

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme Wesfarmers Limited
ACN/ARSN 008 984 049

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 30 October 2019

The previous notice was given to the company on 07 September 2017

The previous notice was dated 07 September 2017

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	56,712,668	5.002%	68,090,148	6.005%

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 – 3,034,528	3,034,528
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 – 4,801,937	4,801,937
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 – 33,127,321	33,127,321
Vanguard Group	Citibank	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 – 17,022	17,022
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 – 8,117,172	8,117,172
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 – 18,992,168	18,992,168

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 04 November 2019

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
ACN/ARSN

Wesfarmers Limited
008 984 049

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
6-Sep-2017	The Vanguard Group, Inc.	BUY	42.31	Ordinary	10,990	10,990
6-Sep-2017	The Vanguard Group, Inc.	BUY	42.31	Ordinary	2,198	2,198
7-Sep-2017	The Vanguard Group, Inc.	BUY	41.99	Ordinary	2,268	2,268
7-Sep-2017	The Vanguard Group, Inc.	BUY	41.99	Ordinary	846	846
7-Sep-2017	The Vanguard Group, Inc.	BUY	41.99	Ordinary	303	303
8-Sep-2017	The Vanguard Group, Inc.	BUY	42.14	Ordinary	1,049	1,049
11-Sep-2017	The Vanguard Group, Inc.	SELL	42.44	Ordinary	(5,149)	(5,149)
12-Sep-2017	The Vanguard Group, Inc.	BUY	42.54	Ordinary	2,715	2,715
15-Sep-2017	The Vanguard Group, Inc.	SELL	41.43	Ordinary	(119,849)	(119,849)
15-Sep-2017	The Vanguard Group, Inc.	BUY	41.43	Ordinary	9,499	9,499
15-Sep-2017	The Vanguard Group, Inc.	SELL	41.43	Ordinary	(17,753)	(17,753)
15-Sep-2017	The Vanguard Group, Inc.	SELL	41.43	Ordinary	(889)	(889)
15-Sep-2017	The Vanguard Group, Inc.	SELL	41.43	Ordinary	(542)	(542)
15-Sep-2017	The Vanguard Group, Inc.	SELL	41.43	Ordinary	(61)	(61)
18-Sep-2017	The Vanguard Group, Inc.	BUY	41.27	Ordinary	1,484	1,484
19-Sep-2017	The Vanguard Group, Inc.	BUY	41.22	Ordinary	34,698	34,698
19-Sep-2017	The Vanguard Group, Inc.	SELL	41.14	Ordinary	(1,606)	(1,606)
19-Sep-2017	The Vanguard Group, Inc.	BUY	41.14	Ordinary	1,159	1,159
20-Sep-2017	The Vanguard Group, Inc.	SELL	41.26	Ordinary	(68)	(68)
21-Sep-2017	The Vanguard Group, Inc.	BUY	41.00	Ordinary	15,020	15,020
21-Sep-2017	The Vanguard Group, Inc.	BUY	40.95	Ordinary	2,226	2,226
22-Sep-2017	The Vanguard Group, Inc.	BUY	41.21	Ordinary	11,201	11,201
22-Sep-2017	The Vanguard Group, Inc.	BUY	41.21	Ordinary	561	561
25-Sep-2017	The Vanguard Group, Inc.	BUY	41.07	Ordinary	7,632	7,632
25-Sep-2017	The Vanguard Group, Inc.	BUY	41.07	Ordinary	13,992	13,992
26-Sep-2017	The Vanguard Group, Inc.	BUY	41.21	Ordinary	27,212	27,212
26-Sep-2017	The Vanguard Group, Inc.	BUY	41.21	Ordinary	11,455	11,455
26-Sep-2017	The Vanguard Group, Inc.	BUY	41.27	Ordinary	8,904	8,904
26-Sep-2017	The Vanguard Group, Inc.	BUY	41.14	Ordinary	480	480
27-Sep-2017	The Vanguard Group, Inc.	BUY	41.10	Ordinary	2,240	2,240
27-Sep-2017	The Vanguard Group, Inc.	SELL	41.04	Ordinary	(960)	(960)
27-Sep-2017	The Vanguard Group, Inc.	SELL	41.04	Ordinary	(2,395)	(2,395)
27-Sep-2017	The Vanguard Group, Inc.	BUY	41.04	Ordinary	2,395	2,395
29-Sep-2017	The Vanguard Group, Inc.	BUY	41.33	Ordinary	916	916
2-Oct-2017	The Vanguard Group, Inc.	BUY	41.35	Ordinary	8,904	8,904
2-Oct-2017	The Vanguard Group, Inc.	BUY	41.35	Ordinary	17,808	17,808
2-Oct-2017	The Vanguard Group, Inc.	BUY	41.35	Ordinary	8,290	8,290
2-Oct-2017	The Vanguard Group, Inc.	BUY	41.35	Ordinary	8,290	8,290
2-Oct-2017	The Vanguard Group, Inc.	BUY	41.50	Ordinary	845	845
3-Oct-2017	The Vanguard Group, Inc.	BUY	41.09	Ordinary	44,557	44,557
3-Oct-2017	The Vanguard Group, Inc.	BUY	41.09	Ordinary	7,042	7,042
4-Oct-2017	The Vanguard Group, Inc.	BUY	40.94	Ordinary	16,536	16,536
4-Oct-2017	The Vanguard Group, Inc.	BUY	40.94	Ordinary	10,176	10,176
5-Oct-2017	The Vanguard Group, Inc.	BUY	41.10	Ordinary	15,634	15,634
6-Oct-2017	The Vanguard Group, Inc.	BUY	40.96	Ordinary	5,495	5,495
6-Oct-2017	The Vanguard Group, Inc.	BUY	41.06	Ordinary	23,995	23,995
6-Oct-2017	The Vanguard Group, Inc.	BUY	40.96	Ordinary	7,632	7,632
6-Oct-2017	The Vanguard Group, Inc.	BUY	40.96	Ordinary	1,251	1,251
6-Oct-2017	The Vanguard Group, Inc.	BUY	40.97	Ordinary	1,440	1,440
6-Oct-2017	The Vanguard Group, Inc.	BUY	40.97	Ordinary	1,965	1,965
9-Oct-2017	The Vanguard Group, Inc.	BUY	41.07	Ordinary	7,632	7,632
9-Oct-2017	The Vanguard Group, Inc.	BUY	41.07	Ordinary	2,502	2,502
9-Oct-2017	The Vanguard Group, Inc.	BUY	41.07	Ordinary	4,145	4,145
10-Oct-2017	The Vanguard Group, Inc.	BUY	41.22	Ordinary	2,800	2,800
10-Oct-2017	The Vanguard Group, Inc.	BUY	41.12	Ordinary	7,498	7,498
10-Oct-2017	The Vanguard Group, Inc.	SELL	41.06	Ordinary	(298)	(298)
10-Oct-2017	The Vanguard Group, Inc.	SELL	41.19	Ordinary	(2,671)	(2,671)
10-Oct-2017	The Vanguard Group, Inc.	BUY	41.19	Ordinary	300	300
11-Oct-2017	The Vanguard Group, Inc.	BUY	41.37	Ordinary	22,258	22,258
11-Oct-2017	The Vanguard Group, Inc.	BUY	41.45	Ordinary	1,251	1,251
11-Oct-2017	The Vanguard Group, Inc.	BUY	41.45	Ordinary	480	480
12-Oct-2017	The Vanguard Group, Inc.	BUY	41.99	Ordinary	1,668	1,668

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-Oct-2017	The Vanguard Group, Inc.	BUY	42.00	Ordinary	490	490
13-Oct-2017	The Vanguard Group, Inc.	BUY	42.24	Ordinary	1,484	1,484
13-Oct-2017	The Vanguard Group, Inc.	SELL	42.31	Ordinary	(26,374)	(26,374)
17-Oct-2017	The Vanguard Group, Inc.	BUY	42.60	Ordinary	1,251	1,251
17-Oct-2017	The Vanguard Group, Inc.	BUY	42.60	Ordinary	3,316	3,316
17-Oct-2017	The Vanguard Group, Inc.	BUY	42.60	Ordinary	181	181
18-Oct-2017	The Vanguard Group, Inc.	BUY	42.74	Ordinary	2,240	2,240
18-Oct-2017	The Vanguard Group, Inc.	BUY	42.74	Ordinary	1,484	1,484
19-Oct-2017	The Vanguard Group, Inc.	BUY	42.90	Ordinary	6,005	6,005
19-Oct-2017	The Vanguard Group, Inc.	BUY	42.92	Ordinary	17,808	17,808
19-Oct-2017	The Vanguard Group, Inc.	BUY	42.92	Ordinary	1,251	1,251
20-Oct-2017	The Vanguard Group, Inc.	BUY	43.16	Ordinary	1,484	1,484
20-Oct-2017	The Vanguard Group, Inc.	BUY	43.10	Ordinary	395	395
23-Oct-2017	The Vanguard Group, Inc.	BUY	42.72	Ordinary	10,491	10,491
23-Oct-2017	The Vanguard Group, Inc.	SELL	42.95	Ordinary	(7,767)	(7,767)
23-Oct-2017	The Vanguard Group, Inc.	SELL	42.78	Ordinary	(352)	(352)
24-Oct-2017	The Vanguard Group, Inc.	SELL	42.81	Ordinary	(489)	(489)
25-Oct-2017	The Vanguard Group, Inc.	BUY	42.11	Ordinary	45,236	45,236
25-Oct-2017	The Vanguard Group, Inc.	BUY	41.49	Ordinary	2,249	2,249
26-Oct-2017	The Vanguard Group, Inc.	BUY	41.63	Ordinary	12,892	12,892
26-Oct-2017	The Vanguard Group, Inc.	BUY	41.81	Ordinary	10,176	10,176
26-Oct-2017	The Vanguard Group, Inc.	BUY	41.81	Ordinary	1,484	1,484
27-Oct-2017	The Vanguard Group, Inc.	BUY	41.67	Ordinary	10,450	10,450
27-Oct-2017	The Vanguard Group, Inc.	BUY	41.59	Ordinary	643	643
30-Oct-2017	The Vanguard Group, Inc.	BUY	41.69	Ordinary	1,120	1,120
30-Oct-2017	The Vanguard Group, Inc.	SELL	41.52	Ordinary	(10,482)	(10,482)
30-Oct-2017	The Vanguard Group, Inc.	BUY	41.72	Ordinary	8,403	8,403
31-Oct-2017	The Vanguard Group, Inc.	BUY	41.74	Ordinary	15,661	15,661
31-Oct-2017	The Vanguard Group, Inc.	BUY	41.85	Ordinary	2,800	2,800
31-Oct-2017	The Vanguard Group, Inc.	BUY	41.85	Ordinary	1,293	1,293
1-Nov-2017	The Vanguard Group, Inc.	BUY	42.20	Ordinary	2,800	2,800
1-Nov-2017	The Vanguard Group, Inc.	SELL	42.24	Ordinary	(5,325)	(5,325)
1-Nov-2017	The Vanguard Group, Inc.	BUY	42.24	Ordinary	872	872
1-Nov-2017	The Vanguard Group, Inc.	SELL	41.86	Ordinary	(783)	(783)
2-Nov-2017	The Vanguard Group, Inc.	BUY	42.48	Ordinary	3,294	3,294
2-Nov-2017	The Vanguard Group, Inc.	BUY	42.48	Ordinary	15,419	15,419
2-Nov-2017	The Vanguard Group, Inc.	BUY	42.45	Ordinary	6,360	6,360
2-Nov-2017	The Vanguard Group, Inc.	BUY	42.45	Ordinary	3,228	3,228
2-Nov-2017	The Vanguard Group, Inc.	BUY	42.48	Ordinary	2,807	2,807
3-Nov-2017	The Vanguard Group, Inc.	BUY	42.54	Ordinary	14,429	14,429
3-Nov-2017	The Vanguard Group, Inc.	BUY	42.51	Ordinary	10,176	10,176
3-Nov-2017	The Vanguard Group, Inc.	BUY	42.54	Ordinary	2,093	2,093
6-Nov-2017	The Vanguard Group, Inc.	BUY	42.46	Ordinary	7,632	7,632
7-Nov-2017	The Vanguard Group, Inc.	BUY	42.67	Ordinary	15,783	15,783
7-Nov-2017	The Vanguard Group, Inc.	BUY	42.67	Ordinary	2,587	2,587
7-Nov-2017	The Vanguard Group, Inc.	BUY	42.62	Ordinary	13,239	13,239
8-Nov-2017	The Vanguard Group, Inc.	BUY	42.73	Ordinary	5,649	5,649
8-Nov-2017	The Vanguard Group, Inc.	BUY	42.73	Ordinary	1,484	1,484
9-Nov-2017	The Vanguard Group, Inc.	BUY	43.07	Ordinary	5,495	5,495
10-Nov-2017	The Vanguard Group, Inc.	BUY	43.21	Ordinary	12,089	12,089
10-Nov-2017	The Vanguard Group, Inc.	BUY	43.06	Ordinary	25,623	25,623
10-Nov-2017	The Vanguard Group, Inc.	BUY	43.21	Ordinary	12,105	12,105
14-Nov-2017	The Vanguard Group, Inc.	BUY	43.01	Ordinary	3,619	3,619
14-Nov-2017	The Vanguard Group, Inc.	BUY	43.17	Ordinary	4,842	4,842
14-Nov-2017	The Vanguard Group, Inc.	BUY	43.20	Ordinary	165	165
14-Nov-2017	The Vanguard Group, Inc.	BUY	43.01	Ordinary	534	534
15-Nov-2017	The Vanguard Group, Inc.	BUY	42.97	Ordinary	3,297	3,297
15-Nov-2017	The Vanguard Group, Inc.	BUY	43.15	Ordinary	15,084	15,084
16-Nov-2017	The Vanguard Group, Inc.	BUY	42.66	Ordinary	6,594	6,594
16-Nov-2017	The Vanguard Group, Inc.	BUY	43.04	Ordinary	45,512	45,512
16-Nov-2017	The Vanguard Group, Inc.	BUY	42.66	Ordinary	3,360	3,360
16-Nov-2017	The Vanguard Group, Inc.	BUY	42.66	Ordinary	1,293	1,293
16-Nov-2017	The Vanguard Group, Inc.	BUY	42.66	Ordinary	1,484	1,484
17-Nov-2017	The Vanguard Group, Inc.	BUY	42.28	Ordinary	5,880	5,880
20-Nov-2017	The Vanguard Group, Inc.	BUY	42.05	Ordinary	7,502	7,502
20-Nov-2017	The Vanguard Group, Inc.	BUY	42.51	Ordinary	4,035	4,035
20-Nov-2017	The Vanguard Group, Inc.	BUY	42.05	Ordinary	1,683	1,683
21-Nov-2017	The Vanguard Group, Inc.	BUY	42.49	Ordinary	2,226	2,226
21-Nov-2017	The Vanguard Group, Inc.	BUY	42.36	Ordinary	1,218	1,218

