY	92.45	Ordinary	421	421
19-Sep-2022	Vanguard Investments Australia Ltd.	BUY	92.39	Ordinary	1,525	1,525
20-Sep-2022	Vanguard Investments Australia Ltd.	BUY	94.72	Ordinary	1,530	1,530
20-Sep-2022	Vanguard Investments Australia Ltd.	BUY	94.72	Ordinary	1,584	1,584
23-Sep-2022	Vanguard Investments Australia Ltd.	BUY	93.00	Ordinary	2,448	2,448
23-Sep-2022	Vanguard Investments Australia Ltd.	BUY	93.00	Ordinary	6,120	6,120
26-Sep-2022	Vanguard Investments Australia Ltd.	BUY	87.78	Ordinary	3,168	3,168
27-Sep-2022	Vanguard Investments Australia Ltd.	BUY	90.39	Ordinary	2,754	2,754
27-Sep-2022	Vanguard Investments Australia Ltd.	BUY	90.39	Ordinary	1,584	1,584
28-Sep-2022	Vanguard Investments Australia Ltd.	BUY	90.00	Ordinary	2,112	2,112
28-Sep-2022	Vanguard Investments Australia Ltd.	BUY	90.00	Ordinary	840	840
29-Sep-2022	Vanguard Investments Australia Ltd.	BUY	90.91	Ordinary	2,754	2,754
29-Sep-2022	Vanguard Investments Australia Ltd.	BUY	90.91	Ordinary	2,112	2,112
30-Sep-2022	Vanguard Investments Australia Ltd.	SELL	93.39	Ordinary	(8,568)	(8,568)
30-Sep-2022	Vanguard Investments Australia Ltd.	SELL	93.39	Ordinary	(8,194)	(8,194)
30-Sep-2022	Vanguard Investments Australia Ltd.	SELL	93.39	Ordinary	(721)	(721)
3-Oct-2022	Vanguard Investments Australia Ltd.	BUY	93.10	Ordinary	6,020	6,020
3-Oct-2022	Vanguard Investments Australia Ltd.	BUY	93.10	Ordinary	2,709	2,709
4-Oct-2022	Vanguard Investments Australia Ltd.	BUY	95.97	Ordinary	1,551	1,551
5-Oct-2022	Vanguard Investments Australia Ltd.	BUY	97.85	Ordinary	1,806	1,806
7-Oct-2022	Vanguard Investments Australia Ltd.	BUY	96.67	Ordinary	1,034	1,034
11-Oct-2022	Vanguard Investments Australia Ltd.	BUY	96.90	Ordinary	2,107	2,107
11-Oct-2022	Vanguard Investments Australia Ltd.	BUY	96.90	Ordinary	2,068	2,068
11-Oct-2022	Vanguard Investments Australia Ltd.	BUY	96.90	Ordinary	411	411
13-Oct-2022	Vanguard Investments Australia Ltd.	BUY	95.64	Ordinary	2,068	2,068
14-Oct-2022	Vanguard Investments Australia Ltd.	SELL	96.61	Ordinary	(4,832)	(4,832)
17-Oct-2022	Vanguard Investments Australia Ltd.	BUY	94.14	Ordinary	1,505	1,505
18-Oct-2022	Vanguard Investments Australia Ltd.	BUY	94.27	Ordinary	6,020	6,020
18-Oct-2022	Vanguard Investments Australia Ltd.	BUY	94.27	Ordinary	1,034	1,034
19-Oct-2022	Vanguard Investments Australia Ltd.	BUY	94.01	Ordinary	1,034	1,034
25-Oct-2022	Vanguard Investments Australia Ltd.	BUY	91.32	Ordinary	6,644	6,644
25-Oct-2022	Vanguard Investments Australia Ltd.	BUY	91.32	Ordinary	411	411
26-Oct-2022	Vanguard Investments Australia Ltd.	BUY	91.86	Ordinary	1,812	1,812
26-Oct-2022	Vanguard Investments Australia Ltd.	BUY	91.86	Ordinary	2,585	2,585
31-Oct-2022	Vanguard Investments Australia Ltd.	BUY	88.20	Ordinary	4,530	4,530

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-Nov-2022	Vanguard Investments Australia Ltd.	BUY	92.63	Ordinary	2,107	2,107
3-Nov-2022	Vanguard Investments Australia Ltd.	BUY	90.56	Ordinary	1,034	1,034
3-Nov-2022	Vanguard Investments Australia Ltd.	BUY	90.56	Ordinary	1,034	1,034
9-Nov-2022	Vanguard Investments Australia Ltd.	BUY	98.63	Ordinary	1,554	1,554
11-Nov-2022	Vanguard Investments Australia Ltd.	BUY	102.63	Ordinary	1,036	1,036
14-Nov-2022	Vanguard Investments Australia Ltd.	BUY	106.00	Ordinary	6,040	6,040
15-Nov-2022	Vanguard Investments Australia Ltd.	BUY	106.42	Ordinary	1,038	1,038
16-Nov-2022	Vanguard Investments Australia Ltd.	BUY	108.07	Ordinary	1,038	1,038
17-Nov-2022	Vanguard Investments Australia Ltd.	BUY	106.15	Ordinary	1,040	1,040
17-Nov-2022	Vanguard Investments Australia Ltd.	BUY	106.15	Ordinary	3,170	3,170
21-Nov-2022	Vanguard Investments Australia Ltd.	SELL	103.93	Ordinary	(9,090)	(9,090)
21-Nov-2022	Vanguard Investments Australia Ltd.	BUY	103.93	Ordinary	1,040	1,040
21-Nov-2022	Vanguard Investments Australia Ltd.	BUY	103.93	Ordinary	1,040	1,040
22-Nov-2022	Vanguard Investments Australia Ltd.	BUY	105.00	Ordinary	1,040	1,040
24-Nov-2022	Vanguard Investments Australia Ltd.	BUY	106.47	Ordinary	4,545	4,545
28-Nov-2022	Vanguard Investments Australia Ltd.	BUY	104.15	Ordinary	1,560	1,560
28-Nov-2022	Vanguard Investments Australia Ltd.	BUY	104.15	Ordinary	414	414
29-Nov-2022	Vanguard Investments Australia Ltd.	BUY	107.83	Ordinary	4,560	4,560
30-Nov-2022	Vanguard Investments Australia Ltd.	BUY	109.62	Ordinary	399	399
2-Dec-2022	Vanguard Investments Australia Ltd.	BUY	111.94	Ordinary	1,040	1,040
5-Dec-2022	Vanguard Investments Australia Ltd.	BUY	116.13	Ordinary	7,625	7,625
7-Dec-2022	Vanguard Investments Australia Ltd.	BUY	115.50	Ordinary	1,560	1,560
7-Dec-2022	Vanguard Investments Australia Ltd.	BUY	115.50	Ordinary	1,040	1,040
8-Dec-2022	Vanguard Investments Australia Ltd.	BUY	114.50	Ordinary	2,080	2,080
12-Dec-2022	Vanguard Investments Australia Ltd.	BUY	116.35	Ordinary	3,050	3,050
13-Dec-2022	Vanguard Investments Australia Ltd.	BUY	114.10	Ordinary	4,575	4,575
13-Dec-2022	Vanguard Investments Australia Ltd.	BUY	114.10	Ordinary	3,050	3,050
14-Dec-2022	Vanguard Investments Australia Ltd.	SELL	114.67	Ordinary	(8,845)	(8,845)
14-Dec-2022	Vanguard Investments Australia Ltd.	BUY	114.67	Ordinary	1,040	1,040
16-Dec-2022	Vanguard Investments Australia Ltd.	SELL	114.55	Ordinary	(5,331)	(5,331)
16-Dec-2022	Vanguard Investments Australia Ltd.	BUY	114.55	Ordinary	1,560	1,560
