

Form 604Corporations Act 2001
Section 671B**Notice of change of interests of substantial holder**To Company Name/Scheme
ACN/ARSNAtlas Arteria Limited
141 075 201**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/AThere was a change in the interests of the
substantial holder on27 March 2020

The previous notice was given to the company on

14 December 2018

The previous notice was dated

14 December 2018**2. Previous and present voting power**

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary	34,163,388	5.000%	52,753,348	6.001%

3. Changes in relevant interests

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

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

4. Present relevant interests

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

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
Vanguard Group	Brown Brothers Harriman	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 770,025	770,025
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 2,488,334	2,488,334
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 27,621,931	27,621,931
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 6,336,166	6,336,166
Vanguard Group	Various others	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 15,536,892	15,536,892

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
The Vanguard Group, Inc.	P.O. Box 2600, V26 Valley Forge, PA 19482 USA

Signature

print name Shawn Acker capacity Compliance Manager

sign here  date 01 April 2020

- (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
ACN/ARSN

Atlas Arteria Limited
141 075 201

Substantial Holder Name
ACN/ARSN

Vanguard Group
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
13-Dec-18	The Vanguard Group, Inc.	BUY	6.67	Ordinary	992	992
13-Dec-18	The Vanguard Group, Inc.	BUY	6.68	Ordinary	246	246
14-Dec-18	The Vanguard Group, Inc.	BUY	6.68	Ordinary	5,478	5,478
14-Dec-18	The Vanguard Group, Inc.	SELL	6.70	Ordinary	(861)	(861)
17-Dec-18	The Vanguard Group, Inc.	BUY	6.75	Ordinary	10,956	10,956
17-Dec-18	The Vanguard Group, Inc.	SELL	6.81	Ordinary	(8,992)	(8,992)
20-Dec-18	The Vanguard Group, Inc.	BUY	6.18	Ordinary	7,304	7,304
21-Dec-18	The Vanguard Group, Inc.	BUY	6.09	Ordinary	15,938	15,938
21-Dec-18	The Vanguard Group, Inc.	BUY	6.09	Ordinary	1,972	1,972
21-Dec-18	The Vanguard Group, Inc.	BUY	6.09	Ordinary	1,288	1,288
28-Dec-18	The Vanguard Group, Inc.	BUY	6.20	Ordinary	52,712	52,712
2-Jan-19	The Vanguard Group, Inc.	BUY	6.07	Ordinary	1,020	1,020
3-Jan-19	The Vanguard Group, Inc.	BUY	6.08	Ordinary	1,020	1,020
9-Jan-19	The Vanguard Group, Inc.	BUY	6.35	Ordinary	14,661	14,661
10-Jan-19	The Vanguard Group, Inc.	BUY	6.36	Ordinary	2,040	2,040
17-Jan-19	The Vanguard Group, Inc.	SELL	6.29	Ordinary	(5,538)	(5,538)
17-Jan-19	The Vanguard Group, Inc.	BUY	6.27	Ordinary	1,879	1,879
22-Jan-19	The Vanguard Group, Inc.	SELL	6.39	Ordinary	(5,538)	(5,538)
23-Jan-19	The Vanguard Group, Inc.	SELL	6.39	Ordinary	(11,999)	(11,999)
24-Jan-19	The Vanguard Group, Inc.	SELL	6.43	Ordinary	(11,999)	(11,999)
29-Jan-19	The Vanguard Group, Inc.	SELL	6.42	Ordinary	(7,384)	(7,384)
29-Jan-19	The Vanguard Group, Inc.	SELL	6.42	Ordinary	(7,384)	(7,384)
29-Jan-19	The Vanguard Group, Inc.	SELL	6.42	Ordinary	(17,537)	(17,537)
29-Jan-19	The Vanguard Group, Inc.	BUY	6.52	Ordinary	534	534
31-Jan-19	The Vanguard Group, Inc.	BUY	6.65	Ordinary	379	379
7-Feb-19	The Vanguard Group, Inc.	SELL	6.79	Ordinary	(5,816)	(5,816)
8-Feb-19	The Vanguard Group, Inc.	BUY	6.83	Ordinary	41,531	41,531
20-Feb-19	The Vanguard Group, Inc.	BUY	7.04	Ordinary	2,284	2,284
26-Feb-19	The Vanguard Group, Inc.	BUY	7.16	Ordinary	4,615	4,615
27-Feb-19	The Vanguard Group, Inc.	BUY	7.13	Ordinary	1,020	1,020
27-Feb-19	The Vanguard Group, Inc.	BUY	7.14	Ordinary	379	379
1-Mar-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	6,645	6,645
4-Mar-19	The Vanguard Group, Inc.	BUY	6.96	Ordinary	39,483	39,483
5-Mar-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	5,538	5,538
5-Mar-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	5,644	5,644
8-Mar-19	The Vanguard Group, Inc.	BUY	7.05	Ordinary	4,615	4,615
11-Mar-19	The Vanguard Group, Inc.	BUY	7.04	Ordinary	379	379
12-Mar-19	The Vanguard Group, Inc.	BUY	7.07	Ordinary	141,382	141,382
12-Mar-19	The Vanguard Group, Inc.	BUY	7.07	Ordinary	15,247	15,247
14-Mar-19	The Vanguard Group, Inc.	BUY	6.95	Ordinary	902	902
15-Mar-19	The Vanguard Group, Inc.	SELL	7.09	Ordinary	(7,217)	(7,217)
15-Mar-19	The Vanguard Group, Inc.	BUY	7.09	Ordinary	592	592
15-Mar-19	The Vanguard Group, Inc.	BUY	7.09	Ordinary	82	82
15-Mar-19	The Vanguard Group, Inc.	SELL	7.09	Ordinary	(1,818)	(1,818)
19-Mar-19	The Vanguard Group, Inc.	BUY	7.05	Ordinary	199	199
20-Mar-19	The Vanguard Group, Inc.	BUY	7.04	Ordinary	2,769	2,769
20-Mar-19	The Vanguard Group, Inc.	BUY	7.05	Ordinary	5,617	5,617
27-Mar-19	The Vanguard Group, Inc.	BUY	7.29	Ordinary	105,135	105,135
27-Mar-19	The Vanguard Group, Inc.	BUY	7.27	Ordinary	1,252	1,252
29-Mar-19	The Vanguard Group, Inc.	BUY	7.22	Ordinary	379	379
1-Apr-19	The Vanguard Group, Inc.	BUY	7.25	Ordinary	3,692	3,692
1-Apr-19	The Vanguard Group, Inc.	BUY	7.25	Ordinary	1,252	1,252
3-Apr-19	The Vanguard Group, Inc.	BUY	7.21	Ordinary	97,579	97,579
4-Apr-19	The Vanguard Group, Inc.	BUY	7.08	Ordinary	1,254	1,254
5-Apr-19	The Vanguard Group, Inc.	BUY	7.04	Ordinary	1,252	1,252
8-Apr-19	The Vanguard Group, Inc.	BUY	7.12	Ordinary	1,252	1,252
9-Apr-19	The Vanguard Group, Inc.	BUY	6.98	Ordinary	5,778	5,778
10-Apr-19	The Vanguard Group, Inc.	BUY	6.99	Ordinary	35,231	35,231
16-Apr-19	The Vanguard Group, Inc.	BUY	6.89	Ordinary	379	379
24-Apr-19	The Vanguard Group, Inc.	BUY	7.20	Ordinary	1,847	1,847
26-Apr-19	The Vanguard Group, Inc.	BUY	7.12	Ordinary	4,615	4,615
26-Apr-19	The Vanguard Group, Inc.	BUY	7.20	Ordinary	5,566	5,566