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
22-Nov-2017	The Vanguard Group, Inc.	BUY	42.79	Ordinary	518	518
24-Nov-2017	The Vanguard Group, Inc.	BUY	43.21	Ordinary	843	843
28-Nov-2017	The Vanguard Group, Inc.	BUY	43.76	Ordinary	1,452	1,452
30-Nov-2017	The Vanguard Group, Inc.	SELL	43.92	Ordinary	(2,696)	(2,696)
30-Nov-2017	The Vanguard Group, Inc.	SELL	43.92	Ordinary	(13,787)	(13,787)
30-Nov-2017	The Vanguard Group, Inc.	BUY	43.92	Ordinary	812	812
1-Dec-2017	The Vanguard Group, Inc.	BUY	43.99	Ordinary	21,123	21,123
4-Dec-2017	The Vanguard Group, Inc.	BUY	43.77	Ordinary	4,310	4,310
4-Dec-2017	The Vanguard Group, Inc.	BUY	43.99	Ordinary	1,373	1,373
5-Dec-2017	The Vanguard Group, Inc.	BUY	43.60	Ordinary	19,455	19,455
5-Dec-2017	The Vanguard Group, Inc.	SELL	43.76	Ordinary	(3,579)	(3,579)
5-Dec-2017	The Vanguard Group, Inc.	BUY	43.76	Ordinary	15,308	15,308
5-Dec-2017	The Vanguard Group, Inc.	BUY	43.60	Ordinary	5,139	5,139
6-Dec-2017	The Vanguard Group, Inc.	BUY	43.76	Ordinary	22,826	22,826
6-Dec-2017	The Vanguard Group, Inc.	BUY	43.91	Ordinary	6,360	6,360
6-Dec-2017	The Vanguard Group, Inc.	SELL	43.64	Ordinary	(2,500)	(2,500)
6-Dec-2017	The Vanguard Group, Inc.	BUY	43.91	Ordinary	1,724	1,724
7-Dec-2017	The Vanguard Group, Inc.	BUY	44.09	Ordinary	27,645	27,645
7-Dec-2017	The Vanguard Group, Inc.	BUY	44.09	Ordinary	494	494
8-Dec-2017	The Vanguard Group, Inc.	SELL	43.98	Ordinary	(1,910)	(1,910)
11-Dec-2017	The Vanguard Group, Inc.	BUY	44.02	Ordinary	4,760	4,760
11-Dec-2017	The Vanguard Group, Inc.	BUY	44.02	Ordinary	2,155	2,155
12-Dec-2017	The Vanguard Group, Inc.	BUY	43.79	Ordinary	1,452	1,452
13-Dec-2017	The Vanguard Group, Inc.	BUY	44.18	Ordinary	2,800	2,800
14-Dec-2017	The Vanguard Group, Inc.	BUY	44.34	Ordinary	15,264	15,264
15-Dec-2017	The Vanguard Group, Inc.	SELL	44.59	Ordinary	(80,367)	(80,367)
15-Dec-2017	The Vanguard Group, Inc.	BUY	44.59	Ordinary	8,257	8,257
15-Dec-2017	The Vanguard Group, Inc.	BUY	44.74	Ordinary	5,088	5,088
15-Dec-2017	The Vanguard Group, Inc.	SELL	44.59	Ordinary	(198)	(198)
15-Dec-2017	The Vanguard Group, Inc.	BUY	44.59	Ordinary	83	83
15-Dec-2017	The Vanguard Group, Inc.	BUY	44.59	Ordinary	1,271	1,271
18-Dec-2017	The Vanguard Group, Inc.	BUY	44.81	Ordinary	2,800	2,800
18-Dec-2017	The Vanguard Group, Inc.	SELL	44.77	Ordinary	(17,741)	(17,741)
18-Dec-2017	The Vanguard Group, Inc.	BUY	44.77	Ordinary	839	839
18-Dec-2017	The Vanguard Group, Inc.	BUY	44.77	Ordinary	608	608
19-Dec-2017	The Vanguard Group, Inc.	BUY	44.81	Ordinary	55,892	55,892
19-Dec-2017	The Vanguard Group, Inc.	SELL	44.90	Ordinary	(2,820)	(2,820)
19-Dec-2017	The Vanguard Group, Inc.	BUY	44.81	Ordinary	6,484	6,484
19-Dec-2017	The Vanguard Group, Inc.	BUY	44.79	Ordinary	444	444
20-Dec-2017	The Vanguard Group, Inc.	BUY	44.87	Ordinary	2,155	2,155
20-Dec-2017	The Vanguard Group, Inc.	SELL	44.94	Ordinary	(991)	(991)
20-Dec-2017	The Vanguard Group, Inc.	BUY	44.94	Ordinary	1,219	1,219
21-Dec-2017	The Vanguard Group, Inc.	SELL	44.69	Ordinary	(4,260)	(4,260)
21-Dec-2017	The Vanguard Group, Inc.	BUY	44.69	Ordinary	6,125	6,125
21-Dec-2017	The Vanguard Group, Inc.	BUY	44.69	Ordinary	1,724	1,724
21-Dec-2017	The Vanguard Group, Inc.	BUY	44.69	Ordinary	2,155	2,155
21-Dec-2017	The Vanguard Group, Inc.	BUY	44.69	Ordinary	15,460	15,460
21-Dec-2017	The Vanguard Group, Inc.	SELL	44.65	Ordinary	(1,116)	(1,116)
22-Dec-2017	The Vanguard Group, Inc.	BUY	44.38	Ordinary	81,459	81,459
22-Dec-2017	The Vanguard Group, Inc.	BUY	44.23	Ordinary	431	431
22-Dec-2017	The Vanguard Group, Inc.	BUY	44.23	Ordinary	3,865	3,865
26-Dec-2017	The Vanguard Group, Inc.	BUY	44.20	Ordinary	17,150	17,150
26-Dec-2017	The Vanguard Group, Inc.	BUY	44.20	Ordinary	1,432	1,432
27-Dec-2017	The Vanguard Group, Inc.	BUY	44.23	Ordinary	5,860	5,860
27-Dec-2017	The Vanguard Group, Inc.	BUY	44.25	Ordinary	773	773
28-Dec-2017	The Vanguard Group, Inc.	BUY	44.69	Ordinary	5,600	5,600
28-Dec-2017	The Vanguard Group, Inc.	BUY	44.70	Ordinary	932	932
28-Dec-2017	The Vanguard Group, Inc.	BUY	44.70	Ordinary	1,853	1,853
28-Dec-2017	The Vanguard Group, Inc.	SELL	44.70	Ordinary	(65)	(65)
28-Dec-2017	The Vanguard Group, Inc.	SELL	44.70	Ordinary	(439)	(439)
29-Dec-2017	The Vanguard Group, Inc.	SELL	44.32	Ordinary	(6,390)	(6,390)
29-Dec-2017	The Vanguard Group, Inc.	BUY	44.32	Ordinary	716	716
2-Jan-2018	The Vanguard Group, Inc.	BUY	44.37	Ordinary	1,164	1,164
3-Jan-2018	The Vanguard Group, Inc.	BUY	44.38	Ordinary	11,375	11,375
4-Jan-2018	The Vanguard Group, Inc.	BUY	44.35	Ordinary	4,900	4,900
4-Jan-2018	The Vanguard Group, Inc.	BUY	44.35	Ordinary	7,730	7,730
4-Jan-2018	The Vanguard Group, Inc.	BUY	44.26	Ordinary	1,395	1,395
4-Jan-2018	The Vanguard Group, Inc.	BUY	44.26	Ordinary	226	226
4-Jan-2018	The Vanguard Group, Inc.	BUY	44.26	Ordinary	19,547	19,547