16-Dec-2022	Vanguard Investments Australia Ltd.	SELL	114.55	Ordinary	(23,130)	(23,130)
16-Dec-2022	Vanguard Investments Australia Ltd.	SELL	114.73	Ordinary	(14,170)	(14,170)
20-Dec-2022	Vanguard Investments Australia Ltd.	BUY	113.22	Ordinary	3,050	3,050
20-Dec-2022	Vanguard Investments Australia Ltd.	BUY	113.22	Ordinary	1,004	1,004
20-Dec-2022	Vanguard Investments Australia Ltd.	BUY	113.22	Ordinary	417	417
21-Dec-2022	Vanguard Investments Australia Ltd.	SELL	115.11	Ordinary	(502)	(502)
22-Dec-2022	Vanguard Investments Australia Ltd.	SELL	114.81	Ordinary	(5,490)	(5,490)
22-Dec-2022	Vanguard Investments Australia Ltd.	BUY	114.81	Ordinary	1,004	1,004
23-Dec-2022	Vanguard Investments Australia Ltd.	SELL	115.43	Ordinary	(3,660)	(3,660)
23-Dec-2022	Vanguard Investments Australia Ltd.	BUY	115.43	Ordinary	1,004	1,004
23-Dec-2022	Vanguard Investments Australia Ltd.	BUY	115.43	Ordinary	1,004	1,004
28-Dec-2022	Vanguard Investments Australia Ltd.	SELL	117.80	Ordinary	(10,675)	(10,675)
28-Dec-2022	Vanguard Investments Australia Ltd.	BUY	117.80	Ordinary	502	502
29-Dec-2022	Vanguard Investments Australia Ltd.	BUY	117.08	Ordinary	1,006	1,006
30-Dec-2022	Vanguard Investments Australia Ltd.	SELL	116.41	Ordinary	(11,883)	(11,883)
30-Dec-2022	Vanguard Investments Australia Ltd.	SELL	116.41	Ordinary	(5,389)	(5,389)
30-Dec-2022	Vanguard Investments Australia Ltd.	SELL	116.41	Ordinary	(224)	(224)
3-Jan-2023	Vanguard Investments Australia Ltd.	BUY	115.43	Ordinary	7,550	7,550
3-Jan-2023	Vanguard Investments Australia Ltd.	BUY	115.43	Ordinary	994	994
3-Jan-2023	Vanguard Investments Australia Ltd.	BUY	115.43	Ordinary	1,491	1,491
5-Jan-2023	Vanguard Investments Australia Ltd.	BUY	116.80	Ordinary	1,491	1,491
13-Jan-2023	Vanguard Investments Australia Ltd.	SELL	122.29	Ordinary	(4,545)	(4,545)
17-Jan-2023	Vanguard Investments Australia Ltd.	BUY	120.67	Ordinary	994	994
18-Jan-2023	Vanguard Investments Australia Ltd.	BUY	121.99	Ordinary	994	994
25-Jan-2023	Vanguard Investments Australia Ltd.	BUY	126.50	Ordinary	413	413
30-Jan-2023	Vanguard Investments Australia Ltd.	BUY	125.52	Ordinary	994	994
31-Jan-2023	Vanguard Investments Australia Ltd.	SELL	126.64	Ordinary	(1,783)	(1,783)
1-Feb-2023	Vanguard Investments Australia Ltd.	SELL	128.43	Ordinary	(6,342)	(6,342)
2-Feb-2023	Vanguard Investments Australia Ltd.	BUY	125.43	Ordinary	1,491	1,491
2-Feb-2023	Vanguard Investments Australia Ltd.	BUY	125.43	Ordinary	413	413
3-Feb-2023	Vanguard Investments Australia Ltd.	SELL	122.94	Ordinary	(4,832)	(4,832)
3-Feb-2023	Vanguard Investments Australia Ltd.	BUY	122.94	Ordinary	6,040	6,040
3-Feb-2023	Vanguard Investments Australia Ltd.	BUY	122.94	Ordinary	1,491	1,491
7-Feb-2023	Vanguard Investments Australia Ltd.	BUY	122.90	Ordinary	994	994
9-Feb-2023	Vanguard Investments Australia Ltd.	BUY	123.85	Ordinary	994	994
10-Feb-2023	Vanguard Investments Australia Ltd.	BUY	122.55	Ordinary	994	994
13-Feb-2023	Vanguard Investments Australia Ltd.	SELL	122.32	Ordinary	(6,120)	(6,120)
13-Feb-2023	Vanguard Investments Australia Ltd.	BUY	122.32	Ordinary	4,545	4,545
13-Feb-2023	Vanguard Investments Australia Ltd.	BUY	122.32	Ordinary	2,485	2,485
15-Feb-2023	Vanguard Investments Australia Ltd.	BUY	123.33	Ordinary	1,491	1,491

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-Feb-2023	Vanguard Investments Australia Ltd.	BUY	123.68	Ordinary	2,485	2,485
16-Feb-2023	Vanguard Investments Australia Ltd.	BUY	123.68	Ordinary	1,491	1,491
17-Feb-2023	Vanguard Investments Australia Ltd.	BUY	124.26	Ordinary	4,848	4,848
20-Feb-2023	Vanguard Investments Australia Ltd.	BUY	125.15	Ordinary	1,494	1,494
20-Feb-2023	Vanguard Investments Australia Ltd.	BUY	125.15	Ordinary	413	413
21-Feb-2023	Vanguard Investments Australia Ltd.	BUY	126.13	Ordinary	4,545	4,545
21-Feb-2023	Vanguard Investments Australia Ltd.	SELL	126.13	Ordinary	(18,180)	(18,180)
22-Feb-2023	Vanguard Investments Australia Ltd.	BUY	125.51	Ordinary	3,040	3,040
22-Feb-2023	Vanguard Investments Australia Ltd.	BUY	125.51	Ordinary	1,497	1,497
23-Feb-2023	Vanguard Investments Australia Ltd.	BUY	123.40	Ordinary	1,996	1,996
23-Feb-2023	Vanguard Investments Australia Ltd.	SELL	123.40	Ordinary	(415)	(415)
24-Feb-2023	Vanguard Investments Australia Ltd.	BUY	118.92	Ordinary	415	415
24-Feb-2023	Vanguard Investments Australia Ltd.	BUY	118.92	Ordinary	415	415
27-Feb-2023	Vanguard Investments Australia Ltd.	BUY	115.46	Ordinary	1,500	1,500
28-Feb-2023	Vanguard Investments Australia Ltd.	BUY	116.73	Ordinary	1,500	1,500
28-Feb-2023	Vanguard Investments Australia Ltd.	BUY	116.73	Ordinary	214	214
1-Mar-2023	Vanguard Investments Australia Ltd.	BUY	119.63	Ordinary	4,560	4,560
1-Mar-2023	Vanguard Investments Australia Ltd.	SELL	119.63	Ordinary	(5,472)	(5,472)
2-Mar-2023	Vanguard Investments Australia Ltd.	BUY	124.44	Ordinary	1,503	1,503
2-Mar-2023	Vanguard Investments Australia Ltd.	BUY	124.44	Ordinary	1,503	1,503
3-Mar-2023	Vanguard Investments Australia Ltd.	BUY	126.43	Ordinary	3,978	3,978
6-Mar-2023	Vanguard Investments Australia Ltd.	BUY	125.37	Ordinary	1,002	1,002
7-Mar-2023	Vanguard Investments Australia Ltd.	BUY	125.00	Ordinary	1,506	1,506
7-Mar-2023	Vanguard Investments Australia Ltd.	BUY	125.00	Ordinary	1,004	1,004