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
3-May-19	The Vanguard Group, Inc.	BUY	7.17	Ordinary	82,799	82,799
3-May-19	The Vanguard Group, Inc.	BUY	7.17	Ordinary	1,254	1,254
6-May-19	The Vanguard Group, Inc.	SELL	7.14	Ordinary	(4,362)	(4,362)
7-May-19	The Vanguard Group, Inc.	BUY	7.10	Ordinary	3,498	3,498
7-May-19	The Vanguard Group, Inc.	BUY	7.11	Ordinary	1,254	1,254
8-May-19	The Vanguard Group, Inc.	SELL	6.94	Ordinary	(4,362)	(4,362)
8-May-19	The Vanguard Group, Inc.	BUY	6.95	Ordinary	7,421	7,421
9-May-19	The Vanguard Group, Inc.	BUY	7.05	Ordinary	102,667	102,667
9-May-19	The Vanguard Group, Inc.	BUY	7.07	Ordinary	5,538	5,538
9-May-19	The Vanguard Group, Inc.	BUY	7.07	Ordinary	1,270	1,270
14-May-19	The Vanguard Group, Inc.	SELL	7.28	Ordinary	(4,362)	(4,362)
14-May-19	The Vanguard Group, Inc.	BUY	7.28	Ordinary	635	635
14-May-19	The Vanguard Group, Inc.	BUY	7.28	Ordinary	379	379
17-May-19	The Vanguard Group, Inc.	BUY	7.32	Ordinary	48,805	48,805
23-May-19	The Vanguard Group, Inc.	SELL	7.31	Ordinary	(6,528)	(6,528)
24-May-19	The Vanguard Group, Inc.	BUY	7.31	Ordinary	1,841	1,841
28-May-19	The Vanguard Group, Inc.	BUY	7.28	Ordinary	4,615	4,615
29-May-19	The Vanguard Group, Inc.	SELL	7.23	Ordinary	(418)	(418)
31-May-19	The Vanguard Group, Inc.	BUY	7.07	Ordinary	120,220	120,220
5-Jun-19	The Vanguard Group, Inc.	SELL	7.03	Ordinary	(5,816)	(5,816)
5-Jun-19	The Vanguard Group, Inc.	SELL	7.03	Ordinary	(2,908)	(2,908)
5-Jun-19	The Vanguard Group, Inc.	SELL	7.01	Ordinary	(1,254)	(1,254)
6-Jun-19	The Vanguard Group, Inc.	BUY	7.20	Ordinary	1,270	1,270
6-Jun-19	The Vanguard Group, Inc.	BUY	7.18	Ordinary	379	379
6-Jun-19	The Vanguard Group, Inc.	SELL	7.18	Ordinary	(10,404)	(10,404)
7-Jun-19	The Vanguard Group, Inc.	BUY	7.32	Ordinary	1,270	1,270
7-Jun-19	The Vanguard Group, Inc.	BUY	7.29	Ordinary	199	199
11-Jun-19	The Vanguard Group, Inc.	SELL	7.40	Ordinary	(3,635)	(3,635)
12-Jun-19	The Vanguard Group, Inc.	BUY	7.51	Ordinary	748	748
14-Jun-19	The Vanguard Group, Inc.	SELL	7.61	Ordinary	(2,181)	(2,181)
17-Jun-19	The Vanguard Group, Inc.	BUY	7.73	Ordinary	379	379
18-Jun-19	The Vanguard Group, Inc.	BUY	7.82	Ordinary	1,270	1,270
19-Jun-19	The Vanguard Group, Inc.	BUY	8.16	Ordinary	32,970	32,970
21-Jun-19	The Vanguard Group, Inc.	BUY	8.14	Ordinary	7,206	7,206
21-Jun-19	The Vanguard Group, Inc.	BUY	8.14	Ordinary	4,238	4,238
21-Jun-19	The Vanguard Group, Inc.	SELL	8.14	Ordinary	(1,722)	(1,722)
25-Jun-19	The Vanguard Group, Inc.	SELL	7.94	Ordinary	(2,181)	(2,181)
26-Jun-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	1,254	1,254
26-Jun-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	11,151	11,151
5-Jul-19	The Vanguard Group, Inc.	BUY	8.13	Ordinary	3,692	3,692
5-Jul-19	The Vanguard Group, Inc.	BUY	8.14	Ordinary	1,610	1,610
9-Jul-19	The Vanguard Group, Inc.	BUY	7.85	Ordinary	379	379
10-Jul-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	2,205	2,205
15-Jul-19	The Vanguard Group, Inc.	BUY	7.66	Ordinary	5,538	5,538
16-Jul-19	The Vanguard Group, Inc.	BUY	7.68	Ordinary	5,863	5,863
19-Jul-19	The Vanguard Group, Inc.	BUY	7.85	Ordinary	1,226	1,226
22-Jul-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	4,615	4,615
22-Jul-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	4,615	4,615
22-Jul-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	1,226	1,226
26-Jul-19	The Vanguard Group, Inc.	BUY	8.23	Ordinary	1,226	1,226
26-Jul-19	The Vanguard Group, Inc.	BUY	8.21	Ordinary	175	175
30-Jul-19	The Vanguard Group, Inc.	SELL	8.15	Ordinary	(2,908)	(2,908)
30-Jul-19	The Vanguard Group, Inc.	BUY	8.16	Ordinary	1,254	1,254
1-Aug-19	The Vanguard Group, Inc.	BUY	8.30	Ordinary	8,307	8,307
6-Aug-19	The Vanguard Group, Inc.	BUY	8.00	Ordinary	613	613
8-Aug-19	The Vanguard Group, Inc.	SELL	8.21	Ordinary	(3,635)	(3,635)
8-Aug-19	The Vanguard Group, Inc.	BUY	8.12	Ordinary	50,489	50,489
8-Aug-19	The Vanguard Group, Inc.	BUY	8.16	Ordinary	1,724	1,724
9-Aug-19	The Vanguard Group, Inc.	BUY	8.12	Ordinary	1,839	1,839
13-Aug-19	The Vanguard Group, Inc.	SELL	8.28	Ordinary	(5,089)	(5,089)
13-Aug-19	The Vanguard Group, Inc.	BUY	8.28	Ordinary	1,226	1,226
14-Aug-19	The Vanguard Group, Inc.	BUY	8.13	Ordinary	379	379
15-Aug-19	The Vanguard Group, Inc.	SELL	7.98	Ordinary	(4,362)	(4,362)
15-Aug-19	The Vanguard Group, Inc.	BUY	8.03	Ordinary	95,098	95,098
19-Aug-19	The Vanguard Group, Inc.	SELL	8.04	Ordinary	(758)	(758)
3-Sep-19	The Vanguard Group, Inc.	BUY	8.34	Ordinary	8,555	8,555
6-Sep-19	The Vanguard Group, Inc.	BUY	8.41	Ordinary	427	427
16-Sep-19	The Vanguard Group, Inc.	BUY	7.65	Ordinary	2,181	2,181
20-Sep-19	The Vanguard Group, Inc.	SELL	7.92	Ordinary	(2,723)	(2,723)