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-Jan-2018	The Vanguard Group, Inc.	BUY	44.44	Ordinary	7,512	7,512
5-Jan-2018	The Vanguard Group, Inc.	BUY	44.69	Ordinary	6,125	6,125
5-Jan-2018	The Vanguard Group, Inc.	BUY	44.69	Ordinary	1,432	1,432
8-Jan-2018	The Vanguard Group, Inc.	BUY	44.56	Ordinary	1,461	1,461
9-Jan-2018	The Vanguard Group, Inc.	BUY	44.56	Ordinary	11,677	11,677
9-Jan-2018	The Vanguard Group, Inc.	BUY	44.53	Ordinary	14,700	14,700
10-Jan-2018	The Vanguard Group, Inc.	BUY	44.33	Ordinary	2,864	2,864
11-Jan-2018	The Vanguard Group, Inc.	BUY	44.26	Ordinary	9,800	9,800
12-Jan-2018	The Vanguard Group, Inc.	BUY	44.12	Ordinary	5,418	5,418
12-Jan-2018	The Vanguard Group, Inc.	BUY	43.86	Ordinary	5,040	5,040
12-Jan-2018	The Vanguard Group, Inc.	BUY	43.73	Ordinary	676	676
16-Jan-2018	The Vanguard Group, Inc.	BUY	43.54	Ordinary	7,350	7,350
16-Jan-2018	The Vanguard Group, Inc.	BUY	43.68	Ordinary	671	671
16-Jan-2018	The Vanguard Group, Inc.	BUY	43.68	Ordinary	225	225
16-Jan-2018	The Vanguard Group, Inc.	BUY	43.68	Ordinary	1,654	1,654
17-Jan-2018	The Vanguard Group, Inc.	BUY	43.58	Ordinary	58,542	58,542
18-Jan-2018	The Vanguard Group, Inc.	BUY	43.72	Ordinary	22,214	22,214
18-Jan-2018	The Vanguard Group, Inc.	BUY	43.48	Ordinary	9,800	9,800
18-Jan-2018	The Vanguard Group, Inc.	BUY	43.48	Ordinary	1,432	1,432
19-Jan-2018	The Vanguard Group, Inc.	BUY	43.85	Ordinary	2,155	2,155
19-Jan-2018	The Vanguard Group, Inc.	BUY	43.85	Ordinary	1,432	1,432
19-Jan-2018	The Vanguard Group, Inc.	BUY	43.72	Ordinary	230	230
24-Jan-2018	The Vanguard Group, Inc.	BUY	43.71	Ordinary	2,800	2,800
24-Jan-2018	The Vanguard Group, Inc.	BUY	43.71	Ordinary	2,155	2,155
24-Jan-2018	The Vanguard Group, Inc.	BUY	43.71	Ordinary	1,432	1,432
24-Jan-2018	The Vanguard Group, Inc.	SELL	44.01	Ordinary	(3,454)	(3,454)
26-Jan-2018	The Vanguard Group, Inc.	BUY	44.05	Ordinary	7,350	7,350
26-Jan-2018	The Vanguard Group, Inc.	BUY	44.05	Ordinary	1,724	1,724
26-Jan-2018	The Vanguard Group, Inc.	BUY	44.05	Ordinary	2,148	2,148
29-Jan-2018	The Vanguard Group, Inc.	BUY	43.94	Ordinary	2,800	2,800
29-Jan-2018	The Vanguard Group, Inc.	BUY	44.07	Ordinary	16,595	16,595
29-Jan-2018	The Vanguard Group, Inc.	BUY	43.87	Ordinary	8,736	8,736
29-Jan-2018	The Vanguard Group, Inc.	BUY	44.07	Ordinary	742	742
29-Jan-2018	The Vanguard Group, Inc.	BUY	44.07	Ordinary	418	418
29-Jan-2018	The Vanguard Group, Inc.	BUY	43.87	Ordinary	3,469	3,469
29-Jan-2018	The Vanguard Group, Inc.	BUY	43.87	Ordinary	4,239	4,239
30-Jan-2018	The Vanguard Group, Inc.	BUY	43.73	Ordinary	8,575	8,575
30-Jan-2018	The Vanguard Group, Inc.	BUY	43.73	Ordinary	1,724	1,724
30-Jan-2018	The Vanguard Group, Inc.	BUY	43.85	Ordinary	577	577
30-Jan-2018	The Vanguard Group, Inc.	BUY	43.84	Ordinary	1,104	1,104
31-Jan-2018	The Vanguard Group, Inc.	BUY	43.61	Ordinary	12,780	12,780
31-Jan-2018	The Vanguard Group, Inc.	BUY	43.77	Ordinary	3,092	3,092
1-Feb-2018	The Vanguard Group, Inc.	BUY	43.91	Ordinary	14,533	14,533
1-Feb-2018	The Vanguard Group, Inc.	BUY	44.08	Ordinary	2,520	2,520
1-Feb-2018	The Vanguard Group, Inc.	BUY	44.08	Ordinary	11,025	11,025
1-Feb-2018	The Vanguard Group, Inc.	BUY	43.91	Ordinary	1,280	1,280
1-Feb-2018	The Vanguard Group, Inc.	BUY	43.91	Ordinary	760	760
2-Feb-2018	The Vanguard Group, Inc.	BUY	44.11	Ordinary	15,380	15,380
5-Feb-2018	The Vanguard Group, Inc.	SELL	41.47	Ordinary	(5,325)	(5,325)
5-Feb-2018	The Vanguard Group, Inc.	SELL	41.47	Ordinary	(4,260)	(4,260)
5-Feb-2018	The Vanguard Group, Inc.	BUY	41.47	Ordinary	4,200	4,200
5-Feb-2018	The Vanguard Group, Inc.	BUY	41.47	Ordinary	2,155	2,155
6-Feb-2018	The Vanguard Group, Inc.	BUY	40.50	Ordinary	7,474	7,474
6-Feb-2018	The Vanguard Group, Inc.	BUY	41.76	Ordinary	8,620	8,620
7-Feb-2018	The Vanguard Group, Inc.	BUY	41.30	Ordinary	10,428	10,428
7-Feb-2018	The Vanguard Group, Inc.	SELL	41.06	Ordinary	(3,426)	(3,426)
8-Feb-2018	The Vanguard Group, Inc.	SELL	40.37	Ordinary	(2,130)	(2,130)
8-Feb-2018	The Vanguard Group, Inc.	BUY	40.82	Ordinary	15,465	15,465
8-Feb-2018	The Vanguard Group, Inc.	SELL	40.37	Ordinary	(6,184)	(6,184)
8-Feb-2018	The Vanguard Group, Inc.	SELL	41.02	Ordinary	(4,520)	(4,520)
8-Feb-2018	The Vanguard Group, Inc.	BUY	40.82	Ordinary	87	87
9-Feb-2018	The Vanguard Group, Inc.	BUY	40.63	Ordinary	24,772	24,772
9-Feb-2018	The Vanguard Group, Inc.	BUY	40.87	Ordinary	4,310	4,310
9-Feb-2018	The Vanguard Group, Inc.	BUY	40.87	Ordinary	2,586	2,586
9-Feb-2018	The Vanguard Group, Inc.	BUY	40.77	Ordinary	2,340	2,340
9-Feb-2018	The Vanguard Group, Inc.	BUY	40.77	Ordinary	565	565
12-Feb-2018	The Vanguard Group, Inc.	BUY	40.61	Ordinary	26,746	26,746
12-Feb-2018	The Vanguard Group, Inc.	BUY	40.72	Ordinary	3,017	3,017
12-Feb-2018	The Vanguard Group, Inc.	BUY	40.61	Ordinary	671	671

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13-Feb-2018	The Vanguard Group, Inc.	BUY	40.74	Ordinary	7,254	7,254
13-Feb-2018	The Vanguard Group, Inc.	BUY	40.74	Ordinary	12,090	12,090
13-Feb-2018	The Vanguard Group, Inc.	BUY	40.74	Ordinary	1,724	1,724
13-Feb-2018	The Vanguard Group, Inc.	SELL	40.60	Ordinary	(892)	(892)
13-Feb-2018	The Vanguard Group, Inc.	BUY	40.60	Ordinary	2,246	2,246
13-Feb-2018	The Vanguard Group, Inc.	BUY	40.74	Ordinary	2,864	2,864
13-Feb-2018	The Vanguard Group, Inc.	BUY	40.64	Ordinary	4,108	4,108
13-Feb-2018	The Vanguard Group, Inc.	BUY	40.60	Ordinary	240	240
13-Feb-2018	The Vanguard Group, Inc.	BUY	40.64	Ordinary	255	255
14-Feb-2018	The Vanguard Group, Inc.	BUY	40.78	Ordinary	1,400	1,400
14-Feb-2018	The Vanguard Group, Inc.	BUY	40.78	Ordinary	2,155	2,155
14-Feb-2018	The Vanguard Group, Inc.	BUY	40.78	Ordinary	1,432	1,432
14-Feb-2018	The Vanguard Group, Inc.	BUY	40.54	Ordinary	17,653	17,653
14-Feb-2018	The Vanguard Group, Inc.	BUY	40.54	Ordinary	736	736
15-Feb-2018	The Vanguard Group, Inc.	BUY	40.58	Ordinary	31,952	31,952
15-Feb-2018	The Vanguard Group, Inc.	BUY	40.58	Ordinary	4,510	4,510
15-Feb-2018	The Vanguard Group, Inc.	BUY	40.85	Ordinary	996	996
16-Feb-2018	The Vanguard Group, Inc.	BUY	40.67	Ordinary	1,400	1,400
16-Feb-2018	The Vanguard Group, Inc.	BUY	40.67	Ordinary	14,508	14,508
16-Feb-2018	The Vanguard Group, Inc.	BUY	40.67	Ordinary	10,881	10,881
20-Feb-2018	The Vanguard Group, Inc.	SELL	40.69	Ordinary	(10,650)	(10,650)
20-Feb-2018	The Vanguard Group, Inc.	SELL	40.76	Ordinary	(644)	(644)
21-Feb-2018	The Vanguard Group, Inc.	SELL	41.92	Ordinary	(5,325)	(5,325)
21-Feb-2018	The Vanguard Group, Inc.	SELL	41.92	Ordinary	(4,260)	(4,260)
21-Feb-2018	The Vanguard Group, Inc.	BUY	41.61	Ordinary	22,804	22,804
21-Feb-2018	The Vanguard Group, Inc.	BUY	41.99	Ordinary	537	537
21-Feb-2018	The Vanguard Group, Inc.	BUY	41.99	Ordinary	269	269
22-Feb-2018	The Vanguard Group, Inc.	BUY	42.09	Ordinary	22,286	22,286
22-Feb-2018	The Vanguard Group, Inc.	BUY	42.09	Ordinary	10,970	10,970
22-Feb-2018	The Vanguard Group, Inc.	SELL	41.88	Ordinary	(33,446)	(33,446)
22-Feb-2018	The Vanguard Group, Inc.	BUY	41.88	Ordinary	2,823	2,823
22-Feb-2018	The Vanguard Group, Inc.	BUY	41.88	Ordinary	932	932
23-Feb-2018	The Vanguard Group, Inc.	BUY	42.53	Ordinary	2,279	2,279
26-Feb-2018	The Vanguard Group, Inc.	BUY	41.52	Ordinary	6,045	6,045
26-Feb-2018	The Vanguard Group, Inc.	BUY	41.35	Ordinary	2,279	2,279
27-Feb-2018	The Vanguard Group, Inc.	SELL	40.71	Ordinary	(10,650)	(10,650)
27-Feb-2018	The Vanguard Group, Inc.	BUY	40.90	Ordinary	1,019	1,019
27-Feb-2018	The Vanguard Group, Inc.	BUY	41.15	Ordinary	6,629	6,629
28-Feb-2018	The Vanguard Group, Inc.	BUY	41.20	Ordinary	30,842	30,842
28-Feb-2018	The Vanguard Group, Inc.	BUY	41.32	Ordinary	198	198
28-Feb-2018	The Vanguard Group, Inc.	BUY	41.33	Ordinary	671	671
28-Feb-2018	The Vanguard Group, Inc.	SELL	41.32	Ordinary	(1,980)	(1,980)
1-Mar-2018	The Vanguard Group, Inc.	SELL	41.38	Ordinary	(11,715)	(11,715)
1-Mar-2018	The Vanguard Group, Inc.	BUY	41.35	Ordinary	18,692	18,692
1-Mar-2018	The Vanguard Group, Inc.	BUY	41.38	Ordinary	2,155	2,155
1-Mar-2018	The Vanguard Group, Inc.	BUY	41.35	Ordinary	138	138
1-Mar-2018	The Vanguard Group, Inc.	SELL	41.36	Ordinary	(459)	(459)
2-Mar-2018	The Vanguard Group, Inc.	BUY	41.09	Ordinary	30,292	30,292
2-Mar-2018	The Vanguard Group, Inc.	SELL	41.09	Ordinary	(1,484)	(1,484)
6-Mar-2018	The Vanguard Group, Inc.	BUY	41.35	Ordinary	70,780	70,780
6-Mar-2018	The Vanguard Group, Inc.	BUY	41.31	Ordinary	2,800	2,800
6-Mar-2018	The Vanguard Group, Inc.	BUY	41.30	Ordinary	15,726	15,726
6-Mar-2018	The Vanguard Group, Inc.	SELL	41.30	Ordinary	(629)	(629)
7-Mar-2018	The Vanguard Group, Inc.	BUY	40.97	Ordinary	31,509	31,509
7-Mar-2018	The Vanguard Group, Inc.	BUY	40.68	Ordinary	150	150
8-Mar-2018	The Vanguard Group, Inc.	SELL	40.65	Ordinary	(9,248)	(9,248)
8-Mar-2018	The Vanguard Group, Inc.	BUY	40.80	Ordinary	6,103	6,103
9-Mar-2018	The Vanguard Group, Inc.	BUY	40.92	Ordinary	883	883
9-Mar-2018	The Vanguard Group, Inc.	BUY	40.92	Ordinary	702	702
12-Mar-2018	The Vanguard Group, Inc.	SELL	40.72	Ordinary	(5,325)	(5,325)
13-Mar-2018	The Vanguard Group, Inc.	BUY	40.83	Ordinary	57,371	57,371
14-Mar-2018	The Vanguard Group, Inc.	BUY	40.88	Ordinary	791	791
15-Mar-2018	The Vanguard Group, Inc.	BUY	41.20	Ordinary	180	180
16-Mar-2018	The Vanguard Group, Inc.	SELL	43.78	Ordinary	(4,102)	(4,102)
16-Mar-2018	The Vanguard Group, Inc.	SELL	43.87	Ordinary	(7,455)	(7,455)
16-Mar-2018	The Vanguard Group, Inc.	SELL	43.78	Ordinary	(227,704)	(227,704)
16-Mar-2018	The Vanguard Group, Inc.	SELL	43.78	Ordinary	(24,614)	(24,614)
16-Mar-2018	The Vanguard Group, Inc.	SELL	43.78	Ordinary	(12,942)	(12,942)
16-Mar-2018	The Vanguard Group, Inc.	BUY	43.87	Ordinary	1,432	1,432