8-Mar-2023	Vanguard Investments Australia Ltd.	BUY	124.88	Ordinary	151	151
9-Mar-2023	Vanguard Investments Australia Ltd.	BUY	121.19	Ordinary	5,005	5,005
9-Mar-2023	Vanguard Investments Australia Ltd.	BUY	121.23	Ordinary	630	630
10-Mar-2023	Vanguard Investments Australia Ltd.	BUY	117.28	Ordinary	4,620	4,620
10-Mar-2023	Vanguard Investments Australia Ltd.	BUY	117.28	Ordinary	3,036	3,036
13-Mar-2023	Vanguard Investments Australia Ltd.	SELL	118.46	Ordinary	(3,388)	(3,388)
13-Mar-2023	Vanguard Investments Australia Ltd.	BUY	118.46	Ordinary	1,012	1,012
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	117.52	Ordinary	6,160	6,160
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	117.52	Ordinary	3,036	3,036
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	117.52	Ordinary	2,024	2,024
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	117.52	Ordinary	421	421
15-Mar-2023	Vanguard Investments Australia Ltd.	BUY	119.55	Ordinary	1,518	1,518
15-Mar-2023	Vanguard Investments Australia Ltd.	BUY	119.55	Ordinary	421	421
16-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.73	Ordinary	6,160	6,160
16-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.73	Ordinary	2,024	2,024
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.80	Ordinary	33,258	33,258
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.80	Ordinary	128	128
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.80	Ordinary	1,518	1,518
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.80	Ordinary	19,161	19,161
20-Mar-2023	Vanguard Investments Australia Ltd.	SELL	113.99	Ordinary	(8,008)	(8,008)
21-Mar-2023	Vanguard Investments Australia Ltd.	BUY	115.10	Ordinary	4,620	4,620
21-Mar-2023	Vanguard Investments Australia Ltd.	BUY	115.10	Ordinary	2,028	2,028
23-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.18	Ordinary	1,521	1,521
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.43	Ordinary	3,696	3,696
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.43	Ordinary	1,014	1,014
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.43	Ordinary	1,521	1,521
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.43	Ordinary	1,014	1,014
27-Mar-2023	Vanguard Investments Australia Ltd.	BUY	113.75	Ordinary	1,521	1,521
28-Mar-2023	Vanguard Investments Australia Ltd.	BUY	114.44	Ordinary	1,014	1,014
29-Mar-2023	Vanguard Investments Australia Ltd.	BUY	115.18	Ordinary	507	507
30-Mar-2023	Vanguard Investments Australia Ltd.	BUY	117.25	Ordinary	1,014	1,014
31-Mar-2023	Vanguard Investments Australia Ltd.	SELL	120.14	Ordinary	(253)	(253)
3-Apr-2023	Vanguard Investments Australia Ltd.	BUY	118.80	Ordinary	418	418
4-Apr-2023	Vanguard Investments Australia Ltd.	BUY	117.74	Ordinary	4,590	4,590
4-Apr-2023	Vanguard Investments Australia Ltd.	BUY	117.74	Ordinary	3,018	3,018
5-Apr-2023	Vanguard Investments Australia Ltd.	BUY	116.63	Ordinary	22,760	22,760
5-Apr-2023	Vanguard Investments Australia Ltd.	BUY	116.63	Ordinary	2,012	2,012
13-Apr-2023	Vanguard Investments Australia Ltd.	BUY	120.86	Ordinary	503	503
14-Apr-2023	Vanguard Investments Australia Ltd.	BUY	120.94	Ordinary	1,006	1,006
17-Apr-2023	Vanguard Investments Australia Ltd.	BUY	121.25	Ordinary	418	418
18-Apr-2023	Vanguard Investments Australia Ltd.	BUY	121.84	Ordinary	16,350	16,350
26-Apr-2023	Vanguard Investments Australia Ltd.	BUY	111.94	Ordinary	3,018	3,018
28-Apr-2023	Vanguard Investments Australia Ltd.	BUY	112.25	Ordinary	1,509	1,509
2-May-2023	Vanguard Investments Australia Ltd.	BUY	111.14	Ordinary	3,070	3,070
2-May-2023	Vanguard Investments Australia Ltd.	BUY	111.14	Ordinary	418	418
3-May-2023	Vanguard Investments Australia Ltd.	BUY	108.77	Ordinary	2,763	2,763
3-May-2023	Vanguard Investments Australia Ltd.	BUY	108.77	Ordinary	14,896	14,896

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
4-May-2023	Vanguard Investments Australia Ltd.	BUY	110.14	Ordinary	1,006	1,006
4-May-2023	Vanguard Investments Australia Ltd.	BUY	110.14	Ordinary	2,012	2,012
10-May-2023	Vanguard Investments Australia Ltd.	BUY	110.92	Ordinary	2,016	2,016
10-May-2023	Vanguard Investments Australia Ltd.	BUY	110.92	Ordinary	419	419
11-May-2023	Vanguard Investments Australia Ltd.	BUY	109.01	Ordinary	2,464	2,464
12-May-2023	Vanguard Investments Australia Ltd.	BUY	107.96	Ordinary	2,464	2,464
15-May-2023	Vanguard Investments Australia Ltd.	BUY	108.96	Ordinary	2,535	2,535
15-May-2023	Vanguard Investments Australia Ltd.	BUY	108.96	Ordinary	1,014	1,014
15-May-2023	Vanguard Investments Australia Ltd.	BUY	109.11	Ordinary	2,868	2,868
19-May-2023	Vanguard Investments Australia Ltd.	BUY	109.42	Ordinary	2,028	2,028
25-May-2023	Vanguard Investments Australia Ltd.	BUY	105.40	Ordinary	1,521	1,521
31-May-2023	Vanguard Investments Australia Ltd.	BUY	107.00	Ordinary	1,521	1,521
31-May-2023	Vanguard Investments Australia Ltd.	SELL	107.00	Ordinary	(232)	(232)
1-Jun-2023	Vanguard Investments Australia Ltd.	SELL	107.42	Ordinary	(8,289)	(8,289)
1-Jun-2023	Vanguard Investments Australia Ltd.	BUY	107.42	Ordinary	3,070	3,070
1-Jun-2023	Vanguard Investments Australia Ltd.	BUY	107.42	Ordinary	1,521	1,521
1-Jun-2023	Vanguard Investments Australia Ltd.	BUY	107.42	Ordinary	3,042	3,042
6-Jun-2023	Vanguard Investments Australia Ltd.	SELL	111.33	Ordinary	(6,447)	(6,447)