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-Sep-19	The Vanguard Group, Inc.	BUY	7.91	Ordinary	176	176
24-Sep-19	The Vanguard Group, Inc.	BUY	7.95	Ordinary	20,156	20,156
24-Sep-19	The Vanguard Group, Inc.	BUY	7.95	Ordinary	11,866	11,866
27-Sep-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	23,147	23,147
30-Sep-19	The Vanguard Group, Inc.	BUY	7.81	Ordinary	1,226	1,226
1-Oct-19	The Vanguard Group, Inc.	BUY	7.95	Ordinary	1,322	1,322
2-Oct-19	The Vanguard Group, Inc.	BUY	7.86	Ordinary	613	613
16-Oct-19	The Vanguard Group, Inc.	BUY	8.15	Ordinary	1,226	1,226
21-Oct-19	The Vanguard Group, Inc.	BUY	8.28	Ordinary	1,226	1,226
21-Oct-19	The Vanguard Group, Inc.	BUY	8.27	Ordinary	375	375
25-Oct-19	The Vanguard Group, Inc.	SELL	8.24	Ordinary	(8,724)	(8,724)
25-Oct-19	The Vanguard Group, Inc.	BUY	8.24	Ordinary	1,120	1,120
25-Oct-19	The Vanguard Group, Inc.	BUY	8.23	Ordinary	8,753	8,753
25-Oct-19	The Vanguard Group, Inc.	SELL	8.23	Ordinary	(40)	(40)
25-Oct-19	The Vanguard Group, Inc.	BUY	8.23	Ordinary	375	375
28-Oct-19	The Vanguard Group, Inc.	BUY	8.22	Ordinary	10,463	10,463
1-Nov-19	The Vanguard Group, Inc.	BUY	8.06	Ordinary	307	307
4-Nov-19	The Vanguard Group, Inc.	BUY	8.22	Ordinary	6,688	6,688
8-Nov-19	The Vanguard Group, Inc.	BUY	7.75	Ordinary	375	375
18-Nov-19	The Vanguard Group, Inc.	BUY	7.74	Ordinary	1,626	1,626
19-Nov-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	441	441
25-Nov-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	54,153	54,153
25-Nov-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	903,038	903,038
25-Nov-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	349,970	349,970
25-Nov-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	18,859	18,859
25-Nov-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	82,351	82,351
25-Nov-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	7,497	7,497
25-Nov-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	5,931	5,931
25-Nov-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	25,437	25,437
25-Nov-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	12,068	12,068
25-Nov-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	8,181	8,181
25-Nov-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	20,634	20,634
25-Nov-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	5,508	5,508
25-Nov-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	1,220	1,220
25-Nov-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	52,628	52,628
25-Nov-19	The Vanguard Group, Inc.	BUY	7.77	Ordinary	1,023	1,023
26-Nov-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	34,283	34,283
26-Nov-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	571,699	571,699
26-Nov-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	221,561	221,561
26-Nov-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	11,939	11,939
26-Nov-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	52,135	52,135
26-Nov-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	4,746	4,746
26-Nov-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	3,755	3,755
26-Nov-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	16,104	16,104
26-Nov-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	5,179	5,179
26-Nov-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	648	648
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	41,091	41,091
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	685,212	685,212
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	265,552	265,552
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	14,310	14,310
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	62,486	62,486
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	5,688	5,688
27-Nov-19	The Vanguard Group, Inc.	BUY	7.86	Ordinary	542	542
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	4,500	4,500
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	19,302	19,302
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	374	374
27-Nov-19	The Vanguard Group, Inc.	BUY	7.85	Ordinary	1,574	1,574
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	6,207	6,207
27-Nov-19	The Vanguard Group, Inc.	BUY	7.88	Ordinary	777	777
29-Nov-19	The Vanguard Group, Inc.	BUY	7.65	Ordinary	441	441
2-Dec-19	The Vanguard Group, Inc.	BUY	7.55	Ordinary	13,174	13,174
3-Dec-19	The Vanguard Group, Inc.	BUY	7.50	Ordinary	2,168	2,168
3-Dec-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	1,356	1,356
3-Dec-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	7,211	7,211
3-Dec-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	578	578
3-Dec-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	198	198
3-Dec-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	5,086	5,086
3-Dec-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	27,833	27,833
3-Dec-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	1,551	1,551

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-Dec-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	3,600	3,600
3-Dec-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	987	987
3-Dec-19	The Vanguard Group, Inc.	BUY	6.90	Ordinary	2,698	2,698
3-Dec-19	The Vanguard Group, Inc.	BUY	7.52	Ordinary	441	441
3-Dec-19	The Vanguard Group, Inc.	BUY	7.52	Ordinary	882	882
4-Dec-19	The Vanguard Group, Inc.	BUY	7.48	Ordinary	204	204
10-Dec-19	The Vanguard Group, Inc.	BUY	7.59	Ordinary	441	441
11-Dec-19	The Vanguard Group, Inc.	BUY	7.64	Ordinary	9,817	9,817
12-Dec-19	The Vanguard Group, Inc.	SELL	7.68	Ordinary	(19,134)	(19,134)
13-Dec-19	The Vanguard Group, Inc.	BUY	7.49	Ordinary	1,084	1,084
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	9,850	9,850
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	75,622	75,622
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	43,594	43,594
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	334,672	334,672
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	33,668	33,668
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	258,476	258,476
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	2,325	2,325
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	17,847	17,847
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	735	735
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	5,640	5,640
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	4,198	4,198
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	32,229	32,229
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	393	393
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	3,018	3,018
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	99	99
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	397	397
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	3,048	3,048
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	383	383
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	2,944	2,944
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	893	893
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	6,854	6,854
20-Dec-19	The Vanguard Group, Inc.	BUY	7.84	Ordinary	4,394	4,394
20-Dec-19	The Vanguard Group, Inc.	BUY	7.72	Ordinary	572	572
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	21,325	21,325
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	94,379	94,379
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	72,891	72,891
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	13,174	13,174
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	2,823	2,823
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	5,033	5,033
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	1,591	1,591
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	1,626	1,626
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	9,089	9,089
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	851	851
23-Dec-19	The Vanguard Group, Inc.	BUY	7.90	Ordinary	621	621
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	859	859
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	830	830
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	1,933	1,933
23-Dec-19	The Vanguard Group, Inc.	BUY	7.97	Ordinary	1,239	1,239
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	12,926	12,926
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	57,205	57,205
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	44,182	44,182
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	5,646	5,646
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	3,050	3,050
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	964	964
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	5,509	5,509
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	516	516
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	521	521
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	504	504
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	1,171	1,171
24-Dec-19	The Vanguard Group, Inc.	BUY	8.01	Ordinary	751	751
26-Dec-19	The Vanguard Group, Inc.	BUY	8.03	Ordinary	14,115	14,115
27-Dec-19	The Vanguard Group, Inc.	BUY	7.96	Ordinary	104,706	104,706
30-Dec-19	The Vanguard Group, Inc.	BUY	7.95	Ordinary	36,544	36,544
30-Dec-19	The Vanguard Group, Inc.	SELL	7.94	Ordinary	(22,340)	(22,340)
30-Dec-19	The Vanguard Group, Inc.	BUY	7.98	Ordinary	2,642	2,642
31-Dec-19	The Vanguard Group, Inc.	BUY	7.85	Ordinary	49,027	49,027
31-Dec-19	The Vanguard Group, Inc.	BUY	7.83	Ordinary	500	500
31-Dec-19	The Vanguard Group, Inc.	BUY	7.83	Ordinary	500	500
3-Jan-20	The Vanguard Group, Inc.	BUY	7.90	Ordinary	178,716	178,716