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16-Mar-2018	The Vanguard Group, Inc.	SELL	43.80	Ordinary	(3,140)	(3,140)
16-Mar-2018	The Vanguard Group, Inc.	SELL	43.78	Ordinary	(483)	(483)
16-Mar-2018	The Vanguard Group, Inc.	SELL	43.78	Ordinary	(2,043)	(2,043)
16-Mar-2018	The Vanguard Group, Inc.	SELL	43.80	Ordinary	(81)	(81)
16-Mar-2018	The Vanguard Group, Inc.	SELL	43.80	Ordinary	(287)	(287)
16-Mar-2018	The Vanguard Group, Inc.	SELL	43.80	Ordinary	(14)	(14)
19-Mar-2018	The Vanguard Group, Inc.	BUY	43.42	Ordinary	4,878	4,878
20-Mar-2018	The Vanguard Group, Inc.	BUY	43.33	Ordinary	48,105	48,105
20-Mar-2018	The Vanguard Group, Inc.	BUY	43.42	Ordinary	7,230	7,230
20-Mar-2018	The Vanguard Group, Inc.	SELL	43.56	Ordinary	(513)	(513)
20-Mar-2018	The Vanguard Group, Inc.	BUY	43.42	Ordinary	2,082	2,082
20-Mar-2018	The Vanguard Group, Inc.	BUY	43.33	Ordinary	2,351	2,351
20-Mar-2018	The Vanguard Group, Inc.	BUY	43.28	Ordinary	609	609
21-Mar-2018	The Vanguard Group, Inc.	BUY	42.96	Ordinary	1,400	1,400
21-Mar-2018	The Vanguard Group, Inc.	BUY	42.96	Ordinary	3,095	3,095
21-Mar-2018	The Vanguard Group, Inc.	BUY	42.96	Ordinary	2,476	2,476
21-Mar-2018	The Vanguard Group, Inc.	BUY	43.05	Ordinary	686	686
22-Mar-2018	The Vanguard Group, Inc.	SELL	42.55	Ordinary	(536)	(536)
23-Mar-2018	The Vanguard Group, Inc.	BUY	41.99	Ordinary	23,759	23,759
23-Mar-2018	The Vanguard Group, Inc.	BUY	41.62	Ordinary	12,050	12,050
23-Mar-2018	The Vanguard Group, Inc.	BUY	41.62	Ordinary	6,025	6,025
23-Mar-2018	The Vanguard Group, Inc.	BUY	41.81	Ordinary	607	607
26-Mar-2018	The Vanguard Group, Inc.	BUY	41.80	Ordinary	2,800	2,800
26-Mar-2018	The Vanguard Group, Inc.	BUY	41.80	Ordinary	3,615	3,615
27-Mar-2018	The Vanguard Group, Inc.	BUY	41.70	Ordinary	5,325	5,325
27-Mar-2018	The Vanguard Group, Inc.	BUY	41.70	Ordinary	41,082	41,082
27-Mar-2018	The Vanguard Group, Inc.	BUY	41.70	Ordinary	2,906	2,906
28-Mar-2018	The Vanguard Group, Inc.	BUY	41.77	Ordinary	4,820	4,820
28-Mar-2018	The Vanguard Group, Inc.	BUY	41.50	Ordinary	48	48
29-Mar-2018	The Vanguard Group, Inc.	BUY	42.02	Ordinary	6,504	6,504
29-Mar-2018	The Vanguard Group, Inc.	BUY	41.56	Ordinary	8,425	8,425
2-Apr-2018	The Vanguard Group, Inc.	BUY	41.44	Ordinary	1,388	1,388
3-Apr-2018	The Vanguard Group, Inc.	BUY	41.48	Ordinary	26,759	26,759
3-Apr-2018	The Vanguard Group, Inc.	BUY	41.48	Ordinary	15,294	15,294
3-Apr-2018	The Vanguard Group, Inc.	BUY	41.48	Ordinary	4,186	4,186
4-Apr-2018	The Vanguard Group, Inc.	BUY	41.32	Ordinary	15,726	15,726
4-Apr-2018	The Vanguard Group, Inc.	BUY	41.32	Ordinary	14,481	14,481
4-Apr-2018	The Vanguard Group, Inc.	BUY	41.41	Ordinary	3,360	3,360
4-Apr-2018	The Vanguard Group, Inc.	BUY	41.41	Ordinary	2,318	2,318
4-Apr-2018	The Vanguard Group, Inc.	BUY	41.41	Ordinary	262	262
4-Apr-2018	The Vanguard Group, Inc.	BUY	41.41	Ordinary	6,097	6,097
4-Apr-2018	The Vanguard Group, Inc.	BUY	41.32	Ordinary	40	40
5-Apr-2018	The Vanguard Group, Inc.	SELL	41.79	Ordinary	(3,150)	(3,150)
5-Apr-2018	The Vanguard Group, Inc.	BUY	41.31	Ordinary	6,233	6,233
5-Apr-2018	The Vanguard Group, Inc.	BUY	41.75	Ordinary	756	756
6-Apr-2018	The Vanguard Group, Inc.	BUY	41.54	Ordinary	31,831	31,831
6-Apr-2018	The Vanguard Group, Inc.	BUY	41.54	Ordinary	52	52
9-Apr-2018	The Vanguard Group, Inc.	BUY	41.87	Ordinary	3,252	3,252
9-Apr-2018	The Vanguard Group, Inc.	BUY	41.93	Ordinary	10,698	10,698
10-Apr-2018	The Vanguard Group, Inc.	BUY	41.98	Ordinary	2,520	2,520
10-Apr-2018	The Vanguard Group, Inc.	BUY	41.99	Ordinary	1,085	1,085
11-Apr-2018	The Vanguard Group, Inc.	BUY	41.34	Ordinary	3,360	3,360
11-Apr-2018	The Vanguard Group, Inc.	BUY	41.78	Ordinary	32	32
13-Apr-2018	The Vanguard Group, Inc.	BUY	41.09	Ordinary	6,273	6,273
13-Apr-2018	The Vanguard Group, Inc.	BUY	41.09	Ordinary	3,959	3,959
13-Apr-2018	The Vanguard Group, Inc.	BUY	41.02	Ordinary	1,388	1,388
16-Apr-2018	The Vanguard Group, Inc.	BUY	41.05	Ordinary	2,512	2,512
18-Apr-2018	The Vanguard Group, Inc.	BUY	41.41	Ordinary	15,627	15,627
18-Apr-2018	The Vanguard Group, Inc.	BUY	41.42	Ordinary	2,800	2,800
18-Apr-2018	The Vanguard Group, Inc.	BUY	41.41	Ordinary	7,274	7,274
18-Apr-2018	The Vanguard Group, Inc.	BUY	41.43	Ordinary	247	247
18-Apr-2018	The Vanguard Group, Inc.	BUY	41.41	Ordinary	40	40
19-Apr-2018	The Vanguard Group, Inc.	BUY	41.32	Ordinary	15,137	15,137
19-Apr-2018	The Vanguard Group, Inc.	BUY	41.55	Ordinary	4,721	4,721
23-Apr-2018	The Vanguard Group, Inc.	BUY	42.01	Ordinary	836	836
24-Apr-2018	The Vanguard Group, Inc.	BUY	42.34	Ordinary	15,509	15,509
24-Apr-2018	The Vanguard Group, Inc.	BUY	42.69	Ordinary	1,388	1,388
26-Apr-2018	The Vanguard Group, Inc.	BUY	43.25	Ordinary	2,800	2,800
26-Apr-2018	The Vanguard Group, Inc.	BUY	42.95	Ordinary	6,872	6,872

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26-Apr-2018	The Vanguard Group, Inc.	BUY	43.25	Ordinary	19,280	19,280
26-Apr-2018	The Vanguard Group, Inc.	BUY	42.95	Ordinary	16,625	16,625
26-Apr-2018	The Vanguard Group, Inc.	BUY	42.95	Ordinary	2,226	2,226
27-Apr-2018	The Vanguard Group, Inc.	BUY	43.38	Ordinary	24,264	24,264
27-Apr-2018	The Vanguard Group, Inc.	BUY	43.32	Ordinary	3,080	3,080
27-Apr-2018	The Vanguard Group, Inc.	SELL	43.44	Ordinary	(479)	(479)
27-Apr-2018	The Vanguard Group, Inc.	BUY	43.39	Ordinary	1,040	1,040
27-Apr-2018	The Vanguard Group, Inc.	BUY	43.38	Ordinary	80	80
1-May-2018	The Vanguard Group, Inc.	SELL	43.55	Ordinary	(3,150)	(3,150)
1-May-2018	The Vanguard Group, Inc.	BUY	43.92	Ordinary	24,016	24,016
2-May-2018	The Vanguard Group, Inc.	BUY	43.63	Ordinary	36,514	36,514
2-May-2018	The Vanguard Group, Inc.	BUY	43.80	Ordinary	7,519	7,519
2-May-2018	The Vanguard Group, Inc.	BUY	43.80	Ordinary	2,939	2,939
3-May-2018	The Vanguard Group, Inc.	BUY	43.81	Ordinary	1,388	1,388
3-May-2018	The Vanguard Group, Inc.	BUY	43.81	Ordinary	1,388	1,388
3-May-2018	The Vanguard Group, Inc.	BUY	44.00	Ordinary	1,413	1,413
7-May-2018	The Vanguard Group, Inc.	BUY	43.93	Ordinary	7,230	7,230
7-May-2018	The Vanguard Group, Inc.	BUY	43.93	Ordinary	1,388	1,388
7-May-2018	The Vanguard Group, Inc.	BUY	43.94	Ordinary	480	480
8-May-2018	The Vanguard Group, Inc.	BUY	44.16	Ordinary	15,125	15,125
8-May-2018	The Vanguard Group, Inc.	BUY	44.04	Ordinary	1,635	1,635
8-May-2018	The Vanguard Group, Inc.	BUY	44.04	Ordinary	854	854
9-May-2018	The Vanguard Group, Inc.	BUY	44.12	Ordinary	15,090	15,090
9-May-2018	The Vanguard Group, Inc.	BUY	44.12	Ordinary	7,731	7,731
9-May-2018	The Vanguard Group, Inc.	BUY	44.14	Ordinary	18,075	18,075
9-May-2018	The Vanguard Group, Inc.	BUY	44.12	Ordinary	994	994
10-May-2018	The Vanguard Group, Inc.	BUY	44.27	Ordinary	7,505	7,505
14-May-2018	The Vanguard Group, Inc.	BUY	44.37	Ordinary	2,320	2,320
14-May-2018	The Vanguard Group, Inc.	BUY	44.36	Ordinary	2,243	2,243
15-May-2018	The Vanguard Group, Inc.	BUY	44.43	Ordinary	17,168	17,168
15-May-2018	The Vanguard Group, Inc.	BUY	44.43	Ordinary	6,015	6,015
15-May-2018	The Vanguard Group, Inc.	BUY	44.33	Ordinary	14,460	14,460
15-May-2018	The Vanguard Group, Inc.	BUY	44.31	Ordinary	960	960
16-May-2018	The Vanguard Group, Inc.	BUY	44.54	Ordinary	10,959	10,959
17-May-2018	The Vanguard Group, Inc.	BUY	44.85	Ordinary	14,858	14,858
17-May-2018	The Vanguard Group, Inc.	BUY	44.85	Ordinary	7,705	7,705
17-May-2018	The Vanguard Group, Inc.	BUY	44.76	Ordinary	1,388	1,388
21-May-2018	The Vanguard Group, Inc.	BUY	44.95	Ordinary	6,525	6,525
21-May-2018	The Vanguard Group, Inc.	BUY	44.95	Ordinary	2,859	2,859
21-May-2018	The Vanguard Group, Inc.	BUY	44.95	Ordinary	323	323
22-May-2018	The Vanguard Group, Inc.	BUY	44.64	Ordinary	18,729	18,729
22-May-2018	The Vanguard Group, Inc.	BUY	44.63	Ordinary	5,320	5,320
22-May-2018	The Vanguard Group, Inc.	BUY	44.64	Ordinary	6,178	6,178
22-May-2018	The Vanguard Group, Inc.	BUY	44.63	Ordinary	8,435	8,435
23-May-2018	The Vanguard Group, Inc.	BUY	44.65	Ordinary	26,971	26,971
23-May-2018	The Vanguard Group, Inc.	SELL	44.62	Ordinary	(132)	(132)
23-May-2018	The Vanguard Group, Inc.	BUY	44.76	Ordinary	644	644
23-May-2018	The Vanguard Group, Inc.	BUY	44.76	Ordinary	10,409	10,409
24-May-2018	The Vanguard Group, Inc.	SELL	45.09	Ordinary	(2,100)	(2,100)
24-May-2018	The Vanguard Group, Inc.	BUY	45.09	Ordinary	1,446	1,446
24-May-2018	The Vanguard Group, Inc.	BUY	45.11	Ordinary	726	726
25-May-2018	The Vanguard Group, Inc.	BUY	45.00	Ordinary	5,872	5,872
25-May-2018	The Vanguard Group, Inc.	BUY	45.51	Ordinary	3,615	3,615
25-May-2018	The Vanguard Group, Inc.	BUY	45.52	Ordinary	208	208
30-May-2018	The Vanguard Group, Inc.	BUY	45.46	Ordinary	26,716	26,716
30-May-2018	The Vanguard Group, Inc.	BUY	45.57	Ordinary	76,700	76,700
31-May-2018	The Vanguard Group, Inc.	BUY	45.83	Ordinary	30,839	30,839
31-May-2018	The Vanguard Group, Inc.	BUY	45.60	Ordinary	1,328	1,328
31-May-2018	The Vanguard Group, Inc.	BUY	45.60	Ordinary	2,712	2,712
31-May-2018	The Vanguard Group, Inc.	SELL	45.60	Ordinary	(7,777)	(7,777)
31-May-2018	The Vanguard Group, Inc.	BUY	45.56	Ordinary	934	934
1-Jun-2018	The Vanguard Group, Inc.	BUY	45.50	Ordinary	15,006	15,006
1-Jun-2018	The Vanguard Group, Inc.	BUY	45.18	Ordinary	6,025	6,025
4-Jun-2018	The Vanguard Group, Inc.	BUY	45.45	Ordinary	2,901	2,901
4-Jun-2018	The Vanguard Group, Inc.	BUY	45.50	Ordinary	5,861	5,861
5-Jun-2018	The Vanguard Group, Inc.	BUY	45.45	Ordinary	720	720
6-Jun-2018	The Vanguard Group, Inc.	BUY	45.53	Ordinary	19,723	19,723
6-Jun-2018	The Vanguard Group, Inc.	BUY	45.53	Ordinary	17,722	17,722
6-Jun-2018	The Vanguard Group, Inc.	BUY	45.53	Ordinary	463	463