7-Jun-2023	Vanguard Investments Australia Ltd.	BUY	111.63	Ordinary	2,149	2,149
7-Jun-2023	Vanguard Investments Australia Ltd.	BUY	111.63	Ordinary	1,521	1,521
9-Jun-2023	Vanguard Investments Australia Ltd.	BUY	114.58	Ordinary	2,456	2,456
15-Jun-2023	Vanguard Investments Australia Ltd.	BUY	117.75	Ordinary	2,763	2,763
15-Jun-2023	Vanguard Investments Australia Ltd.	BUY	117.75	Ordinary	417	417
16-Jun-2023	Vanguard Investments Australia Ltd.	SELL	118.00	Ordinary	(5,085)	(5,085)
16-Jun-2023	Vanguard Investments Australia Ltd.	SELL	118.00	Ordinary	(15,551)	(15,551)
16-Jun-2023	Vanguard Investments Australia Ltd.	SELL	118.00	Ordinary	(39,170)	(39,170)
22-Jun-2023	Vanguard Investments Australia Ltd.	BUY	114.39	Ordinary	974	974
22-Jun-2023	Vanguard Investments Australia Ltd.	BUY	114.39	Ordinary	1,461	1,461
23-Jun-2023	Vanguard Investments Australia Ltd.	BUY	113.13	Ordinary	1,461	1,461
26-Jun-2023	Vanguard Investments Australia Ltd.	BUY	112.74	Ordinary	2,464	2,464
26-Jun-2023	Vanguard Investments Australia Ltd.	BUY	112.74	Ordinary	974	974
27-Jun-2023	Vanguard Investments Australia Ltd.	BUY	114.64	Ordinary	2,772	2,772
27-Jun-2023	Vanguard Investments Australia Ltd.	BUY	114.64	Ordinary	1,948	1,948
29-Jun-2023	Vanguard Investments Australia Ltd.	BUY	114.46	Ordinary	1,952	1,952
29-Jun-2023	Vanguard Investments Australia Ltd.	BUY	114.46	Ordinary	417	417
30-Jun-2023	Vanguard Investments Australia Ltd.	SELL	114.69	Ordinary	(323)	(323)
3-Jul-2023	Vanguard Investments Australia Ltd.	BUY	115.49	Ordinary	4,896	4,896
4-Jul-2023	Vanguard Investments Australia Ltd.	SELL	114.15	Ordinary	(19,890)	(19,890)
5-Jul-2023	Vanguard Investments Australia Ltd.	SELL	114.15	Ordinary	(3,060)	(3,060)
5-Jul-2023	Vanguard Investments Australia Ltd.	SELL	114.15	Ordinary	(15,300)	(15,300)
5-Jul-2023	Vanguard Investments Australia Ltd.	BUY	114.15	Ordinary	964	964
6-Jul-2023	Vanguard Investments Australia Ltd.	BUY	112.58	Ordinary	15,213	15,213
6-Jul-2023	Vanguard Investments Australia Ltd.	BUY	112.58	Ordinary	482	482
7-Jul-2023	Vanguard Investments Australia Ltd.	BUY	111.75	Ordinary	3,060	3,060
7-Jul-2023	Vanguard Investments Australia Ltd.	BUY	111.75	Ordinary	1,446	1,446
10-Jul-2023	Vanguard Investments Australia Ltd.	BUY	110.48	Ordinary	5,202	5,202
10-Jul-2023	Vanguard Investments Australia Ltd.	BUY	110.48	Ordinary	2,892	2,892
12-Jul-2023	Vanguard Investments Australia Ltd.	BUY	113.75	Ordinary	1,928	1,928
12-Jul-2023	Vanguard Investments Australia Ltd.	BUY	113.75	Ordinary	410	410
13-Jul-2023	Vanguard Investments Australia Ltd.	BUY	117.20	Ordinary	410	410
13-Jul-2023	Vanguard Investments Australia Ltd.	BUY	117.20	Ordinary	410	410
14-Jul-2023	Vanguard Investments Australia Ltd.	SELL	119.02	Ordinary	(410)	(410)
17-Jul-2023	Vanguard Investments Australia Ltd.	BUY	117.85	Ordinary	11,974	11,974
19-Jul-2023	Vanguard Investments Australia Ltd.	BUY	116.01	Ordinary	3,060	3,060
19-Jul-2023	Vanguard Investments Australia Ltd.	SELL	116.01	Ordinary	(2,410)	(2,410)
20-Jul-2023	Vanguard Investments Australia Ltd.	BUY	116.43	Ordinary	1,530	1,530
21-Jul-2023	Vanguard Investments Australia Ltd.	BUY	116.78	Ordinary	3,374	3,374
24-Jul-2023	Vanguard Investments Australia Ltd.	BUY	115.25	Ordinary	2,448	2,448
26-Jul-2023	Vanguard Investments Australia Ltd.	SELL	120.81	Ordinary	(1,928)	(1,928)
28-Jul-2023	Vanguard Investments Australia Ltd.	BUY	116.62	Ordinary	964	964
31-Jul-2023	Vanguard Investments Australia Ltd.	BUY	117.07	Ordinary	964	964
3-Aug-2023	Vanguard Investments Australia Ltd.	BUY	113.88	Ordinary	2,448	2,448
4-Aug-2023	Vanguard Investments Australia Ltd.	BUY	114.83	Ordinary	1,446	1,446
8-Aug-2023	Vanguard Investments Australia Ltd.	BUY	113.46	Ordinary	1,446	1,446
9-Aug-2023	Vanguard Investments Australia Ltd.	BUY	112.85	Ordinary	3,060	3,060
9-Aug-2023	Vanguard Investments Australia Ltd.	BUY	112.85	Ordinary	964	964
10-Aug-2023	Vanguard Investments Australia Ltd.	BUY	109.65	Ordinary	3,070	3,070
11-Aug-2023	Vanguard Investments Australia Ltd.	BUY	109.00	Ordinary	964	964
14-Aug-2023	Vanguard Investments Australia Ltd.	BUY	106.52	Ordinary	1,446	1,446
16-Aug-2023	Vanguard Investments Australia Ltd.	BUY	103.65	Ordinary	3,070	3,070
16-Aug-2023	Vanguard Investments Australia Ltd.	BUY	103.65	Ordinary	14,933	14,933

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-Aug-2023	Vanguard Investments Australia Ltd.	BUY	103.65	Ordinary	2,456	2,456
16-Aug-2023	Vanguard Investments Australia Ltd.	BUY	103.65	Ordinary	2,420	2,420
16-Aug-2023	Vanguard Investments Australia Ltd.	BUY	103.65	Ordinary	1,452	1,452
16-Aug-2023	Vanguard Investments Australia Ltd.	BUY	104.40	Ordinary	3,526	3,526
16-Aug-2023	Vanguard Investments Australia Ltd.	BUY	103.65	Ordinary	189	189
17-Aug-2023	Vanguard Investments Australia Ltd.	BUY	104.77	Ordinary	3,070	3,070
17-Aug-2023	Vanguard Investments Australia Ltd.	BUY	104.77	Ordinary	968	968
18-Aug-2023	Vanguard Investments Australia Ltd.	BUY	105.69	Ordinary	3,070	3,070
18-Aug-2023	Vanguard Investments Australia Ltd.	BUY	105.69	Ordinary	968	968
21-Aug-2023	Vanguard Investments Australia Ltd.	BUY	104.82	Ordinary	968	968
22-Aug-2023	Vanguard Investments Australia Ltd.	BUY	105.32	Ordinary	26,095	26,095
22-Aug-2023	Vanguard Investments Australia Ltd.	BUY	105.32	Ordinary	1,936	1,936