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3-Jan-20	The Vanguard Group, Inc.	BUY	7.92	Ordinary	41,223	41,223
6-Jan-20	The Vanguard Group, Inc.	BUY	7.96	Ordinary	47,488	47,488
6-Jan-20	The Vanguard Group, Inc.	BUY	8.06	Ordinary	609	609
6-Jan-20	The Vanguard Group, Inc.	BUY	8.03	Ordinary	12,229	12,229
7-Jan-20	The Vanguard Group, Inc.	BUY	8.05	Ordinary	57,097	57,097
8-Jan-20	The Vanguard Group, Inc.	BUY	7.96	Ordinary	47,404	47,404
8-Jan-20	The Vanguard Group, Inc.	BUY	8.00	Ordinary	500	500
9-Jan-20	The Vanguard Group, Inc.	BUY	8.09	Ordinary	16,938	16,938
9-Jan-20	The Vanguard Group, Inc.	BUY	8.07	Ordinary	2,003	2,003
10-Jan-20	The Vanguard Group, Inc.	BUY	8.08	Ordinary	1,218	1,218
10-Jan-20	The Vanguard Group, Inc.	BUY	8.10	Ordinary	500	500
13-Jan-20	The Vanguard Group, Inc.	BUY	8.07	Ordinary	1,692	1,692
13-Jan-20	The Vanguard Group, Inc.	BUY	8.07	Ordinary	500	500
14-Jan-20	The Vanguard Group, Inc.	BUY	8.16	Ordinary	1,218	1,218
15-Jan-20	The Vanguard Group, Inc.	BUY	8.29	Ordinary	7,528	7,528
15-Jan-20	The Vanguard Group, Inc.	BUY	8.28	Ordinary	500	500
15-Jan-20	The Vanguard Group, Inc.	SELL	8.28	Ordinary	(14,324)	(14,324)
16-Jan-20	The Vanguard Group, Inc.	BUY	8.35	Ordinary	8,469	8,469
17-Jan-20	The Vanguard Group, Inc.	BUY	8.25	Ordinary	70,006	70,006
17-Jan-20	The Vanguard Group, Inc.	BUY	8.20	Ordinary	7,528	7,528
17-Jan-20	The Vanguard Group, Inc.	BUY	8.20	Ordinary	8,469	8,469
22-Jan-20	The Vanguard Group, Inc.	BUY	8.05	Ordinary	5,646	5,646
22-Jan-20	The Vanguard Group, Inc.	BUY	8.06	Ordinary	3,594	3,594
22-Jan-20	The Vanguard Group, Inc.	BUY	8.06	Ordinary	1,692	1,692
23-Jan-20	The Vanguard Group, Inc.	BUY	8.01	Ordinary	4,705	4,705
23-Jan-20	The Vanguard Group, Inc.	BUY	8.01	Ordinary	1,827	1,827
24-Jan-20	The Vanguard Group, Inc.	BUY	7.97	Ordinary	2,051	2,051
28-Jan-20	The Vanguard Group, Inc.	BUY	7.98	Ordinary	55,884	55,884
28-Jan-20	The Vanguard Group, Inc.	BUY	8.00	Ordinary	500	500
30-Jan-20	The Vanguard Group, Inc.	BUY	8.11	Ordinary	609	609
30-Jan-20	The Vanguard Group, Inc.	BUY	8.07	Ordinary	4,203	4,203
31-Jan-20	The Vanguard Group, Inc.	BUY	8.05	Ordinary	5,646	5,646
31-Jan-20	The Vanguard Group, Inc.	BUY	8.05	Ordinary	5,646	5,646
31-Jan-20	The Vanguard Group, Inc.	BUY	8.13	Ordinary	3,296	3,296
3-Feb-20	The Vanguard Group, Inc.	BUY	8.03	Ordinary	5,076	5,076
4-Feb-20	The Vanguard Group, Inc.	BUY	8.10	Ordinary	73,496	73,496
4-Feb-20	The Vanguard Group, Inc.	BUY	8.09	Ordinary	2,174	2,174
4-Feb-20	The Vanguard Group, Inc.	BUY	8.09	Ordinary	500	500
5-Feb-20	The Vanguard Group, Inc.	BUY	8.20	Ordinary	19,000	19,000
5-Feb-20	The Vanguard Group, Inc.	BUY	8.20	Ordinary	7,000	7,000
6-Feb-20	The Vanguard Group, Inc.	BUY	8.22	Ordinary	1,827	1,827
10-Feb-20	The Vanguard Group, Inc.	BUY	8.26	Ordinary	9,000	9,000
10-Feb-20	The Vanguard Group, Inc.	BUY	8.22	Ordinary	1,692	1,692
11-Feb-20	The Vanguard Group, Inc.	BUY	8.37	Ordinary	6,000	6,000
11-Feb-20	The Vanguard Group, Inc.	BUY	8.37	Ordinary	500	500
11-Feb-20	The Vanguard Group, Inc.	BUY	8.37	Ordinary	500	500
13-Feb-20	The Vanguard Group, Inc.	BUY	8.33	Ordinary	13,000	13,000
13-Feb-20	The Vanguard Group, Inc.	BUY	8.33	Ordinary	1,218	1,218
13-Feb-20	The Vanguard Group, Inc.	BUY	8.33	Ordinary	500	500
14-Feb-20	The Vanguard Group, Inc.	BUY	8.41	Ordinary	6,000	6,000
18-Feb-20	The Vanguard Group, Inc.	BUY	8.41	Ordinary	2,487	2,487
19-Feb-20	The Vanguard Group, Inc.	BUY	8.50	Ordinary	70,509	70,509
19-Feb-20	The Vanguard Group, Inc.	BUY	8.51	Ordinary	5,000	5,000
20-Feb-20	The Vanguard Group, Inc.	BUY	8.37	Ordinary	11,907	11,907
21-Feb-20	The Vanguard Group, Inc.	BUY	8.42	Ordinary	69,360	69,360
21-Feb-20	The Vanguard Group, Inc.	BUY	8.34	Ordinary	8,000	8,000
21-Feb-20	The Vanguard Group, Inc.	BUY	8.37	Ordinary	2,380	2,380
24-Feb-20	The Vanguard Group, Inc.	SELL	8.20	Ordinary	(3,875)	(3,875)
25-Feb-20	The Vanguard Group, Inc.	SELL	8.16	Ordinary	(60,300)	(60,300)
25-Feb-20	The Vanguard Group, Inc.	SELL	7.97	Ordinary	(1,550)	(1,550)
25-Feb-20	The Vanguard Group, Inc.	BUY	7.97	Ordinary	6,000	6,000
25-Feb-20	The Vanguard Group, Inc.	BUY	7.97	Ordinary	609	609
26-Feb-20	The Vanguard Group, Inc.	BUY	7.99	Ordinary	72,906	72,906
26-Feb-20	The Vanguard Group, Inc.	BUY	7.92	Ordinary	1,827	1,827
26-Feb-20	The Vanguard Group, Inc.	BUY	7.92	Ordinary	1,218	1,218
26-Feb-20	The Vanguard Group, Inc.	BUY	7.99	Ordinary	42,940	42,940
28-Feb-20	The Vanguard Group, Inc.	BUY	8.02	Ordinary	85,576	85,576
28-Feb-20	The Vanguard Group, Inc.	BUY	8.03	Ordinary	16,248	16,248
2-Mar-20	The Vanguard Group, Inc.	SELL	8.13	Ordinary	(8,000)	(8,000)