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7-Jun-2018	The Vanguard Group, Inc.	BUY	45.76	Ordinary	14,072	14,072
7-Jun-2018	The Vanguard Group, Inc.	SELL	46.48	Ordinary	(14,804)	(14,804)
12-Jun-2018	The Vanguard Group, Inc.	BUY	46.91	Ordinary	73,659	73,659
12-Jun-2018	The Vanguard Group, Inc.	SELL	46.96	Ordinary	(573)	(573)
14-Jun-2018	The Vanguard Group, Inc.	BUY	47.10	Ordinary	1,446	1,446
15-Jun-2018	The Vanguard Group, Inc.	SELL	47.97	Ordinary	(1,865)	(1,865)
15-Jun-2018	The Vanguard Group, Inc.	SELL	48.01	Ordinary	(588)	(588)
15-Jun-2018	The Vanguard Group, Inc.	SELL	47.97	Ordinary	(113,369)	(113,369)
15-Jun-2018	The Vanguard Group, Inc.	SELL	48.01	Ordinary	(35,697)	(35,697)
15-Jun-2018	The Vanguard Group, Inc.	SELL	47.97	Ordinary	(14,891)	(14,891)
15-Jun-2018	The Vanguard Group, Inc.	SELL	48.01	Ordinary	(4,688)	(4,688)
15-Jun-2018	The Vanguard Group, Inc.	SELL	47.97	Ordinary	(11,318)	(11,318)
15-Jun-2018	The Vanguard Group, Inc.	SELL	48.01	Ordinary	(3,564)	(3,564)
15-Jun-2018	The Vanguard Group, Inc.	BUY	48.01	Ordinary	725	725
15-Jun-2018	The Vanguard Group, Inc.	BUY	48.01	Ordinary	2,046	2,046
19-Jun-2018	The Vanguard Group, Inc.	BUY	47.52	Ordinary	74,182	74,182
20-Jun-2018	The Vanguard Group, Inc.	BUY	47.69	Ordinary	34,777	34,777
20-Jun-2018	The Vanguard Group, Inc.	BUY	47.57	Ordinary	6,058	6,058
20-Jun-2018	The Vanguard Group, Inc.	BUY	47.69	Ordinary	2,848	2,848
21-Jun-2018	The Vanguard Group, Inc.	BUY	48.73	Ordinary	26,618	26,618
21-Jun-2018	The Vanguard Group, Inc.	SELL	48.78	Ordinary	(601)	(601)
22-Jun-2018	The Vanguard Group, Inc.	SELL	49.20	Ordinary	(877)	(877)
26-Jun-2018	The Vanguard Group, Inc.	BUY	48.90	Ordinary	30,766	30,766
27-Jun-2018	The Vanguard Group, Inc.	BUY	49.60	Ordinary	26,227	26,227
27-Jun-2018	The Vanguard Group, Inc.	BUY	49.39	Ordinary	1,864	1,864
27-Jun-2018	The Vanguard Group, Inc.	SELL	49.44	Ordinary	(773)	(773)
28-Jun-2018	The Vanguard Group, Inc.	BUY	49.34	Ordinary	24,789	24,789
28-Jun-2018	The Vanguard Group, Inc.	BUY	49.34	Ordinary	4,972	4,972
29-Jun-2018	The Vanguard Group, Inc.	BUY	49.36	Ordinary	33,518	33,518
2-Jul-2018	The Vanguard Group, Inc.	SELL	49.19	Ordinary	(5,484)	(5,484)
3-Jul-2018	The Vanguard Group, Inc.	BUY	49.27	Ordinary	33,675	33,675
3-Jul-2018	The Vanguard Group, Inc.	BUY	49.55	Ordinary	1,400	1,400
3-Jul-2018	The Vanguard Group, Inc.	SELL	49.16	Ordinary	(5,107)	(5,107)
3-Jul-2018	The Vanguard Group, Inc.	BUY	49.55	Ordinary	1,398	1,398
4-Jul-2018	The Vanguard Group, Inc.	BUY	49.49	Ordinary	22,155	22,155
4-Jul-2018	The Vanguard Group, Inc.	SELL	49.50	Ordinary	(5,952)	(5,952)
4-Jul-2018	The Vanguard Group, Inc.	BUY	49.24	Ordinary	8,057	8,057
5-Jul-2018	The Vanguard Group, Inc.	BUY	49.60	Ordinary	26,075	26,075
5-Jul-2018	The Vanguard Group, Inc.	BUY	49.60	Ordinary	827	827
6-Jul-2018	The Vanguard Group, Inc.	BUY	50.44	Ordinary	3,360	3,360
6-Jul-2018	The Vanguard Group, Inc.	BUY	50.37	Ordinary	6,567	6,567
10-Jul-2018	The Vanguard Group, Inc.	BUY	49.36	Ordinary	267	267
11-Jul-2018	The Vanguard Group, Inc.	BUY	49.21	Ordinary	25,254	25,254
11-Jul-2018	The Vanguard Group, Inc.	SELL	49.21	Ordinary	(716)	(716)
11-Jul-2018	The Vanguard Group, Inc.	BUY	49.21	Ordinary	734	734
12-Jul-2018	The Vanguard Group, Inc.	SELL	49.51	Ordinary	(4,884)	(4,884)
12-Jul-2018	The Vanguard Group, Inc.	SELL	49.55	Ordinary	(576)	(576)
12-Jul-2018	The Vanguard Group, Inc.	BUY	49.55	Ordinary	5,992	5,992
12-Jul-2018	The Vanguard Group, Inc.	SELL	49.49	Ordinary	(18,163)	(18,163)
13-Jul-2018	The Vanguard Group, Inc.	BUY	49.25	Ordinary	55	55
17-Jul-2018	The Vanguard Group, Inc.	BUY	49.76	Ordinary	13,580	13,580
17-Jul-2018	The Vanguard Group, Inc.	BUY	49.76	Ordinary	2,717	2,717
17-Jul-2018	The Vanguard Group, Inc.	BUY	49.54	Ordinary	609	609
18-Jul-2018	The Vanguard Group, Inc.	BUY	49.96	Ordinary	23,895	23,895
19-Jul-2018	The Vanguard Group, Inc.	BUY	49.76	Ordinary	460	460
20-Jul-2018	The Vanguard Group, Inc.	BUY	49.88	Ordinary	27,435	27,435
20-Jul-2018	The Vanguard Group, Inc.	BUY	49.90	Ordinary	2,800	2,800
20-Jul-2018	The Vanguard Group, Inc.	SELL	50.00	Ordinary	(6,588)	(6,588)
20-Jul-2018	The Vanguard Group, Inc.	BUY	50.00	Ordinary	7,314	7,314
23-Jul-2018	The Vanguard Group, Inc.	SELL	49.45	Ordinary	(3,150)	(3,150)
24-Jul-2018	The Vanguard Group, Inc.	SELL	49.30	Ordinary	(494)	(494)
24-Jul-2018	The Vanguard Group, Inc.	BUY	49.49	Ordinary	460	460
24-Jul-2018	The Vanguard Group, Inc.	BUY	49.49	Ordinary	535	535
25-Jul-2018	The Vanguard Group, Inc.	SELL	48.99	Ordinary	(3,150)	(3,150)
25-Jul-2018	The Vanguard Group, Inc.	SELL	48.99	Ordinary	(15,750)	(15,750)
25-Jul-2018	The Vanguard Group, Inc.	SELL	48.99	Ordinary	(2,100)	(2,100)
25-Jul-2018	The Vanguard Group, Inc.	SELL	48.97	Ordinary	(824)	(824)
25-Jul-2018	The Vanguard Group, Inc.	BUY	48.97	Ordinary	341	341
27-Jul-2018	The Vanguard Group, Inc.	SELL	49.27	Ordinary	(6,058)	(6,058)

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30-Jul-2018	The Vanguard Group, Inc.	SELL	49.53	Ordinary	(5,511)	(5,511)
31-Jul-2018	The Vanguard Group, Inc.	BUY	49.53	Ordinary	34,009	34,009
31-Jul-2018	The Vanguard Group, Inc.	SELL	49.49	Ordinary	(2,330)	(2,330)
1-Aug-2018	The Vanguard Group, Inc.	BUY	49.50	Ordinary	39,675	39,675
1-Aug-2018	The Vanguard Group, Inc.	SELL	49.46	Ordinary	(315)	(315)
1-Aug-2018	The Vanguard Group, Inc.	BUY	49.50	Ordinary	1,192	1,192
2-Aug-2018	The Vanguard Group, Inc.	SELL	49.89	Ordinary	(10,500)	(10,500)
3-Aug-2018	The Vanguard Group, Inc.	BUY	49.97	Ordinary	31,978	31,978
3-Aug-2018	The Vanguard Group, Inc.	SELL	49.84	Ordinary	(3,529)	(3,529)
3-Aug-2018	The Vanguard Group, Inc.	BUY	49.84	Ordinary	798	798
6-Aug-2018	The Vanguard Group, Inc.	BUY	49.90	Ordinary	52	52
7-Aug-2018	The Vanguard Group, Inc.	BUY	50.41	Ordinary	33,204	33,204
8-Aug-2018	The Vanguard Group, Inc.	BUY	50.22	Ordinary	25,126	25,126
8-Aug-2018	The Vanguard Group, Inc.	SELL	50.00	Ordinary	(303)	(303)
9-Aug-2018	The Vanguard Group, Inc.	BUY	50.21	Ordinary	9,561	9,561
9-Aug-2018	The Vanguard Group, Inc.	SELL	50.28	Ordinary	(4,194)	(4,194)
9-Aug-2018	The Vanguard Group, Inc.	BUY	50.16	Ordinary	2,887	2,887
9-Aug-2018	The Vanguard Group, Inc.	BUY	50.16	Ordinary	300	300
10-Aug-2018	The Vanguard Group, Inc.	SELL	50.40	Ordinary	(25,200)	(25,200)
10-Aug-2018	The Vanguard Group, Inc.	SELL	50.40	Ordinary	(4,194)	(4,194)
10-Aug-2018	The Vanguard Group, Inc.	SELL	50.40	Ordinary	(2,330)	(2,330)
10-Aug-2018	The Vanguard Group, Inc.	SELL	50.38	Ordinary	(25,215)	(25,215)
10-Aug-2018	The Vanguard Group, Inc.	BUY	50.38	Ordinary	1,240	1,240
13-Aug-2018	The Vanguard Group, Inc.	BUY	50.43	Ordinary	139	139
14-Aug-2018	The Vanguard Group, Inc.	BUY	50.75	Ordinary	16,088	16,088
14-Aug-2018	The Vanguard Group, Inc.	SELL	50.69	Ordinary	(8,388)	(8,388)
14-Aug-2018	The Vanguard Group, Inc.	BUY	50.67	Ordinary	514	514
14-Aug-2018	The Vanguard Group, Inc.	SELL	50.59	Ordinary	(914)	(914)
14-Aug-2018	The Vanguard Group, Inc.	BUY	50.67	Ordinary	375	375
15-Aug-2018	The Vanguard Group, Inc.	SELL	52.07	Ordinary	(12,600)	(12,600)
15-Aug-2018	The Vanguard Group, Inc.	BUY	52.60	Ordinary	41,044	41,044
15-Aug-2018	The Vanguard Group, Inc.	BUY	52.60	Ordinary	7,476	7,476
16-Aug-2018	The Vanguard Group, Inc.	BUY	52.40	Ordinary	27,693	27,693
16-Aug-2018	The Vanguard Group, Inc.	BUY	52.54	Ordinary	2,148	2,148
16-Aug-2018	The Vanguard Group, Inc.	SELL	52.50	Ordinary	(23,793)	(23,793)
17-Aug-2018	The Vanguard Group, Inc.	BUY	52.59	Ordinary	40,689	40,689
17-Aug-2018	The Vanguard Group, Inc.	BUY	52.44	Ordinary	1,960	1,960
17-Aug-2018	The Vanguard Group, Inc.	BUY	52.59	Ordinary	2,664	2,664
20-Aug-2018	The Vanguard Group, Inc.	BUY	51.92	Ordinary	34,358	34,358
21-Aug-2018	The Vanguard Group, Inc.	BUY	51.02	Ordinary	1,864	1,864
21-Aug-2018	The Vanguard Group, Inc.	BUY	50.98	Ordinary	974	974
21-Aug-2018	The Vanguard Group, Inc.	BUY	50.98	Ordinary	860	860
22-Aug-2018	The Vanguard Group, Inc.	BUY	50.75	Ordinary	16,302	16,302
24-Aug-2018	The Vanguard Group, Inc.	BUY	51.44	Ordinary	3,080	3,080
27-Aug-2018	The Vanguard Group, Inc.	BUY	51.73	Ordinary	2,330	2,330
27-Aug-2018	The Vanguard Group, Inc.	SELL	51.33	Ordinary	(7,756)	(7,756)
28-Aug-2018	The Vanguard Group, Inc.	BUY	51.44	Ordinary	460	460
31-Aug-2018	The Vanguard Group, Inc.	BUY	51.27	Ordinary	24,119	24,119
31-Aug-2018	The Vanguard Group, Inc.	BUY	51.40	Ordinary	216	216
31-Aug-2018	The Vanguard Group, Inc.	BUY	51.40	Ordinary	2,152	2,152
31-Aug-2018	The Vanguard Group, Inc.	SELL	51.40	Ordinary	(1,995)	(1,995)
5-Sep-2018	The Vanguard Group, Inc.	BUY	51.02	Ordinary	42,112	42,112
5-Sep-2018	The Vanguard Group, Inc.	SELL	51.48	Ordinary	(483)	(483)
5-Sep-2018	The Vanguard Group, Inc.	SELL	50.86	Ordinary	(751)	(751)
6-Sep-2018	The Vanguard Group, Inc.	BUY	50.77	Ordinary	54,138	54,138
6-Sep-2018	The Vanguard Group, Inc.	BUY	50.77	Ordinary	169	169
7-Sep-2018	The Vanguard Group, Inc.	BUY	50.90	Ordinary	20,848	20,848
7-Sep-2018	The Vanguard Group, Inc.	BUY	51.49	Ordinary	16,027	16,027
7-Sep-2018	The Vanguard Group, Inc.	BUY	51.49	Ordinary	4,884	4,884
7-Sep-2018	The Vanguard Group, Inc.	BUY	51.49	Ordinary	1,398	1,398
7-Sep-2018	The Vanguard Group, Inc.	BUY	51.49	Ordinary	4,660	4,660
10-Sep-2018	The Vanguard Group, Inc.	BUY	51.46	Ordinary	2,085	2,085
11-Sep-2018	The Vanguard Group, Inc.	BUY	51.44	Ordinary	18,035	18,035
12-Sep-2018	The Vanguard Group, Inc.	BUY	51.50	Ordinary	53,392	53,392
12-Sep-2018	The Vanguard Group, Inc.	BUY	51.44	Ordinary	7,326	7,326
12-Sep-2018	The Vanguard Group, Inc.	BUY	51.44	Ordinary	4,660	4,660
12-Sep-2018	The Vanguard Group, Inc.	SELL	51.02	Ordinary	(464)	(464)
12-Sep-2018	The Vanguard Group, Inc.	SELL	51.61	Ordinary	(73,093)	(73,093)
13-Sep-2018	The Vanguard Group, Inc.	BUY	50.73	Ordinary	940	940