23-Aug-2023	Vanguard Investments Australia Ltd.	BUY	107.84	Ordinary	8,596	8,596
23-Aug-2023	Vanguard Investments Australia Ltd.	BUY	107.84	Ordinary	13,508	13,508
23-Aug-2023	Vanguard Investments Australia Ltd.	BUY	107.84	Ordinary	3,070	3,070
23-Aug-2023	Vanguard Investments Australia Ltd.	BUY	107.84	Ordinary	1,228	1,228
23-Aug-2023	Vanguard Investments Australia Ltd.	BUY	107.84	Ordinary	3,388	3,388
23-Aug-2023	Vanguard Investments Australia Ltd.	SELL	107.84	Ordinary	(1,452)	(1,452)
25-Aug-2023	Vanguard Investments Australia Ltd.	BUY	107.90	Ordinary	3,070	3,070
25-Aug-2023	Vanguard Investments Australia Ltd.	BUY	107.90	Ordinary	1,452	1,452
30-Aug-2023	Vanguard Investments Australia Ltd.	BUY	112.23	Ordinary	8,289	8,289
30-Aug-2023	Vanguard Investments Australia Ltd.	BUY	112.23	Ordinary	3,070	3,070
31-Aug-2023	Vanguard Investments Australia Ltd.	BUY	112.40	Ordinary	3,967	3,967
4-Sep-2023	Vanguard Investments Australia Ltd.	BUY	117.12	Ordinary	974	974
6-Sep-2023	Vanguard Investments Australia Ltd.	BUY	115.98	Ordinary	4,312	4,312
6-Sep-2023	Vanguard Investments Australia Ltd.	BUY	115.98	Ordinary	974	974
7-Sep-2023	Vanguard Investments Australia Ltd.	BUY	113.10	Ordinary	976	976
7-Sep-2023	Vanguard Investments Australia Ltd.	BUY	113.10	Ordinary	549	549
8-Sep-2023	Vanguard Investments Australia Ltd.	BUY	111.17	Ordinary	976	976
8-Sep-2023	Vanguard Investments Australia Ltd.	BUY	111.17	Ordinary	416	416
11-Sep-2023	Vanguard Investments Australia Ltd.	BUY	112.40	Ordinary	1,236	1,236
11-Sep-2023	Vanguard Investments Australia Ltd.	BUY	112.40	Ordinary	978	978
12-Sep-2023	Vanguard Investments Australia Ltd.	BUY	114.11	Ordinary	3,090	3,090
12-Sep-2023	Vanguard Investments Australia Ltd.	BUY	114.11	Ordinary	1,467	1,467
14-Sep-2023	Vanguard Investments Australia Ltd.	BUY	115.45	Ordinary	4,017	4,017
15-Sep-2023	Vanguard Investments Australia Ltd.	BUY	118.91	Ordinary	11,462	11,462
15-Sep-2023	Vanguard Investments Australia Ltd.	BUY	118.91	Ordinary	6,109	6,109
19-Sep-2023	Vanguard Investments Australia Ltd.	BUY	118.54	Ordinary	3,090	3,090
20-Sep-2023	Vanguard Investments Australia Ltd.	BUY	117.03	Ordinary	1,467	1,467
21-Sep-2023	Vanguard Investments Australia Ltd.	BUY	115.90	Ordinary	3,708	3,708
21-Sep-2023	Vanguard Investments Australia Ltd.	BUY	115.90	Ordinary	1,956	1,956
22-Sep-2023	Vanguard Investments Australia Ltd.	BUY	114.57	Ordinary	6,180	6,180
22-Sep-2023	Vanguard Investments Australia Ltd.	BUY	114.57	Ordinary	2,934	2,934
25-Sep-2023	Vanguard Investments Australia Ltd.	SELL	113.18	Ordinary	(5,253)	(5,253)
25-Sep-2023	Vanguard Investments Australia Ltd.	BUY	113.18	Ordinary	1,470	1,470
26-Sep-2023	Vanguard Investments Australia Ltd.	BUY	110.90	Ordinary	3,080	3,080
26-Sep-2023	Vanguard Investments Australia Ltd.	BUY	110.90	Ordinary	1,470	1,470
27-Sep-2023	Vanguard Investments Australia Ltd.	BUY	111.05	Ordinary	2,472	2,472
27-Sep-2023	Vanguard Investments Australia Ltd.	BUY	111.05	Ordinary	1,956	1,956
28-Sep-2023	Vanguard Investments Australia Ltd.	BUY	112.40	Ordinary	1,236	1,236
28-Sep-2023	Vanguard Investments Australia Ltd.	BUY	112.40	Ordinary	1,467	1,467
29-Sep-2023	Vanguard Investments Australia Ltd.	BUY	113.55	Ordinary	3,708	3,708
29-Sep-2023	Vanguard Investments Australia Ltd.	SELL	113.55	Ordinary	(8,209)	(8,209)
29-Sep-2023	Vanguard Investments Australia Ltd.	BUY	113.55	Ordinary	834	834
29-Sep-2023	Vanguard Investments Australia Ltd.	SELL	113.55	Ordinary	(698)	(698)
2-Oct-2023	Vanguard Investments Australia Ltd.	BUY	114.84	Ordinary	3,952	3,952
2-Oct-2023	Vanguard Investments Australia Ltd.	BUY	114.84	Ordinary	1,440	1,440
3-Oct-2023	Vanguard Investments Australia Ltd.	BUY	112.80	Ordinary	9,120	9,120
3-Oct-2023	Vanguard Investments Australia Ltd.	BUY	112.80	Ordinary	3,360	3,360
4-Oct-2023	Vanguard Investments Australia Ltd.	BUY	113.62	Ordinary	4,575	4,575
4-Oct-2023	Vanguard Investments Australia Ltd.	BUY	113.62	Ordinary	2,880	2,880
5-Oct-2023	Vanguard Investments Australia Ltd.	BUY	111.91	Ordinary	2,880	2,880
6-Oct-2023	Vanguard Investments Australia Ltd.	BUY	113.19	Ordinary	2,745	2,745
9-Oct-2023	Vanguard Investments Australia Ltd.	BUY	113.20	Ordinary	4,575	4,575
12-Oct-2023	Vanguard Investments Australia Ltd.	BUY	114.85	Ordinary	3,050	3,050
13-Oct-2023	Vanguard Investments Australia Ltd.	BUY	114.74	Ordinary	1,440	1,440
17-Oct-2023	Vanguard Investments Australia Ltd.	BUY	117.11	Ordinary	610	610
17-Oct-2023	Vanguard Investments Australia Ltd.	BUY	117.11	Ordinary	1,525	1,525
18-Oct-2023	Vanguard Investments Australia Ltd.	BUY	117.41	Ordinary	610	610
18-Oct-2023	Vanguard Investments Australia Ltd.	BUY	117.41	Ordinary	1,920	1,920
19-Oct-2023	Vanguard Investments Australia Ltd.	BUY	115.47	Ordinary	3,050	3,050



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
19-Oct-2023	Vanguard Investments Australia Ltd.	BUY	115.47	Ordinary	2,135	2,135
20-Oct-2023	Vanguard Investments Australia Ltd.	BUY	114.62	Ordinary	3,050	3,050
20-Oct-2023	Vanguard Investments Australia Ltd.	BUY	114.62	Ordinary	2,880	2,880
23-Oct-2023	Vanguard Investments Australia Ltd.	BUY	111.85	Ordinary	2,400	2,400
25-Oct-2023	Vanguard Investments Australia Ltd.	BUY	116.27	Ordinary	3,660	3,660
25-Oct-2023	Vanguard Investments Australia Ltd.	BUY	116.27	Ordinary	3,050	3,050