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4-Mar-20	The Vanguard Group, Inc.	BUY	7.95	Ordinary	13,151	13,151
4-Mar-20	The Vanguard Group, Inc.	BUY	8.13	Ordinary	433	433
4-Mar-20	The Vanguard Group, Inc.	BUY	8.13	Ordinary	20,287	20,287
6-Mar-20	The Vanguard Group, Inc.	SELL	7.62	Ordinary	(6,000)	(6,000)
6-Mar-20	The Vanguard Group, Inc.	BUY	7.65	Ordinary	500	500
10-Mar-20	The Vanguard Group, Inc.	BUY	6.98	Ordinary	91,778	91,778
10-Mar-20	The Vanguard Group, Inc.	SELL	7.29	Ordinary	(5,000)	(5,000)
11-Mar-20	The Vanguard Group, Inc.	BUY	7.17	Ordinary	82,320	82,320
11-Mar-20	The Vanguard Group, Inc.	SELL	6.90	Ordinary	(3,000)	(3,000)
12-Mar-20	The Vanguard Group, Inc.	SELL	5.81	Ordinary	(11,000)	(11,000)
12-Mar-20	The Vanguard Group, Inc.	BUY	6.10	Ordinary	3,742	3,742
13-Mar-20	The Vanguard Group, Inc.	BUY	6.10	Ordinary	96,723	96,723
13-Mar-20	The Vanguard Group, Inc.	BUY	6.10	Ordinary	29,000	29,000
13-Mar-20	The Vanguard Group, Inc.	BUY	6.10	Ordinary	500	500
16-Mar-20	The Vanguard Group, Inc.	SELL	4.81	Ordinary	(2,325)	(2,325)
16-Mar-20	The Vanguard Group, Inc.	BUY	4.81	Ordinary	1,218	1,218
16-Mar-20	The Vanguard Group, Inc.	BUY	4.81	Ordinary	609	609
16-Mar-20	The Vanguard Group, Inc.	BUY	4.98	Ordinary	811	811
16-Mar-20	The Vanguard Group, Inc.	BUY	4.98	Ordinary	348	348
16-Mar-20	The Vanguard Group, Inc.	BUY	4.98	Ordinary	1,714	1,714
17-Mar-20	The Vanguard Group, Inc.	SELL	5.49	Ordinary	(3,100)	(3,100)
17-Mar-20	The Vanguard Group, Inc.	BUY	4.97	Ordinary	106,563	106,563
17-Mar-20	The Vanguard Group, Inc.	SELL	5.49	Ordinary	(8,000)	(8,000)
17-Mar-20	The Vanguard Group, Inc.	SELL	5.49	Ordinary	(10,000)	(10,000)
17-Mar-20	The Vanguard Group, Inc.	BUY	5.49	Ordinary	1,827	1,827
17-Mar-20	The Vanguard Group, Inc.	BUY	5.49	Ordinary	1,218	1,218
17-Mar-20	The Vanguard Group, Inc.	SELL	5.38	Ordinary	(910)	(910)
17-Mar-20	The Vanguard Group, Inc.	BUY	5.38	Ordinary	26,500	26,500
18-Mar-20	The Vanguard Group, Inc.	BUY	5.05	Ordinary	8,780	8,780
19-Mar-20	The Vanguard Group, Inc.	BUY	5.30	Ordinary	124,431	124,431
20-Mar-20	The Vanguard Group, Inc.	SELL	5.13	Ordinary	(3,875)	(3,875)
20-Mar-20	The Vanguard Group, Inc.	SELL	5.09	Ordinary	(28,997)	(28,997)
20-Mar-20	The Vanguard Group, Inc.	BUY	5.13	Ordinary	1,827	1,827
23-Mar-20	The Vanguard Group, Inc.	SELL	4.39	Ordinary	(3,100)	(3,100)
23-Mar-20	The Vanguard Group, Inc.	BUY	4.33	Ordinary	1,715	1,715
24-Mar-20	The Vanguard Group, Inc.	SELL	4.34	Ordinary	(8,979)	(8,979)
24-Mar-20	The Vanguard Group, Inc.	BUY	4.61	Ordinary	119,002	119,002
26-Mar-20	The Vanguard Group, Inc.	SELL	5.51	Ordinary	(2,325)	(2,325)
26-Mar-20	The Vanguard Group, Inc.	BUY	5.14	Ordinary	82,633	82,633
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	469,469	469,469
14-Dec-18	Vanguard Investments Australia Ltd.	BUY	6.70	Ordinary	5,198	5,198
14-Dec-18	Vanguard Investments Australia Ltd.	SELL	6.70	Ordinary	(3,858)	(3,858)
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	6.09	Ordinary	40,875	40,875
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	6.09	Ordinary	8,225	8,225
21-Dec-18	Vanguard Investments Australia Ltd.	SELL	6.10	Ordinary	(7,082)	(7,082)
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	6.09	Ordinary	22,317	22,317
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	6.09	Ordinary	42,619	42,619
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	6.09	Ordinary	51,198	51,198
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	6.09	Ordinary	3,639	3,639
27-Dec-18	Vanguard Investments Australia Ltd.	BUY	6.18	Ordinary	3,810	3,810
31-Dec-18	Vanguard Investments Australia Ltd.	SELL	6.26	Ordinary	(42,853)	(42,853)
31-Dec-18	Vanguard Investments Australia Ltd.	SELL	6.27	Ordinary	(8,326)	(8,326)
31-Dec-18	Vanguard Investments Australia Ltd.	SELL	6.26	Ordinary	(3,877)	(3,877)
3-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	12,236	12,236
4-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.03	Ordinary	4,966	4,966
8-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.24	Ordinary	6,240	6,240
11-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.33	Ordinary	7,500	7,500
14-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.38	Ordinary	9,612	9,612
18-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.26	Ordinary	4,697	4,697
18-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.26	Ordinary	5,658	5,658
18-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.26	Ordinary	24,636	24,636
21-Jan-19	Vanguard Investments Australia Ltd.	SELL	6.28	Ordinary	(8,197)	(8,197)
24-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.42	Ordinary	3,930	3,930
29-Jan-19	Vanguard Investments Australia Ltd.	SELL	6.41	Ordinary	(21,932)	(21,932)
29-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.42	Ordinary	20,391	20,391
30-Jan-19	Vanguard Investments Australia Ltd.	BUY	6.52	Ordinary	2,524	2,524
4-Feb-19	Vanguard Investments Australia Ltd.	BUY	6.75	Ordinary	24,925	24,925
5-Feb-19	Vanguard Investments Australia Ltd.	SELL	6.80	Ordinary	(44,100)	(44,100)
6-Feb-19	Vanguard Investments Australia Ltd.	BUY	6.75	Ordinary	26,643	26,643