Annexure A

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17-Sep-2018	The Vanguard Group, Inc.	BUY	50.94	Ordinary	9,344	9,344
20-Sep-2018	The Vanguard Group, Inc.	BUY	50.35	Ordinary	4,636	4,636
20-Sep-2018	The Vanguard Group, Inc.	BUY	49.75	Ordinary	1,010	1,010
21-Sep-2018	The Vanguard Group, Inc.	SELL	49.84	Ordinary	(7,867)	(7,867)
21-Sep-2018	The Vanguard Group, Inc.	SELL	49.84	Ordinary	(54,438)	(54,438)
21-Sep-2018	The Vanguard Group, Inc.	SELL	49.84	Ordinary	(35,207)	(35,207)
21-Sep-2018	The Vanguard Group, Inc.	BUY	49.84	Ordinary	4,092	4,092
21-Sep-2018	The Vanguard Group, Inc.	SELL	49.84	Ordinary	(12,397)	(12,397)
21-Sep-2018	The Vanguard Group, Inc.	SELL	49.84	Ordinary	(250)	(250)
25-Sep-2018	The Vanguard Group, Inc.	BUY	49.42	Ordinary	28,000	28,000
25-Sep-2018	The Vanguard Group, Inc.	BUY	49.62	Ordinary	12,315	12,315
26-Sep-2018	The Vanguard Group, Inc.	BUY	49.70	Ordinary	9,432	9,432
26-Sep-2018	The Vanguard Group, Inc.	BUY	49.70	Ordinary	11,790	11,790
26-Sep-2018	The Vanguard Group, Inc.	BUY	49.70	Ordinary	4,716	4,716
26-Sep-2018	The Vanguard Group, Inc.	BUY	49.75	Ordinary	484	484
26-Sep-2018	The Vanguard Group, Inc.	SELL	49.75	Ordinary	(203)	(203)
26-Sep-2018	The Vanguard Group, Inc.	SELL	49.75	Ordinary	(832)	(832)
27-Sep-2018	The Vanguard Group, Inc.	SELL	49.78	Ordinary	(6,622)	(6,622)
27-Sep-2018	The Vanguard Group, Inc.	BUY	49.70	Ordinary	1,333	1,333
27-Sep-2018	The Vanguard Group, Inc.	BUY	49.80	Ordinary	97	97
27-Sep-2018	The Vanguard Group, Inc.	BUY	49.80	Ordinary	3,803	3,803
28-Sep-2018	The Vanguard Group, Inc.	BUY	49.85	Ordinary	213	213
1-Oct-2018	The Vanguard Group, Inc.	BUY	49.29	Ordinary	7,074	7,074
2-Oct-2018	The Vanguard Group, Inc.	BUY	49.17	Ordinary	37,484	37,484
2-Oct-2018	The Vanguard Group, Inc.	BUY	48.77	Ordinary	18,864	18,864
2-Oct-2018	The Vanguard Group, Inc.	SELL	49.33	Ordinary	(437)	(437)
2-Oct-2018	The Vanguard Group, Inc.	SELL	49.33	Ordinary	(8,822)	(8,822)
2-Oct-2018	The Vanguard Group, Inc.	SELL	48.77	Ordinary	(3,465)	(3,465)
3-Oct-2018	The Vanguard Group, Inc.	BUY	49.38	Ordinary	7,074	7,074
3-Oct-2018	The Vanguard Group, Inc.	BUY	49.38	Ordinary	4,200	4,200
3-Oct-2018	The Vanguard Group, Inc.	BUY	48.74	Ordinary	132	132
4-Oct-2018	The Vanguard Group, Inc.	BUY	49.69	Ordinary	14,097	14,097
5-Oct-2018	The Vanguard Group, Inc.	BUY	49.66	Ordinary	29,978	29,978
8-Oct-2018	The Vanguard Group, Inc.	BUY	49.07	Ordinary	11,233	11,233
8-Oct-2018	The Vanguard Group, Inc.	BUY	49.27	Ordinary	4,816	4,816
9-Oct-2018	The Vanguard Group, Inc.	BUY	48.99	Ordinary	14,357	14,357
9-Oct-2018	The Vanguard Group, Inc.	BUY	48.73	Ordinary	11,900	11,900
11-Oct-2018	The Vanguard Group, Inc.	BUY	47.19	Ordinary	6,324	6,324
12-Oct-2018	The Vanguard Group, Inc.	BUY	47.35	Ordinary	23,217	23,217
15-Oct-2018	The Vanguard Group, Inc.	BUY	47.09	Ordinary	10,540	10,540
15-Oct-2018	The Vanguard Group, Inc.	BUY	47.18	Ordinary	349	349
16-Oct-2018	The Vanguard Group, Inc.	BUY	47.54	Ordinary	41,708	41,708
16-Oct-2018	The Vanguard Group, Inc.	SELL	47.20	Ordinary	(464)	(464)
16-Oct-2018	The Vanguard Group, Inc.	BUY	47.54	Ordinary	6,200	6,200
17-Oct-2018	The Vanguard Group, Inc.	BUY	47.52	Ordinary	19,137	19,137
17-Oct-2018	The Vanguard Group, Inc.	BUY	47.52	Ordinary	1,500	1,500
18-Oct-2018	The Vanguard Group, Inc.	BUY	47.92	Ordinary	34,931	34,931
18-Oct-2018	The Vanguard Group, Inc.	BUY	47.92	Ordinary	11,025	11,025
18-Oct-2018	The Vanguard Group, Inc.	SELL	47.30	Ordinary	(637)	(637)
18-Oct-2018	The Vanguard Group, Inc.	BUY	47.92	Ordinary	161	161
19-Oct-2018	The Vanguard Group, Inc.	BUY	47.20	Ordinary	6,324	6,324
19-Oct-2018	The Vanguard Group, Inc.	BUY	47.20	Ordinary	7,074	7,074
23-Oct-2018	The Vanguard Group, Inc.	BUY	47.58	Ordinary	23,126	23,126
23-Oct-2018	The Vanguard Group, Inc.	BUY	47.12	Ordinary	7,080	7,080
24-Oct-2018	The Vanguard Group, Inc.	BUY	47.35	Ordinary	14,996	14,996
24-Oct-2018	The Vanguard Group, Inc.	SELL	46.72	Ordinary	(4,214)	(4,214)
24-Oct-2018	The Vanguard Group, Inc.	BUY	47.21	Ordinary	261	261
25-Oct-2018	The Vanguard Group, Inc.	BUY	46.56	Ordinary	23,534	23,534
25-Oct-2018	The Vanguard Group, Inc.	BUY	46.56	Ordinary	6,104	6,104
25-Oct-2018	The Vanguard Group, Inc.	BUY	45.89	Ordinary	5,895	5,895
26-Oct-2018	The Vanguard Group, Inc.	BUY	45.63	Ordinary	3,613	3,613
26-Oct-2018	The Vanguard Group, Inc.	BUY	45.60	Ordinary	25,262	25,262
26-Oct-2018	The Vanguard Group, Inc.	BUY	45.63	Ordinary	27,032	27,032
26-Oct-2018	The Vanguard Group, Inc.	BUY	45.60	Ordinary	15,836	15,836
26-Oct-2018	The Vanguard Group, Inc.	BUY	45.60	Ordinary	5,764	5,764
26-Oct-2018	The Vanguard Group, Inc.	BUY	45.60	Ordinary	3,536	3,536
26-Oct-2018	The Vanguard Group, Inc.	BUY	45.60	Ordinary	900	900
26-Oct-2018	The Vanguard Group, Inc.	BUY	45.60	Ordinary	2,848	2,848
30-Oct-2018	The Vanguard Group, Inc.	BUY	46.23	Ordinary	25,036	25,036