25-Oct-2023	Vanguard Investments Australia Ltd.	BUY	116.27	Ordinary	3,360	3,360
26-Oct-2023	Vanguard Investments Australia Ltd.	BUY	117.67	Ordinary	1,525	1,525
26-Oct-2023	Vanguard Investments Australia Ltd.	BUY	117.67	Ordinary	3,965	3,965
26-Oct-2023	Vanguard Investments Australia Ltd.	BUY	117.67	Ordinary	1,011	1,011
27-Oct-2023	Vanguard Investments Australia Ltd.	BUY	117.73	Ordinary	16,400	16,400
30-Oct-2023	Vanguard Investments Australia Ltd.	BUY	118.30	Ordinary	2,400	2,400
30-Oct-2023	Vanguard Investments Australia Ltd.	BUY	118.30	Ordinary	960	960
30-Oct-2023	Vanguard Investments Australia Ltd.	BUY	118.30	Ordinary	2,194	2,194
31-Oct-2023	Vanguard Investments Australia Ltd.	BUY	117.58	Ordinary	3,050	3,050
31-Oct-2023	Vanguard Investments Australia Ltd.	BUY	117.58	Ordinary	2,880	2,880
1-Nov-2023	Vanguard Investments Australia Ltd.	BUY	120.44	Ordinary	3,050	3,050
2-Nov-2023	Vanguard Investments Australia Ltd.	BUY	121.76	Ordinary	3,050	3,050
2-Nov-2023	Vanguard Investments Australia Ltd.	BUY	121.76	Ordinary	4,800	4,800
7-Nov-2023	Vanguard Investments Australia Ltd.	BUY	121.81	Ordinary	3,050	3,050
8-Nov-2023	Vanguard Investments Australia Ltd.	BUY	119.37	Ordinary	416	416
9-Nov-2023	Vanguard Investments Australia Ltd.	BUY	120.12	Ordinary	7,736	7,736
9-Nov-2023	Vanguard Investments Australia Ltd.	BUY	119.70	Ordinary	2,788	2,788
9-Nov-2023	Vanguard Investments Australia Ltd.	BUY	120.12	Ordinary	962	962
9-Nov-2023	Vanguard Investments Australia Ltd.	BUY	120.12	Ordinary	169	169
14-Nov-2023	Vanguard Investments Australia Ltd.	BUY	122.14	Ordinary	3,274	3,274
14-Nov-2023	Vanguard Investments Australia Ltd.	BUY	122.49	Ordinary	2,410	2,410
15-Nov-2023	Vanguard Investments Australia Ltd.	BUY	125.61	Ordinary	3,060	3,060
15-Nov-2023	Vanguard Investments Australia Ltd.	BUY	125.61	Ordinary	418	418
16-Nov-2023	Vanguard Investments Australia Ltd.	BUY	125.50	Ordinary	3,717	3,717
17-Nov-2023	Vanguard Investments Australia Ltd.	BUY	125.62	Ordinary	3,672	3,672
17-Nov-2023	Vanguard Investments Australia Ltd.	BUY	125.62	Ordinary	6,120	6,120
17-Nov-2023	Vanguard Investments Australia Ltd.	BUY	125.62	Ordinary	1,530	1,530
20-Nov-2023	Vanguard Investments Australia Ltd.	SELL	125.00	Ordinary	(1,224)	(1,224)
22-Nov-2023	Vanguard Investments Australia Ltd.	BUY	127.76	Ordinary	1,530	1,530
22-Nov-2023	Vanguard Investments Australia Ltd.	BUY	127.76	Ordinary	1,932	1,932
24-Nov-2023	Vanguard Investments Australia Ltd.	BUY	126.80	Ordinary	3,060	3,060
24-Nov-2023	Vanguard Investments Australia Ltd.	BUY	126.80	Ordinary	483	483
28-Nov-2023	Vanguard Investments Australia Ltd.	BUY	124.88	Ordinary	1,449	1,449
29-Nov-2023	Vanguard Investments Australia Ltd.	BUY	124.58	Ordinary	3,050	3,050
29-Nov-2023	Vanguard Investments Australia Ltd.	BUY	124.58	Ordinary	3,864	3,864
30-Nov-2023	Vanguard Investments Australia Ltd.	BUY	125.04	Ordinary	966	966
30-Nov-2023	Vanguard Investments Australia Ltd.	BUY	125.04	Ordinary	50	50
30-Nov-2023	Vanguard Investments Australia Ltd.	BUY	125.04	Ordinary	828	828
1-Dec-2023	Vanguard Investments Australia Ltd.	BUY	124.91	Ordinary	1,932	1,932
6-Dec-2023	Vanguard Investments Australia Ltd.	BUY	126.45	Ordinary	2,440	2,440
7-Dec-2023	Vanguard Investments Australia Ltd.	BUY	127.76	Ordinary	2,415	2,415
11-Dec-2023	Vanguard Investments Australia Ltd.	BUY	128.90	Ordinary	3,040	3,040
15-Dec-2023	Vanguard Investments Australia Ltd.	BUY	132.86	Ordinary	114,195	114,195
15-Dec-2023	Vanguard Investments Australia Ltd.	BUY	132.86	Ordinary	2,415	2,415
15-Dec-2023	Vanguard Investments Australia Ltd.	BUY	132.86	Ordinary	1,932	1,932
15-Dec-2023	Vanguard Investments Australia Ltd.	BUY	132.86	Ordinary	7,327	7,327
19-Dec-2023	Vanguard Investments Australia Ltd.	BUY	134.24	Ordinary	426	426
20-Dec-2023	Vanguard Investments Australia Ltd.	BUY	134.37	Ordinary	3,624	3,624
21-Dec-2023	Vanguard Investments Australia Ltd.	BUY	134.40	Ordinary	35,636	35,636
21-Dec-2023	Vanguard Investments Australia Ltd.	BUY	134.40	Ordinary	9,289	9,289
22-Dec-2023	Vanguard Investments Australia Ltd.	SELL	134.40	Ordinary	(3,926)	(3,926)
22-Dec-2023	Vanguard Investments Australia Ltd.	BUY	134.40	Ordinary	1,560	1,560
3-Jan-2024	Vanguard Investments Australia Ltd.	SELL	134.72	Ordinary	(2,064)	(2,064)
4-Jan-2024	Vanguard Investments Australia Ltd.	BUY	134.50	Ordinary	1,800	1,800
5-Jan-2024	Vanguard Investments Australia Ltd.	BUY	132.36	Ordinary	3,900	3,900
5-Jan-2024	Vanguard Investments Australia Ltd.	BUY	132.36	Ordinary	423	423
8-Jan-2024	Vanguard Investments Australia Ltd.	BUY	131.52	Ordinary	900	900
8-Jan-2024	Vanguard Investments Australia Ltd.	BUY	131.52	Ordinary	1,500	1,500
9-Jan-2024	Vanguard Investments Australia Ltd.	BUY	131.90	Ordinary	1,922	1,922
10-Jan-2024	Vanguard Investments Australia Ltd.	BUY	128.90	Ordinary	3,300	3,300
10-Jan-2024	Vanguard Investments Australia Ltd.	BUY	128.90	Ordinary	1,800	1,800
11-Jan-2024	Vanguard Investments Australia Ltd.	BUY	128.40	Ordinary	600	600
12-Jan-2024	Vanguard Investments Australia Ltd.	BUY	129.15	Ordinary	1,548	1,548
15-Jan-2024	Vanguard Investments Australia Ltd.	BUY	128.32	Ordinary	423	423
16-Jan-2024	Vanguard Investments Australia Ltd.	BUY	126.66	Ordinary	2,100	2,100

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-Jan-2024	Vanguard Investments Australia Ltd.	BUY	126.66	Ordinary	2,082	2,082