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7-Feb-19	Vanguard Investments Australia Ltd.	BUY	6.81	Ordinary	12,816	12,816
12-Feb-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	6,422	6,422
13-Feb-19	Vanguard Investments Australia Ltd.	BUY	6.98	Ordinary	23,824	23,824
19-Feb-19	Vanguard Investments Australia Ltd.	BUY	7.02	Ordinary	6,930	6,930
19-Feb-19	Vanguard Investments Australia Ltd.	BUY	7.02	Ordinary	3,863	3,863
25-Feb-19	Vanguard Investments Australia Ltd.	BUY	7.25	Ordinary	19,261	19,261
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	7.16	Ordinary	9,666	9,666
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	7.16	Ordinary	6,300	6,300
28-Feb-19	Vanguard Investments Australia Ltd.	SELL	7.12	Ordinary	(14,696)	(14,696)
5-Mar-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	40,320	40,320
11-Mar-19	Vanguard Investments Australia Ltd.	SELL	7.03	Ordinary	(10,142)	(10,142)
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	2,219	2,219
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	15,985	15,985
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	4,284	4,284
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	30,854	30,854
15-Mar-19	Vanguard Investments Australia Ltd.	SELL	7.09	Ordinary	(4,794)	(4,794)
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	17,645	17,645
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	2,450	2,450
21-Mar-19	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	27,359	27,359
27-Mar-19	Vanguard Investments Australia Ltd.	BUY	7.29	Ordinary	4,341	4,341
1-Apr-19	Vanguard Investments Australia Ltd.	BUY	7.23	Ordinary	2,209	2,209
1-Apr-19	Vanguard Investments Australia Ltd.	SELL	7.23	Ordinary	(39,780)	(39,780)
1-Apr-19	Vanguard Investments Australia Ltd.	BUY	7.23	Ordinary	20,958	20,958
2-Apr-19	Vanguard Investments Australia Ltd.	BUY	7.26	Ordinary	24,225	24,225
2-Apr-19	Vanguard Investments Australia Ltd.	BUY	7.26	Ordinary	17,959	17,959
2-Apr-19	Vanguard Investments Australia Ltd.	BUY	7.20	Ordinary	4,340	4,340
5-Apr-19	Vanguard Investments Australia Ltd.	SELL	7.03	Ordinary	(61,683)	(61,683)
8-Apr-19	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	4,960	4,960
9-Apr-19	Vanguard Investments Australia Ltd.	SELL	6.98	Ordinary	(3,084)	(3,084)
9-Apr-19	Vanguard Investments Australia Ltd.	BUY	6.98	Ordinary	196,560	196,560
12-Apr-19	Vanguard Investments Australia Ltd.	SELL	7.05	Ordinary	(2,665)	(2,665)
16-Apr-19	Vanguard Investments Australia Ltd.	SELL	6.89	Ordinary	(58,970)	(58,970)
16-Apr-19	Vanguard Investments Australia Ltd.	BUY	6.89	Ordinary	34,234	34,234
26-Apr-19	Vanguard Investments Australia Ltd.	SELL	7.03	Ordinary	(21,395)	(21,395)
30-Apr-19	Vanguard Investments Australia Ltd.	BUY	7.00	Ordinary	7,272	7,272
1-May-19	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	1,861	1,861
1-May-19	Vanguard Investments Australia Ltd.	BUY	7.08	Ordinary	29,689	29,689
1-May-19	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	1,227	1,227
1-May-19	Vanguard Investments Australia Ltd.	BUY	7.08	Ordinary	19,556	19,556
1-May-19	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	2,290	2,290
1-May-19	Vanguard Investments Australia Ltd.	BUY	7.08	Ordinary	36,489	36,489
6-May-19	Vanguard Investments Australia Ltd.	BUY	7.12	Ordinary	12,857	12,857
8-May-19	Vanguard Investments Australia Ltd.	BUY	6.95	Ordinary	4,267	4,267
10-May-19	Vanguard Investments Australia Ltd.	BUY	7.13	Ordinary	5,321	5,321
10-May-19	Vanguard Investments Australia Ltd.	BUY	7.13	Ordinary	4,131	4,131
10-May-19	Vanguard Investments Australia Ltd.	BUY	7.16	Ordinary	5,247	5,247
16-May-19	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	20,359	20,359
17-May-19	Vanguard Investments Australia Ltd.	BUY	7.36	Ordinary	5,940	5,940
21-May-19	Vanguard Investments Australia Ltd.	BUY	7.19	Ordinary	5,940	5,940
27-May-19	Vanguard Investments Australia Ltd.	SELL	7.27	Ordinary	(13,422)	(13,422)
28-May-19	Vanguard Investments Australia Ltd.	SELL	7.32	Ordinary	(18,488)	(18,488)
28-May-19	Vanguard Investments Australia Ltd.	BUY	7.32	Ordinary	6,470	6,470
29-May-19	Vanguard Investments Australia Ltd.	SELL	7.20	Ordinary	(12,669)	(12,669)
29-May-19	Vanguard Investments Australia Ltd.	BUY	7.23	Ordinary	6,214	6,214
30-May-19	Vanguard Investments Australia Ltd.	BUY	7.12	Ordinary	37,153	37,153
31-May-19	Vanguard Investments Australia Ltd.	SELL	7.08	Ordinary	(8,651)	(8,651)
3-Jun-19	Vanguard Investments Australia Ltd.	SELL	7.05	Ordinary	(16,075)	(16,075)
3-Jun-19	Vanguard Investments Australia Ltd.	SELL	7.05	Ordinary	(7,250)	(7,250)
4-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.00	Ordinary	6,470	6,470
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.18	Ordinary	7,764	7,764
7-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.29	Ordinary	36,713	36,713
7-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	27,097	27,097
12-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.58	Ordinary	22,186	22,186
12-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.51	Ordinary	4,352	4,352
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.73	Ordinary	6,212	6,212
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.73	Ordinary	5,360	5,360
20-Jun-19	Vanguard Investments Australia Ltd.	SELL	8.12	Ordinary	(16,259)	(16,259)
21-Jun-19	Vanguard Investments Australia Ltd.	SELL	8.14	Ordinary	(9,920)	(9,920)
21-Jun-19	Vanguard Investments Australia Ltd.	SELL	8.14	Ordinary	(4,517)	(4,517)

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	8.14	Ordinary	3,888	3,888
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	8.14	Ordinary	7,404	7,404
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	8.14	Ordinary	12,586	12,586
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	8.14	Ordinary	8,410	8,410
25-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.97	Ordinary	6,244	6,244
27-Jun-19	Vanguard Investments Australia Ltd.	SELL	7.89	Ordinary	(2,965)	(2,965)
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.89	Ordinary	4,536	4,536
28-Jun-19	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	4,665	4,665
28-Jun-19	Vanguard Investments Australia Ltd.	SELL	7.84	Ordinary	(7,588)	(7,588)
2-Jul-19	Vanguard Investments Australia Ltd.	BUY	7.89	Ordinary	7,776	7,776
8-Jul-19	Vanguard Investments Australia Ltd.	BUY	8.00	Ordinary	3,888	3,888
9-Jul-19	Vanguard Investments Australia Ltd.	BUY	7.85	Ordinary	3,888	3,888
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	7.90	Ordinary	4,697	4,697
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	7.88	Ordinary	3,918	3,918
12-Jul-19	Vanguard Investments Australia Ltd.	BUY	7.74	Ordinary	4,534	4,534
15-Jul-19	Vanguard Investments Australia Ltd.	BUY	7.68	Ordinary	22,810	22,810
16-Jul-19	Vanguard Investments Australia Ltd.	BUY	7.69	Ordinary	12,920	12,920
16-Jul-19	Vanguard Investments Australia Ltd.	BUY	7.67	Ordinary	7,824	7,824
16-Jul-19	Vanguard Investments Australia Ltd.	BUY	7.67	Ordinary	20,757	20,757
18-Jul-19	Vanguard Investments Australia Ltd.	SELL	7.87	Ordinary	(3,679)	(3,679)
18-Jul-19	Vanguard Investments Australia Ltd.	BUY	7.87	Ordinary	9,213	9,213
22-Jul-19	Vanguard Investments Australia Ltd.	SELL	7.87	Ordinary	(409,187)	(409,187)
30-Jul-19	Vanguard Investments Australia Ltd.	BUY	8.16	Ordinary	7,029	7,029
31-Jul-19	Vanguard Investments Australia Ltd.	SELL	8.19	Ordinary	(10,713)	(10,713)
1-Aug-19	Vanguard Investments Australia Ltd.	SELL	8.32	Ordinary	(4,506)	(4,506)
2-Aug-19	Vanguard Investments Australia Ltd.	SELL	8.43	Ordinary	(17,677)	(17,677)
5-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.08	Ordinary	6,134	6,134
5-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.08	Ordinary	4,394	4,394
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	7.94	Ordinary	8,213	8,213
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	7.94	Ordinary	5,805	5,805
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	7.94	Ordinary	5,805	5,805
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	7.94	Ordinary	19,730	19,730
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.16	Ordinary	7,117	7,117
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.16	Ordinary	19,222	19,222
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	15,555	15,555
12-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.16	Ordinary	7,150	7,150
13-Aug-19	Vanguard Investments Australia Ltd.	SELL	8.23	Ordinary	(10,357)	(10,357)
14-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	23,690	23,690
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.04	Ordinary	31,207	31,207
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	261,225	261,225
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	8,076	8,076
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.34	Ordinary	11,780	11,780
29-Aug-19	Vanguard Investments Australia Ltd.	SELL	8.52	Ordinary	(12,624)	(12,624)
30-Aug-19	Vanguard Investments Australia Ltd.	BUY	8.50	Ordinary	18,885	18,885
30-Aug-19	Vanguard Investments Australia Ltd.	SELL	8.50	Ordinary	(15,560)	(15,560)
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	8.39	Ordinary	6,316	6,316
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	8.39	Ordinary	14,388	14,388
3-Sep-19	Vanguard Investments Australia Ltd.	BUY	8.34	Ordinary	68,200	68,200
4-Sep-19	Vanguard Investments Australia Ltd.	BUY	8.24	Ordinary	12,273	12,273
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	8.28	Ordinary	5,001	5,001
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	8.28	Ordinary	32,855	32,855
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	8.28	Ordinary	7,608	7,608
6-Sep-19	Vanguard Investments Australia Ltd.	BUY	8.41	Ordinary	7,038	7,038
10-Sep-19	Vanguard Investments Australia Ltd.	BUY	8.06	Ordinary	9,510	9,510
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	7.70	Ordinary	13,689	13,689
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	7.70	Ordinary	12,464	12,464
18-Sep-19	Vanguard Investments Australia Ltd.	BUY	7.75	Ordinary	5,228	5,228
20-Sep-19	Vanguard Investments Australia Ltd.	BUY	7.91	Ordinary	6,550	6,550
23-Sep-19	Vanguard Investments Australia Ltd.	BUY	7.89	Ordinary	9,690	9,690
25-Sep-19	Vanguard Investments Australia Ltd.	SELL	7.87	Ordinary	(9,215)	(9,215)
25-Sep-19	Vanguard Investments Australia Ltd.	BUY	7.87	Ordinary	9,086	9,086
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	7.77	Ordinary	9,516	9,516
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	7.77	Ordinary	7,776	7,776
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	7.99	Ordinary	21,397	21,397
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	7.93	Ordinary	7,033	7,033
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	7.93	Ordinary	12,065	12,065
2-Oct-19	Vanguard Investments Australia Ltd.	SELL	7.93	Ordinary	(15,240)	(15,240)
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.00	Ordinary	3,603	3,603
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.00	Ordinary	12,723	12,723