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30-Oct-2018	The Vanguard Group, Inc.	BUY	46.53	Ordinary	18,140	18,140
31-Oct-2018	The Vanguard Group, Inc.	BUY	46.23	Ordinary	15,383	15,383
31-Oct-2018	The Vanguard Group, Inc.	BUY	46.23	Ordinary	6,355	6,355
31-Oct-2018	The Vanguard Group, Inc.	BUY	46.77	Ordinary	8,253	8,253
31-Oct-2018	The Vanguard Group, Inc.	BUY	46.62	Ordinary	254	254
1-Nov-2018	The Vanguard Group, Inc.	BUY	46.64	Ordinary	31,969	31,969
1-Nov-2018	The Vanguard Group, Inc.	BUY	45.65	Ordinary	11,790	11,790
1-Nov-2018	The Vanguard Group, Inc.	SELL	45.75	Ordinary	(74,296)	(74,296)
2-Nov-2018	The Vanguard Group, Inc.	BUY	45.23	Ordinary	15,422	15,422
2-Nov-2018	The Vanguard Group, Inc.	BUY	45.23	Ordinary	18,735	18,735
2-Nov-2018	The Vanguard Group, Inc.	BUY	45.23	Ordinary	4,446	4,446
2-Nov-2018	The Vanguard Group, Inc.	SELL	45.58	Ordinary	(25,493)	(25,493)
5-Nov-2018	The Vanguard Group, Inc.	SELL	45.96	Ordinary	(8,526)	(8,526)
7-Nov-2018	The Vanguard Group, Inc.	BUY	46.88	Ordinary	9,432	9,432
7-Nov-2018	The Vanguard Group, Inc.	BUY	46.61	Ordinary	175	175
9-Nov-2018	The Vanguard Group, Inc.	BUY	47.44	Ordinary	7,731	7,731
9-Nov-2018	The Vanguard Group, Inc.	SELL	47.42	Ordinary	(2,243)	(2,243)
12-Nov-2018	The Vanguard Group, Inc.	BUY	47.35	Ordinary	7,074	7,074
12-Nov-2018	The Vanguard Group, Inc.	BUY	47.35	Ordinary	14,448	14,448
13-Nov-2018	The Vanguard Group, Inc.	BUY	47.81	Ordinary	21,405	21,405
13-Nov-2018	The Vanguard Group, Inc.	BUY	47.81	Ordinary	2,485	2,485
13-Nov-2018	The Vanguard Group, Inc.	BUY	47.49	Ordinary	4,659	4,659
14-Nov-2018	The Vanguard Group, Inc.	BUY	45.96	Ordinary	9,432	9,432
14-Nov-2018	The Vanguard Group, Inc.	BUY	45.96	Ordinary	7,074	7,074
14-Nov-2018	The Vanguard Group, Inc.	BUY	45.96	Ordinary	5,418	5,418
15-Nov-2018	The Vanguard Group, Inc.	BUY	46.08	Ordinary	15,034	15,034
15-Nov-2018	The Vanguard Group, Inc.	BUY	45.57	Ordinary	4,480	4,480
15-Nov-2018	The Vanguard Group, Inc.	BUY	45.57	Ordinary	1,386	1,386
15-Nov-2018	The Vanguard Group, Inc.	BUY	45.37	Ordinary	511	511
15-Nov-2018	The Vanguard Group, Inc.	BUY	45.37	Ordinary	1,870	1,870
16-Nov-2018	The Vanguard Group, Inc.	BUY	45.36	Ordinary	15,269	15,269
21-Nov-2018	The Vanguard Group, Inc.	BUY	31.94	Ordinary	9,432	9,432
21-Nov-2018	The Vanguard Group, Inc.	BUY	29.89	Ordinary	34,837	34,837
21-Nov-2018	The Vanguard Group, Inc.	SELL	41.58	Ordinary	(34,837)	(34,837)
21-Nov-2018	The Vanguard Group, Inc.	BUY	29.39	Ordinary	26,678	26,678
21-Nov-2018	The Vanguard Group, Inc.	SELL	40.88	Ordinary	(26,678)	(26,678)
21-Nov-2018	The Vanguard Group, Inc.	BUY	32.68	Ordinary	21,810	21,810
21-Nov-2018	The Vanguard Group, Inc.	SELL	45.46	Ordinary	(21,810)	(21,810)
27-Nov-2018	The Vanguard Group, Inc.	BUY	31.67	Ordinary	1,606	1,606
28-Nov-2018	The Vanguard Group, Inc.	BUY	31.64	Ordinary	6,864	6,864
28-Nov-2018	The Vanguard Group, Inc.	BUY	31.64	Ordinary	1,144	1,144
28-Nov-2018	The Vanguard Group, Inc.	BUY	31.64	Ordinary	5,895	5,895
28-Nov-2018	The Vanguard Group, Inc.	BUY	31.64	Ordinary	1,806	1,806
28-Nov-2018	The Vanguard Group, Inc.	BUY	31.64	Ordinary	3,010	3,010
28-Nov-2018	The Vanguard Group, Inc.	BUY	31.64	Ordinary	6,020	6,020
28-Nov-2018	The Vanguard Group, Inc.	BUY	31.64	Ordinary	5,243	5,243
28-Nov-2018	The Vanguard Group, Inc.	BUY	31.49	Ordinary	10,234	10,234
30-Nov-2018	The Vanguard Group, Inc.	BUY	31.33	Ordinary	91,908	91,908
30-Nov-2018	The Vanguard Group, Inc.	BUY	31.51	Ordinary	13,796	13,796
30-Nov-2018	The Vanguard Group, Inc.	SELL	31.51	Ordinary	(31,437)	(31,437)
3-Dec-2018	The Vanguard Group, Inc.	SELL	31.71	Ordinary	(5,310)	(5,310)
4-Dec-2018	The Vanguard Group, Inc.	BUY	30.73	Ordinary	4,480	4,480
4-Dec-2018	The Vanguard Group, Inc.	BUY	30.73	Ordinary	9,432	9,432
4-Dec-2018	The Vanguard Group, Inc.	BUY	30.95	Ordinary	11,458	11,458
5-Dec-2018	The Vanguard Group, Inc.	BUY	30.75	Ordinary	1,713	1,713
5-Dec-2018	The Vanguard Group, Inc.	BUY	30.75	Ordinary	31,026	31,026
5-Dec-2018	The Vanguard Group, Inc.	BUY	30.75	Ordinary	754	754
5-Dec-2018	The Vanguard Group, Inc.	BUY	30.75	Ordinary	13,683	13,683
5-Dec-2018	The Vanguard Group, Inc.	BUY	30.92	Ordinary	176,228	176,228
5-Dec-2018	The Vanguard Group, Inc.	BUY	31.26	Ordinary	5,662	5,662
6-Dec-2018	The Vanguard Group, Inc.	BUY	31.79	Ordinary	3,360	3,360
6-Dec-2018	The Vanguard Group, Inc.	BUY	31.73	Ordinary	7,642	7,642
6-Dec-2018	The Vanguard Group, Inc.	SELL	31.73	Ordinary	(858)	(858)
7-Dec-2018	The Vanguard Group, Inc.	BUY	31.68	Ordinary	21,724	21,724
7-Dec-2018	The Vanguard Group, Inc.	BUY	31.78	Ordinary	8,253	8,253
7-Dec-2018	The Vanguard Group, Inc.	BUY	31.78	Ordinary	9,432	9,432
10-Dec-2018	The Vanguard Group, Inc.	BUY	31.67	Ordinary	15,799	15,799
10-Dec-2018	The Vanguard Group, Inc.	BUY	31.00	Ordinary	6,068	6,068
11-Dec-2018	The Vanguard Group, Inc.	BUY	30.98	Ordinary	29,564	29,564

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11-Dec-2018	The Vanguard Group, Inc.	BUY	31.09	Ordinary	7,074	7,074
11-Dec-2018	The Vanguard Group, Inc.	BUY	31.09	Ordinary	9,432	9,432
12-Dec-2018	The Vanguard Group, Inc.	BUY	31.27	Ordinary	20,043	20,043
12-Dec-2018	The Vanguard Group, Inc.	BUY	31.27	Ordinary	7,074	7,074
12-Dec-2018	The Vanguard Group, Inc.	BUY	31.27	Ordinary	7,074	7,074
12-Dec-2018	The Vanguard Group, Inc.	SELL	31.00	Ordinary	(470)	(470)
12-Dec-2018	The Vanguard Group, Inc.	BUY	31.27	Ordinary	2,996	2,996
13-Dec-2018	The Vanguard Group, Inc.	BUY	31.23	Ordinary	5,243	5,243
13-Dec-2018	The Vanguard Group, Inc.	BUY	31.23	Ordinary	1,386	1,386
13-Dec-2018	The Vanguard Group, Inc.	BUY	31.28	Ordinary	566	566
13-Dec-2018	The Vanguard Group, Inc.	BUY	31.28	Ordinary	45	45
14-Dec-2018	The Vanguard Group, Inc.	BUY	31.20	Ordinary	7,074	7,074
14-Dec-2018	The Vanguard Group, Inc.	BUY	31.20	Ordinary	3,612	3,612
14-Dec-2018	The Vanguard Group, Inc.	BUY	31.20	Ordinary	2,247	2,247
14-Dec-2018	The Vanguard Group, Inc.	BUY	31.25	Ordinary	359	359
14-Dec-2018	The Vanguard Group, Inc.	SELL	31.28	Ordinary	(668)	(668)
14-Dec-2018	The Vanguard Group, Inc.	BUY	31.25	Ordinary	616	616
17-Dec-2018	The Vanguard Group, Inc.	BUY	31.67	Ordinary	14,148	14,148
17-Dec-2018	The Vanguard Group, Inc.	BUY	31.67	Ordinary	7,490	7,490
17-Dec-2018	The Vanguard Group, Inc.	SELL	31.94	Ordinary	(6,881)	(6,881)
18-Dec-2018	The Vanguard Group, Inc.	BUY	32.09	Ordinary	303	303
18-Dec-2018	The Vanguard Group, Inc.	BUY	31.70	Ordinary	909	909
19-Dec-2018	The Vanguard Group, Inc.	BUY	31.92	Ordinary	66,266	66,266
19-Dec-2018	The Vanguard Group, Inc.	BUY	31.95	Ordinary	2,128	2,128
20-Dec-2018	The Vanguard Group, Inc.	BUY	31.75	Ordinary	9,432	9,432
20-Dec-2018	The Vanguard Group, Inc.	SELL	31.88	Ordinary	(4,361)	(4,361)
20-Dec-2018	The Vanguard Group, Inc.	SELL	31.88	Ordinary	(41,355)	(41,355)
20-Dec-2018	The Vanguard Group, Inc.	BUY	31.88	Ordinary	8,752	8,752
21-Dec-2018	The Vanguard Group, Inc.	SELL	31.43	Ordinary	(15,068)	(15,068)
21-Dec-2018	The Vanguard Group, Inc.	BUY	31.44	Ordinary	9,659	9,659
21-Dec-2018	The Vanguard Group, Inc.	SELL	31.43	Ordinary	(691)	(691)
21-Dec-2018	The Vanguard Group, Inc.	SELL	31.43	Ordinary	(6,573)	(6,573)
21-Dec-2018	The Vanguard Group, Inc.	BUY	31.44	Ordinary	334	334
21-Dec-2018	The Vanguard Group, Inc.	BUY	31.44	Ordinary	260	260
21-Dec-2018	The Vanguard Group, Inc.	SELL	31.43	Ordinary	(238)	(238)
21-Dec-2018	The Vanguard Group, Inc.	BUY	31.44	Ordinary	42	42
21-Dec-2018	The Vanguard Group, Inc.	BUY	31.44	Ordinary	16	16
21-Dec-2018	The Vanguard Group, Inc.	BUY	31.43	Ordinary	633	633
24-Dec-2018	The Vanguard Group, Inc.	BUY	31.00	Ordinary	578	578
24-Dec-2018	The Vanguard Group, Inc.	BUY	31.27	Ordinary	12,864	12,864
24-Dec-2018	The Vanguard Group, Inc.	BUY	31.27	Ordinary	8,040	8,040
24-Dec-2018	The Vanguard Group, Inc.	BUY	31.00	Ordinary	20	20
24-Dec-2018	The Vanguard Group, Inc.	BUY	31.00	Ordinary	15	15
24-Dec-2018	The Vanguard Group, Inc.	BUY	31.00	Ordinary	2	2
26-Dec-2018	The Vanguard Group, Inc.	BUY	31.81	Ordinary	9,945	9,945
26-Dec-2018	The Vanguard Group, Inc.	BUY	31.81	Ordinary	4,824	4,824
27-Dec-2018	The Vanguard Group, Inc.	BUY	32.43	Ordinary	1,400	1,400
27-Dec-2018	The Vanguard Group, Inc.	BUY	32.43	Ordinary	12,060	12,060
27-Dec-2018	The Vanguard Group, Inc.	BUY	32.43	Ordinary	2,412	2,412
27-Dec-2018	The Vanguard Group, Inc.	BUY	32.43	Ordinary	4,020	4,020
28-Dec-2018	The Vanguard Group, Inc.	BUY	32.46	Ordinary	3,825	3,825
28-Dec-2018	The Vanguard Group, Inc.	BUY	32.53	Ordinary	2,498	2,498
28-Dec-2018	The Vanguard Group, Inc.	BUY	32.40	Ordinary	10,127	10,127
28-Dec-2018	The Vanguard Group, Inc.	BUY	32.40	Ordinary	185	185
31-Dec-2018	The Vanguard Group, Inc.	BUY	32.25	Ordinary	6,720	6,720
2-Jan-2019	The Vanguard Group, Inc.	BUY	31.75	Ordinary	5,040	5,040
2-Jan-2019	The Vanguard Group, Inc.	BUY	31.75	Ordinary	1,960	1,960
2-Jan-2019	The Vanguard Group, Inc.	BUY	31.75	Ordinary	9,945	9,945
2-Jan-2019	The Vanguard Group, Inc.	BUY	31.75	Ordinary	5,355	5,355
2-Jan-2019	The Vanguard Group, Inc.	BUY	31.95	Ordinary	1,334	1,334
2-Jan-2019	The Vanguard Group, Inc.	BUY	31.75	Ordinary	5,628	5,628
2-Jan-2019	The Vanguard Group, Inc.	BUY	31.75	Ordinary	4,824	4,824
2-Jan-2019	The Vanguard Group, Inc.	BUY	31.75	Ordinary	1,398	1,398
2-Jan-2019	The Vanguard Group, Inc.	BUY	31.55	Ordinary	7,309	7,309
3-Jan-2019	The Vanguard Group, Inc.	BUY	32.16	Ordinary	17,223	17,223
3-Jan-2019	The Vanguard Group, Inc.	BUY	31.50	Ordinary	4,020	4,020
3-Jan-2019	The Vanguard Group, Inc.	BUY	31.50	Ordinary	1,398	1,398
3-Jan-2019	The Vanguard Group, Inc.	BUY	32.16	Ordinary	1,407	1,407
3-Jan-2019	The Vanguard Group, Inc.	BUY	32.16	Ordinary	1,281	1,281