17-Jan-2024	Vanguard Investments Australia Ltd.	SELL	126.54	Ordinary	(1,800)	(1,800)
17-Jan-2024	Vanguard Investments Australia Ltd.	BUY	126.54	Ordinary	1,548	1,548
19-Jan-2024	Vanguard Investments Australia Ltd.	BUY	128.00	Ordinary	1,853	1,853
22-Jan-2024	Vanguard Investments Australia Ltd.	BUY	128.03	Ordinary	3,000	3,000
31-Jan-2024	Vanguard Investments Australia Ltd.	BUY	132.92	Ordinary	3,000	3,000
1-Feb-2024	Vanguard Investments Australia Ltd.	BUY	132.29	Ordinary	2,461	2,461
2-Feb-2024	Vanguard Investments Australia Ltd.	BUY	132.00	Ordinary	1,032	1,032
5-Feb-2024	Vanguard Investments Australia Ltd.	BUY	129.12	Ordinary	1,548	1,548
7-Feb-2024	Vanguard Investments Australia Ltd.	BUY	129.61	Ordinary	1,548	1,548
8-Feb-2024	Vanguard Investments Australia Ltd.	BUY	129.28	Ordinary	2,620	2,620
9-Feb-2024	Vanguard Investments Australia Ltd.	SELL	129.87	Ordinary	(13,455)	(13,455)
12-Feb-2024	Vanguard Investments Australia Ltd.	BUY	128.93	Ordinary	2,990	2,990
13-Feb-2024	Vanguard Investments Australia Ltd.	BUY	129.00	Ordinary	2,517	2,517
16-Feb-2024	Vanguard Investments Australia Ltd.	BUY	128.96	Ordinary	2,476	2,476
20-Feb-2024	Vanguard Investments Australia Ltd.	BUY	128.04	Ordinary	2,068	2,068
21-Feb-2024	Vanguard Investments Australia Ltd.	BUY	125.80	Ordinary	4,200	4,200
21-Feb-2024	Vanguard Investments Australia Ltd.	BUY	125.04	Ordinary	2,249	2,249
21-Feb-2024	Vanguard Investments Australia Ltd.	BUY	125.80	Ordinary	1,036	1,036
22-Feb-2024	Vanguard Investments Australia Ltd.	BUY	124.36	Ordinary	1,554	1,554
23-Feb-2024	Vanguard Investments Australia Ltd.	BUY	124.40	Ordinary	4,500	4,500
26-Feb-2024	Vanguard Investments Australia Ltd.	BUY	122.58	Ordinary	3,348	3,348
27-Feb-2024	Vanguard Investments Australia Ltd.	BUY	123.13	Ordinary	1,038	1,038
29-Feb-2024	Vanguard Investments Australia Ltd.	BUY	123.78	Ordinary	2,080	2,080
5-Mar-2024	Vanguard Investments Australia Ltd.	BUY	124.77	Ordinary	1,563	1,563
5-Mar-2024	Vanguard Investments Australia Ltd.	BUY	124.77	Ordinary	852	852
7-Mar-2024	Vanguard Investments Australia Ltd.	BUY	120.62	Ordinary	1,572	1,572
7-Mar-2024	Vanguard Investments Australia Ltd.	BUY	120.70	Ordinary	14,851	14,851
7-Mar-2024	Vanguard Investments Australia Ltd.	BUY	120.90	Ordinary	2,905	2,905
7-Mar-2024	Vanguard Investments Australia Ltd.	BUY	120.62	Ordinary	493	493
11-Mar-2024	Vanguard Investments Australia Ltd.	BUY	115.59	Ordinary	2,096	2,096
12-Mar-2024	Vanguard Investments Australia Ltd.	BUY	115.35	Ordinary	1,048	1,048
13-Mar-2024	Vanguard Investments Australia Ltd.	BUY	116.95	Ordinary	1,572	1,572
14-Mar-2024	Vanguard Investments Australia Ltd.	BUY	119.19	Ordinary	2,416	2,416
14-Mar-2024	Vanguard Investments Australia Ltd.	BUY	119.19	Ordinary	6,644	6,644
15-Mar-2024	Vanguard Investments Australia Ltd.	BUY	116.95	Ordinary	44,164	44,164
15-Mar-2024	Vanguard Investments Australia Ltd.	BUY	116.95	Ordinary	1,572	1,572
19-Mar-2024	Vanguard Investments Australia Ltd.	BUY	120.39	Ordinary	3,050	3,050
19-Mar-2024	Vanguard Investments Australia Ltd.	BUY	120.39	Ordinary	3,050	3,050
20-Mar-2024	Vanguard Investments Australia Ltd.	BUY	121.30	Ordinary	1,572	1,572
22-Mar-2024	Vanguard Investments Australia Ltd.	BUY	120.56	Ordinary	1,525	1,525
22-Mar-2024	Vanguard Investments Australia Ltd.	BUY	120.56	Ordinary	1,572	1,572
26-Mar-2024	Vanguard Investments Australia Ltd.	BUY	121.41	Ordinary	2,440	2,440
26-Mar-2024	Vanguard Investments Australia Ltd.	BUY	121.41	Ordinary	1,572	1,572
27-Mar-2024	Vanguard Investments Australia Ltd.	BUY	120.93	Ordinary	3,144	3,144
28-Mar-2024	Vanguard Investments Australia Ltd.	BUY	121.76	Ordinary	3,040	3,040
28-Mar-2024	Vanguard Investments Australia Ltd.	SELL	121.76	Ordinary	(15,121)	(15,121)
2-Apr-2024	Vanguard Investments Australia Ltd.	SELL	122.59	Ordinary	(8,154)	(8,154)
2-Apr-2024	Vanguard Investments Australia Ltd.	BUY	122.59	Ordinary	2,064	2,064
2-Apr-2024	Vanguard Investments Australia Ltd.	BUY	122.59	Ordinary	146	146
3-Apr-2024	Vanguard Investments Australia Ltd.	BUY	123.06	Ordinary	1,208	1,208
3-Apr-2024	Vanguard Investments Australia Ltd.	BUY	123.06	Ordinary	516	516
4-Apr-2024	Vanguard Investments Australia Ltd.	BUY	121.81	Ordinary	3,322	3,322
5-Apr-2024	Vanguard Investments Australia Ltd.	BUY	120.55	Ordinary	2,416	2,416
5-Apr-2024	Vanguard Investments Australia Ltd.	SELL	120.55	Ordinary	(1,812)	(1,812)
8-Apr-2024	Vanguard Investments Australia Ltd.	BUY	121.76	Ordinary	2,114	2,114
8-Apr-2024	Vanguard Investments Australia Ltd.	BUY	121.76	Ordinary	2,416	2,416
9-Apr-2024	Vanguard Investments Australia Ltd.	BUY	125.36	Ordinary	1,548	1,548
10-Apr-2024	Vanguard Investments Australia Ltd.	SELL	127.75	Ordinary	(10,570)	(10,570)
11-Apr-2024	Vanguard Investments Australia Ltd.	BUY	128.24	Ordinary	2,064	2,064
15-Apr-2024	Vanguard Investments Australia Ltd.	BUY	132.55	Ordinary	2,064	2,064
17-Apr-2024	Vanguard Investments Australia Ltd.	BUY	128.72	Ordinary	2,064	2,064
19-Apr-2024	Vanguard Investments Australia Ltd.	SELL	129.52	Ordinary	(7,248)	(7,248)
19-Apr-2024	Vanguard Investments Australia Ltd.	BUY	129.52	Ordinary	1,548	1,548
22-Apr-2024	Vanguard Investments Australia Ltd.	BUY	129.78	Ordinary	2,064	2,064
23-Apr-2024	Vanguard Investments Australia Ltd.	SELL	129.57	Ordinary	(2,727)	(2,727)