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4-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.00	Ordinary	10,693	10,693
7-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.04	Ordinary	14,549	14,549
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.04	Ordinary	12,676	12,676
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.04	Ordinary	12,676	12,676
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.04	Ordinary	4,960	4,960
14-Oct-19	Vanguard Investments Australia Ltd.	BUY	7.99	Ordinary	90,465	90,465
16-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.15	Ordinary	107,205	107,205
17-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.27	Ordinary	7,767	7,767
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.27	Ordinary	44,366	44,366
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.27	Ordinary	6,300	6,300
21-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.24	Ordinary	15,189	15,189
22-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.33	Ordinary	6,320	6,320
22-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.33	Ordinary	30,798	30,798
23-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.42	Ordinary	12,005	12,005
28-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.22	Ordinary	6,390	6,390
30-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.02	Ordinary	21,680	21,680
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.03	Ordinary	12,106	12,106
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.03	Ordinary	15,384	15,384
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	8.04	Ordinary	13,127	13,127
31-Oct-19	Vanguard Investments Australia Ltd.	SELL	8.03	Ordinary	(7,692)	(7,692)
1-Nov-19	Vanguard Investments Australia Ltd.	SELL	8.15	Ordinary	(14,196)	(14,196)
1-Nov-19	Vanguard Investments Australia Ltd.	SELL	8.14	Ordinary	(83,309)	(83,309)
4-Nov-19	Vanguard Investments Australia Ltd.	SELL	8.13	Ordinary	(107,126)	(107,126)
4-Nov-19	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	27,274	27,274
5-Nov-19	Vanguard Investments Australia Ltd.	SELL	8.05	Ordinary	(18,404)	(18,404)
5-Nov-19	Vanguard Investments Australia Ltd.	BUY	8.05	Ordinary	7,644	7,644
7-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.85	Ordinary	8,948	8,948
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	25,320	25,320
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	12,660	12,660
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	22,155	22,155
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.87	Ordinary	15,376	15,376
12-Nov-19	Vanguard Investments Australia Ltd.	SELL	7.81	Ordinary	(4,681)	(4,681)
12-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.81	Ordinary	7,073	7,073
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.79	Ordinary	9,525	9,525
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.79	Ordinary	1,911	1,911
15-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.75	Ordinary	10,333	10,333
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	25,360	25,360
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	15,850	15,850
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	8,333	8,333
20-Nov-19	Vanguard Investments Australia Ltd.	SELL	7.64	Ordinary	(49,410)	(49,410)
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.64	Ordinary	4,487	4,487
21-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.64	Ordinary	13,461	13,461
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	37,642	37,642
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	15,913	15,913
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	70,982	70,982
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	100,016	100,016
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	42,280	42,280
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	7,242	7,242
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	153,079	153,079
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	354,870	354,870
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	1,100	1,100
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	23,252	23,252
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	53,903	53,903
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	40,598	40,598
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	17,162	17,162
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	90,788	90,788
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	38,379	38,379
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	186,783	186,783
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	498,657	498,657
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	210,801	210,801
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	13,477	13,477
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	5,697	5,697
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	226,234	226,234
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	95,637	95,637
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	523,934	523,934
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	221,486	221,486
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.85	Ordinary	33,858	33,858
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.85	Ordinary	18,810	18,810
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	173,556	173,556

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25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	1,179,507	1,179,507
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	497,538	497,538
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	35,578	35,578
26-Nov-19	Vanguard Investments Australia Ltd.	SELL	7.93	Ordinary	(19,667)	(19,667)
26-Nov-19	Vanguard Investments Australia Ltd.	SELL	7.93	Ordinary	(13,994)	(13,994)
26-Nov-19	Vanguard Investments Australia Ltd.	SELL	7.93	Ordinary	(43,479)	(43,479)
29-Nov-19	Vanguard Investments Australia Ltd.	SELL	7.65	Ordinary	(17,436)	(17,436)
29-Nov-19	Vanguard Investments Australia Ltd.	BUY	7.65	Ordinary	9,120	9,120
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.58	Ordinary	38,439	38,439
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.48	Ordinary	16,720	16,720
6-Dec-19	Vanguard Investments Australia Ltd.	SELL	7.54	Ordinary	(231,507)	(231,507)
6-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.66	Ordinary	231,507	231,507
6-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.63	Ordinary	150,000	150,000
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.68	Ordinary	9,828	9,828
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.68	Ordinary	5,907	5,907
10-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.59	Ordinary	22,998	22,998
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.64	Ordinary	15,887	15,887
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.64	Ordinary	47,174	47,174
12-Dec-19	Vanguard Investments Australia Ltd.	SELL	7.68	Ordinary	(8,267)	(8,267)
13-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.51	Ordinary	8,180	8,180
16-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.70	Ordinary	10,887	10,887
17-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.70	Ordinary	117,961	117,961
18-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.70	Ordinary	66,485	66,485
18-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	11,550	11,550
19-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.73	Ordinary	79,052	79,052
19-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.71	Ordinary	136,988	136,988
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	9,144	9,144
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	1,191	1,191
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	4,114	4,114
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	536	536
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	60,997	60,997
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	7,945	7,945
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	14,303	14,303
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	1,863	1,863
20-Dec-19	Vanguard Investments Australia Ltd.	SELL	7.85	Ordinary	(4,695)	(4,695)
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	652,702	652,702
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	85,019	85,019
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	8,731	8,731
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	1,137	1,137
23-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.97	Ordinary	17,201	17,201
23-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.97	Ordinary	184,065	184,065
24-Dec-19	Vanguard Investments Australia Ltd.	BUY	8.01	Ordinary	10,426	10,426
24-Dec-19	Vanguard Investments Australia Ltd.	BUY	8.01	Ordinary	111,566	111,566
24-Dec-19	Vanguard Investments Australia Ltd.	BUY	8.02	Ordinary	8,010	8,010
27-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	7,246	7,246
27-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	2,091	2,091
30-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.97	Ordinary	14,661	14,661
30-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.98	Ordinary	6,592	6,592
30-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	24,594	24,594
31-Dec-19	Vanguard Investments Australia Ltd.	SELL	7.83	Ordinary	(12,888)	(12,888)
31-Dec-19	Vanguard Investments Australia Ltd.	BUY	7.83	Ordinary	4,120	4,120
2-Jan-20	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	2,764	2,764
2-Jan-20	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	9,804	9,804
3-Jan-20	Vanguard Investments Australia Ltd.	BUY	7.90	Ordinary	36,906	36,906
3-Jan-20	Vanguard Investments Australia Ltd.	SELL	7.90	Ordinary	(57,840)	(57,840)
3-Jan-20	Vanguard Investments Australia Ltd.	BUY	7.90	Ordinary	5,448	5,448
6-Jan-20	Vanguard Investments Australia Ltd.	BUY	7.91	Ordinary	10,992	10,992
7-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.05	Ordinary	4,926	4,926
7-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.04	Ordinary	48,691	48,691
8-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.00	Ordinary	12,300	12,300
9-Jan-20	Vanguard Investments Australia Ltd.	SELL	8.07	Ordinary	(6,568)	(6,568)
13-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.07	Ordinary	10,683	10,683
13-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.07	Ordinary	12,330	12,330
14-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.17	Ordinary	48,984	48,984
14-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.17	Ordinary	10,683	10,683
17-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.18	Ordinary	2,070	2,070
21-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.05	Ordinary	12,315	12,315
23-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.00	Ordinary	2,070	2,070
29-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.15	Ordinary	2,760	2,760