23-Apr-2024	Vanguard Investments Australia Ltd.	BUY	129.57	Ordinary	2,064	2,064
23-Apr-2024	Vanguard Investments Australia Ltd.	BUY	129.57	Ordinary	1,032	1,032
26-Apr-2024	Vanguard Investments Australia Ltd.	BUY	130.85	Ordinary	2,064	2,064
29-Apr-2024	Vanguard Investments Australia Ltd.	BUY	130.98	Ordinary	11,895	11,895
29-Apr-2024	Vanguard Investments Australia Ltd.	BUY	130.98	Ordinary	2,727	2,727

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
29-Apr-2024	Vanguard Investments Australia Ltd.	BUY	130.98	Ordinary	1,548	1,548
1-May-2024	Vanguard Investments Australia Ltd.	BUY	129.32	Ordinary	1,212	1,212
1-May-2024	Vanguard Investments Australia Ltd.	BUY	129.32	Ordinary	909	909
1-May-2024	Vanguard Investments Australia Ltd.	BUY	129.32	Ordinary	303	303
1-May-2024	Vanguard Investments Australia Ltd.	BUY	129.32	Ordinary	1,548	1,548
2-May-2024	Vanguard Investments Australia Ltd.	BUY	129.10	Ordinary	2,424	2,424
3-May-2024	Vanguard Investments Australia Ltd.	BUY	129.24	Ordinary	1,032	1,032
7-May-2024	Vanguard Investments Australia Ltd.	BUY	131.71	Ordinary	1,034	1,034
8-May-2024	Vanguard Investments Australia Ltd.	BUY	130.20	Ordinary	2,585	2,585
9-May-2024	Vanguard Investments Australia Ltd.	SELL	130.23	Ordinary	(2,727)	(2,727)
9-May-2024	Vanguard Investments Australia Ltd.	BUY	130.49	Ordinary	3,786	3,786
9-May-2024	Vanguard Investments Australia Ltd.	BUY	130.22	Ordinary	180	180
10-May-2024	Vanguard Investments Australia Ltd.	BUY	130.02	Ordinary	1,554	1,554
13-May-2024	Vanguard Investments Australia Ltd.	BUY	129.04	Ordinary	8,755	8,755
13-May-2024	Vanguard Investments Australia Ltd.	BUY	130.30	Ordinary	3,189	3,189
14-May-2024	Vanguard Investments Australia Ltd.	BUY	128.12	Ordinary	427	427
17-May-2024	Vanguard Investments Australia Ltd.	BUY	132.15	Ordinary	1,560	1,560
20-May-2024	Vanguard Investments Australia Ltd.	BUY	135.87	Ordinary	1,520	1,520
21-May-2024	Vanguard Investments Australia Ltd.	BUY	134.09	Ordinary	1,560	1,560
23-May-2024	Vanguard Investments Australia Ltd.	BUY	133.50	Ordinary	1,216	1,216
24-May-2024	Vanguard Investments Australia Ltd.	BUY	132.50	Ordinary	2,600	2,600
27-May-2024	Vanguard Investments Australia Ltd.	BUY	131.69	Ordinary	3,040	3,040
28-May-2024	Vanguard Investments Australia Ltd.	BUY	131.62	Ordinary	3,952	3,952
28-May-2024	Vanguard Investments Australia Ltd.	BUY	131.62	Ordinary	3,040	3,040
29-May-2024	Vanguard Investments Australia Ltd.	BUY	129.66	Ordinary	1,560	1,560
29-May-2024	Vanguard Investments Australia Ltd.	BUY	129.66	Ordinary	2,600	2,600
29-May-2024	Vanguard Investments Australia Ltd.	BUY	129.66	Ordinary	520	520
29-May-2024	Vanguard Investments Australia Ltd.	BUY	129.66	Ordinary	2,080	2,080
30-May-2024	Vanguard Investments Australia Ltd.	BUY	127.66	Ordinary	2,432	2,432
30-May-2024	Vanguard Investments Australia Ltd.	BUY	127.66	Ordinary	1,824	1,824
30-May-2024	Vanguard Investments Australia Ltd.	BUY	127.66	Ordinary	3,040	3,040
30-May-2024	Vanguard Investments Australia Ltd.	BUY	127.66	Ordinary	520	520
31-May-2024	Vanguard Investments Australia Ltd.	BUY	128.96	Ordinary	2,080	2,080
31-May-2024	Vanguard Investments Australia Ltd.	BUY	128.96	Ordinary	2,080	2,080
31-May-2024	Vanguard Investments Australia Ltd.	BUY	128.95	Ordinary	444	444
31-May-2024	Vanguard Investments Australia Ltd.	BUY	128.96	Ordinary	917	917
3-Jun-2024	Vanguard Investments Australia Ltd.	BUY	128.52	Ordinary	435	435
4-Jun-2024	Vanguard Investments Australia Ltd.	BUY	127.47	Ordinary	1,525	1,525
5-Jun-2024	Vanguard Investments Australia Ltd.	BUY	125.60	Ordinary	1,525	1,525
5-Jun-2024	Vanguard Investments Australia Ltd.	BUY	125.60	Ordinary	1,560	1,560
11-Jun-2024	Vanguard Investments Australia Ltd.	BUY	122.91	Ordinary	3,965	3,965
12-Jun-2024	Vanguard Investments Australia Ltd.	BUY	121.04	Ordinary	305	305
12-Jun-2024	Vanguard Investments Australia Ltd.	BUY	121.04	Ordinary	2,600	2,600
12-Jun-2024	Vanguard Investments Australia Ltd.	BUY	121.04	Ordinary	3,120	3,120
13-Jun-2024	Vanguard Investments Australia Ltd.	BUY	120.62	Ordinary	3,660	3,660
13-Jun-2024	Vanguard Investments Australia Ltd.	BUY	120.62	Ordinary	1,040	1,040
14-Jun-2024	Vanguard Investments Australia Ltd.	BUY	120.20	Ordinary	2,440	2,440
17-Jun-2024	Vanguard Investments Australia Ltd.	BUY	118.16	Ordinary	2,600	2,600
18-Jun-2024	Vanguard Investments Australia Ltd.	BUY	119.26	Ordinary	1,830	1,830
18-Jun-2024	Vanguard Investments Australia Ltd.	BUY	119.26	Ordinary	1,560	1,560
19-Jun-2024	Vanguard Investments Australia Ltd.	BUY	119.21	Ordinary	3,060	3,060
20-Jun-2024	Vanguard Investments Australia Ltd.	BUY	119.67	Ordinary	2,088	2,088
20-Jun-2024	Vanguard Investments Australia Ltd.	BUY	119.67	Ordinary	3,132	3,132
21-Jun-2024	Vanguard Investments Australia Ltd.	BUY	120.25	Ordinary	31,388	31,388
21-Jun-2024	Vanguard Investments Australia Ltd.	BUY	120.25	Ordinary	3,259	3,259
21-Jun-2024	Vanguard Investments Australia Ltd.	BUY	120.25	Ordinary	303,879	303,879
	Vanguard Personalized Indexing Management	RECEIVE		Ordinary	986	986

This is Annexure A of 32 pages referred to in Form 604, Notice of change of interest of substantial holder.



Signature: \_\_\_\_\_

Name: Shawn Acker \_\_\_\_\_

Capacity: Compliance Manager \_\_\_\_\_

Date: 3 July 2024 \_\_\_\_\_