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
30-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.07	Ordinary	12,135	12,135
31-Jan-20	Vanguard Investments Australia Ltd.	SELL	8.13	Ordinary	(41,322)	(41,322)
31-Jan-20	Vanguard Investments Australia Ltd.	BUY	8.14	Ordinary	10,471	10,471
3-Feb-20	Vanguard Investments Australia Ltd.	SELL	8.03	Ordinary	(8,625)	(8,625)
3-Feb-20	Vanguard Investments Australia Ltd.	SELL	8.03	Ordinary	(3,641)	(3,641)
3-Feb-20	Vanguard Investments Australia Ltd.	SELL	8.03	Ordinary	(3,839)	(3,839)
7-Feb-20	Vanguard Investments Australia Ltd.	BUY	8.20	Ordinary	8,100	8,100
10-Feb-20	Vanguard Investments Australia Ltd.	BUY	8.22	Ordinary	36,936	36,936
11-Feb-20	Vanguard Investments Australia Ltd.	BUY	8.37	Ordinary	16,200	16,200
11-Feb-20	Vanguard Investments Australia Ltd.	BUY	8.38	Ordinary	26,909	26,909
13-Feb-20	Vanguard Investments Australia Ltd.	SELL	8.33	Ordinary	(3,450)	(3,450)
17-Feb-20	Vanguard Investments Australia Ltd.	SELL	8.45	Ordinary	(12,703)	(12,703)
26-Feb-20	Vanguard Investments Australia Ltd.	SELL	8.02	Ordinary	(4,815)	(4,815)
26-Feb-20	Vanguard Investments Australia Ltd.	BUY	7.97	Ordinary	13,040	13,040
27-Feb-20	Vanguard Investments Australia Ltd.	BUY	8.15	Ordinary	64,335	64,335
28-Feb-20	Vanguard Investments Australia Ltd.	BUY	8.03	Ordinary	29,699	29,699
28-Feb-20	Vanguard Investments Australia Ltd.	SELL	8.02	Ordinary	(17,843)	(17,843)
28-Feb-20	Vanguard Investments Australia Ltd.	BUY	8.03	Ordinary	74,480	74,480
28-Feb-20	Vanguard Investments Australia Ltd.	BUY	8.02	Ordinary	12,225	12,225
2-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.90	Ordinary	64,546	64,546
2-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.90	Ordinary	11,436	11,436
2-Mar-20	Vanguard Investments Australia Ltd.	SELL	7.90	Ordinary	(6,815)	(6,815)
3-Mar-20	Vanguard Investments Australia Ltd.	BUY	8.19	Ordinary	2,088	2,088
3-Mar-20	Vanguard Investments Australia Ltd.	BUY	8.19	Ordinary	21,951	21,951
4-Mar-20	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	2,784	2,784
4-Mar-20	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	13,838	13,838
5-Mar-20	Vanguard Investments Australia Ltd.	SELL	7.98	Ordinary	(3,518)	(3,518)
5-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.98	Ordinary	7,690	7,690
5-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.98	Ordinary	2,800	2,800
5-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.98	Ordinary	22,735	22,735
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.30	Ordinary	4,200	4,200
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.30	Ordinary	3,500	3,500
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.30	Ordinary	5,407	5,407
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.30	Ordinary	28,805	28,805
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.30	Ordinary	33,613	33,613
10-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.19	Ordinary	41,953	41,953
10-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.19	Ordinary	8,824	8,824
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	7.14	Ordinary	5,514	5,514
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.99	Ordinary	90,040	90,040
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.99	Ordinary	6,300	6,300
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.99	Ordinary	4,200	4,200
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.99	Ordinary	16,480	16,480
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.99	Ordinary	20,600	20,600
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.29	Ordinary	10,931	10,931
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	2,800	2,800
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	14,093	14,093
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	24,870	24,870
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	85,041	85,041
13-Mar-20	Vanguard Investments Australia Ltd.	SELL	6.10	Ordinary	(13,934)	(13,934)
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	28,328	28,328
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	5,600	5,600
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	24,810	24,810
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	51,589	51,589
16-Mar-20	Vanguard Investments Australia Ltd.	BUY	4.98	Ordinary	12,484	12,484
16-Mar-20	Vanguard Investments Australia Ltd.	BUY	4.98	Ordinary	28,945	28,945
16-Mar-20	Vanguard Investments Australia Ltd.	BUY	4.98	Ordinary	8,569	8,569
17-Mar-20	Vanguard Investments Australia Ltd.	SELL	5.38	Ordinary	(20,030)	(20,030)
17-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.38	Ordinary	5,608	5,608
17-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.38	Ordinary	4,206	4,206
17-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.38	Ordinary	21,125	21,125
18-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.05	Ordinary	25,560	25,560
18-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.05	Ordinary	34,276	34,276
19-Mar-20	Vanguard Investments Australia Ltd.	SELL	5.07	Ordinary	(24,549)	(24,549)
19-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.10	Ordinary	2,103	2,103
19-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.10	Ordinary	19,435	19,435
20-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.26	Ordinary	469,833	469,833
20-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.26	Ordinary	26,970	26,970
23-Mar-20	Vanguard Investments Australia Ltd.	SELL	4.46	Ordinary	(18,243)	(18,243)
23-Mar-20	Vanguard Investments Australia Ltd.	BUY	4.33	Ordinary	12,082	12,082

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
26-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.27	Ordinary	12,795	12,795
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.34	Ordinary	8,989	8,989
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.31	Ordinary	1	1
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.34	Ordinary	20,872	20,872
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.31	Ordinary	1	1
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.34	Ordinary	3,567	3,567
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.34	Ordinary	4,335	4,335
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.34	Ordinary	21,859	21,859
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.31	Ordinary	2	2
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.34	Ordinary	30,278	30,278
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.31	Ordinary	2	2
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.34	Ordinary	7,031	7,031
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.31	Ordinary	1	1
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.32	Ordinary	21,225	21,225
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.34	Ordinary	6,904	6,904
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	5.31	Ordinary	1	1
27-Mar-20	Vanguard Investments Australia Ltd.	SELL	5.32	Ordinary	(22,923)	(22,923)

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

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 01 April 2020