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4-Jan-2019	The Vanguard Group, Inc.	BUY	31.75	Ordinary	23,819	23,819
4-Jan-2019	The Vanguard Group, Inc.	BUY	31.75	Ordinary	21,213	21,213
4-Jan-2019	The Vanguard Group, Inc.	BUY	32.08	Ordinary	445	445
4-Jan-2019	The Vanguard Group, Inc.	BUY	31.75	Ordinary	53	53
7-Jan-2019	The Vanguard Group, Inc.	BUY	32.26	Ordinary	1,608	1,608
8-Jan-2019	The Vanguard Group, Inc.	SELL	32.24	Ordinary	(568)	(568)
8-Jan-2019	The Vanguard Group, Inc.	SELL	32.12	Ordinary	(23,888)	(23,888)
8-Jan-2019	The Vanguard Group, Inc.	BUY	32.22	Ordinary	2,660	2,660
8-Jan-2019	The Vanguard Group, Inc.	BUY	32.22	Ordinary	1,072	1,072
9-Jan-2019	The Vanguard Group, Inc.	BUY	31.99	Ordinary	5,355	5,355
9-Jan-2019	The Vanguard Group, Inc.	SELL	31.98	Ordinary	(11,891)	(11,891)
10-Jan-2019	The Vanguard Group, Inc.	BUY	32.08	Ordinary	4,480	4,480
10-Jan-2019	The Vanguard Group, Inc.	BUY	32.07	Ordinary	14,802	14,802
10-Jan-2019	The Vanguard Group, Inc.	BUY	32.08	Ordinary	2,796	2,796
10-Jan-2019	The Vanguard Group, Inc.	SELL	31.90	Ordinary	(12,877)	(12,877)
10-Jan-2019	The Vanguard Group, Inc.	BUY	31.97	Ordinary	5,841	5,841
11-Jan-2019	The Vanguard Group, Inc.	BUY	32.04	Ordinary	1,680	1,680
11-Jan-2019	The Vanguard Group, Inc.	BUY	32.04	Ordinary	9,180	9,180
14-Jan-2019	The Vanguard Group, Inc.	BUY	31.27	Ordinary	5,355	5,355
15-Jan-2019	The Vanguard Group, Inc.	SELL	32.08	Ordinary	(7,716)	(7,716)
16-Jan-2019	The Vanguard Group, Inc.	BUY	32.08	Ordinary	5,707	5,707
17-Jan-2019	The Vanguard Group, Inc.	SELL	32.35	Ordinary	(7,038)	(7,038)
17-Jan-2019	The Vanguard Group, Inc.	BUY	32.27	Ordinary	1,185	1,185
17-Jan-2019	The Vanguard Group, Inc.	SELL	32.27	Ordinary	(8,898)	(8,898)
18-Jan-2019	The Vanguard Group, Inc.	BUY	32.32	Ordinary	42,089	42,089
18-Jan-2019	The Vanguard Group, Inc.	SELL	32.09	Ordinary	(480)	(480)
18-Jan-2019	The Vanguard Group, Inc.	SELL	32.50	Ordinary	(2,752)	(2,752)
21-Jan-2019	The Vanguard Group, Inc.	BUY	32.66	Ordinary	682	682
22-Jan-2019	The Vanguard Group, Inc.	SELL	32.54	Ordinary	(7,038)	(7,038)
22-Jan-2019	The Vanguard Group, Inc.	BUY	32.60	Ordinary	823	823
22-Jan-2019	The Vanguard Group, Inc.	BUY	32.60	Ordinary	219	219
23-Jan-2019	The Vanguard Group, Inc.	BUY	32.67	Ordinary	21,539	21,539
23-Jan-2019	The Vanguard Group, Inc.	SELL	32.50	Ordinary	(15,249)	(15,249)
23-Jan-2019	The Vanguard Group, Inc.	BUY	32.51	Ordinary	1,088	1,088
24-Jan-2019	The Vanguard Group, Inc.	SELL	32.64	Ordinary	(15,249)	(15,249)
24-Jan-2019	The Vanguard Group, Inc.	BUY	32.58	Ordinary	16,520	16,520
24-Jan-2019	The Vanguard Group, Inc.	BUY	32.58	Ordinary	77	77
25-Jan-2019	The Vanguard Group, Inc.	BUY	32.66	Ordinary	16,207	16,207
28-Jan-2019	The Vanguard Group, Inc.	SELL	32.66	Ordinary	(4,824)	(4,824)
29-Jan-2019	The Vanguard Group, Inc.	SELL	32.51	Ordinary	(22,287)	(22,287)
29-Jan-2019	The Vanguard Group, Inc.	SELL	32.51	Ordinary	(9,384)	(9,384)
29-Jan-2019	The Vanguard Group, Inc.	SELL	32.51	Ordinary	(9,384)	(9,384)
29-Jan-2019	The Vanguard Group, Inc.	SELL	32.51	Ordinary	(4,590)	(4,590)
29-Jan-2019	The Vanguard Group, Inc.	SELL	32.64	Ordinary	(409)	(409)
29-Jan-2019	The Vanguard Group, Inc.	SELL	32.51	Ordinary	(3,216)	(3,216)
29-Jan-2019	The Vanguard Group, Inc.	BUY	32.46	Ordinary	400	400
30-Jan-2019	The Vanguard Group, Inc.	BUY	32.55	Ordinary	1,960	1,960
30-Jan-2019	The Vanguard Group, Inc.	SELL	32.55	Ordinary	(4,824)	(4,824)
30-Jan-2019	The Vanguard Group, Inc.	SELL	32.49	Ordinary	(5,982)	(5,982)
30-Jan-2019	The Vanguard Group, Inc.	BUY	32.49	Ordinary	31,290	31,290
31-Jan-2019	The Vanguard Group, Inc.	SELL	32.27	Ordinary	(3,825)	(3,825)
31-Jan-2019	The Vanguard Group, Inc.	SELL	32.27	Ordinary	(13,668)	(13,668)
31-Jan-2019	The Vanguard Group, Inc.	BUY	32.21	Ordinary	637	637
31-Jan-2019	The Vanguard Group, Inc.	BUY	32.21	Ordinary	517	517
4-Feb-2019	The Vanguard Group, Inc.	SELL	32.44	Ordinary	(6,120)	(6,120)
4-Feb-2019	The Vanguard Group, Inc.	SELL	32.44	Ordinary	(5,355)	(5,355)
5-Feb-2019	The Vanguard Group, Inc.	BUY	32.77	Ordinary	3,080	3,080
5-Feb-2019	The Vanguard Group, Inc.	SELL	32.77	Ordinary	(5,355)	(5,355)
7-Feb-2019	The Vanguard Group, Inc.	SELL	33.35	Ordinary	(8,208)	(8,208)
7-Feb-2019	The Vanguard Group, Inc.	BUY	33.35	Ordinary	5,600	5,600
7-Feb-2019	The Vanguard Group, Inc.	SELL	33.35	Ordinary	(6,120)	(6,120)
7-Feb-2019	The Vanguard Group, Inc.	SELL	33.35	Ordinary	(3,216)	(3,216)
7-Feb-2019	The Vanguard Group, Inc.	SELL	33.35	Ordinary	(3,216)	(3,216)
7-Feb-2019	The Vanguard Group, Inc.	BUY	33.50	Ordinary	119,445	119,445
8-Feb-2019	The Vanguard Group, Inc.	BUY	33.38	Ordinary	11,639	11,639
8-Feb-2019	The Vanguard Group, Inc.	SELL	33.33	Ordinary	(10,452)	(10,452)
8-Feb-2019	The Vanguard Group, Inc.	BUY	33.38	Ordinary	4,193	4,193
8-Feb-2019	The Vanguard Group, Inc.	BUY	33.30	Ordinary	14,305	14,305
11-Feb-2019	The Vanguard Group, Inc.	SELL	33.27	Ordinary	(7,236)	(7,236)

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
11-Feb-2019	The Vanguard Group, Inc.	BUY	33.21	Ordinary	22,624	22,624
12-Feb-2019	The Vanguard Group, Inc.	SELL	33.14	Ordinary	(58,951)	(58,951)
13-Feb-2019	The Vanguard Group, Inc.	BUY	33.28	Ordinary	44,983	44,983
13-Feb-2019	The Vanguard Group, Inc.	BUY	33.20	Ordinary	22,270	22,270
13-Feb-2019	The Vanguard Group, Inc.	SELL	33.25	Ordinary	(4,824)	(4,824)
15-Feb-2019	The Vanguard Group, Inc.	SELL	33.32	Ordinary	(1,530)	(1,530)
15-Feb-2019	The Vanguard Group, Inc.	SELL	33.31	Ordinary	(333)	(333)
18-Feb-2019	The Vanguard Group, Inc.	BUY	33.46	Ordinary	4,014	4,014
20-Feb-2019	The Vanguard Group, Inc.	BUY	32.84	Ordinary	51,118	51,118
20-Feb-2019	The Vanguard Group, Inc.	SELL	32.72	Ordinary	(8,427)	(8,427)
20-Feb-2019	The Vanguard Group, Inc.	BUY	32.72	Ordinary	19,401	19,401
20-Feb-2019	The Vanguard Group, Inc.	BUY	32.72	Ordinary	504	504
21-Feb-2019	The Vanguard Group, Inc.	BUY	33.70	Ordinary	22,917	22,917
21-Feb-2019	The Vanguard Group, Inc.	SELL	35.03	Ordinary	(5,355)	(5,355)
21-Feb-2019	The Vanguard Group, Inc.	SELL	35.03	Ordinary	(4,020)	(4,020)
21-Feb-2019	The Vanguard Group, Inc.	BUY	34.97	Ordinary	397	397
22-Feb-2019	The Vanguard Group, Inc.	SELL	35.16	Ordinary	(22,185)	(22,185)
26-Feb-2019	The Vanguard Group, Inc.	BUY	32.66	Ordinary	5,865	5,865
26-Feb-2019	The Vanguard Group, Inc.	BUY	32.70	Ordinary	401	401
27-Feb-2019	The Vanguard Group, Inc.	BUY	32.92	Ordinary	1,398	1,398
27-Feb-2019	The Vanguard Group, Inc.	BUY	32.88	Ordinary	637	637
28-Feb-2019	The Vanguard Group, Inc.	SELL	32.75	Ordinary	(4,260)	(4,260)
28-Feb-2019	The Vanguard Group, Inc.	SELL	33.18	Ordinary	(20,151)	(20,151)
28-Feb-2019	The Vanguard Group, Inc.	SELL	33.18	Ordinary	(1,597)	(1,597)
1-Mar-2019	The Vanguard Group, Inc.	SELL	33.39	Ordinary	(21,870)	(21,870)
1-Mar-2019	The Vanguard Group, Inc.	SELL	33.39	Ordinary	(2,820)	(2,820)
1-Mar-2019	The Vanguard Group, Inc.	BUY	33.39	Ordinary	894	894
4-Mar-2019	The Vanguard Group, Inc.	BUY	33.70	Ordinary	22,821	22,821
4-Mar-2019	The Vanguard Group, Inc.	SELL	33.70	Ordinary	(21,911)	(21,911)
4-Mar-2019	The Vanguard Group, Inc.	SELL	33.70	Ordinary	(2,606)	(2,606)
4-Mar-2019	The Vanguard Group, Inc.	BUY	33.70	Ordinary	808	808
5-Mar-2019	The Vanguard Group, Inc.	BUY	33.73	Ordinary	7,038	7,038
5-Mar-2019	The Vanguard Group, Inc.	BUY	33.58	Ordinary	51,883	51,883
5-Mar-2019	The Vanguard Group, Inc.	SELL	33.74	Ordinary	(5,502)	(5,502)
5-Mar-2019	The Vanguard Group, Inc.	BUY	33.74	Ordinary	96	96
6-Mar-2019	The Vanguard Group, Inc.	BUY	34.08	Ordinary	5,355	5,355
6-Mar-2019	The Vanguard Group, Inc.	BUY	33.98	Ordinary	98,042	98,042
6-Mar-2019	The Vanguard Group, Inc.	BUY	33.61	Ordinary	4,371	4,371
8-Mar-2019	The Vanguard Group, Inc.	BUY	34.42	Ordinary	5,865	5,865
8-Mar-2019	The Vanguard Group, Inc.	BUY	34.48	Ordinary	510	510
8-Mar-2019	The Vanguard Group, Inc.	BUY	34.49	Ordinary	480	480
11-Mar-2019	The Vanguard Group, Inc.	BUY	34.49	Ordinary	637	637
12-Mar-2019	The Vanguard Group, Inc.	BUY	34.48	Ordinary	50,884	50,884
12-Mar-2019	The Vanguard Group, Inc.	BUY	34.41	Ordinary	7,197	7,197
12-Mar-2019	The Vanguard Group, Inc.	SELL	34.35	Ordinary	(4,005)	(4,005)
13-Mar-2019	The Vanguard Group, Inc.	BUY	34.51	Ordinary	129,008	129,008
13-Mar-2019	The Vanguard Group, Inc.	BUY	34.51	Ordinary	1,954	1,954
13-Mar-2019	The Vanguard Group, Inc.	BUY	34.51	Ordinary	2,807	2,807
14-Mar-2019	The Vanguard Group, Inc.	SELL	34.41	Ordinary	(10,055)	(10,055)
14-Mar-2019	The Vanguard Group, Inc.	BUY	34.41	Ordinary	85	85
15-Mar-2019	The Vanguard Group, Inc.	BUY	34.75	Ordinary	38,464	38,464
15-Mar-2019	The Vanguard Group, Inc.	BUY	34.54	Ordinary	1,856	1,856
15-Mar-2019	The Vanguard Group, Inc.	BUY	34.56	Ordinary	55	55
15-Mar-2019	The Vanguard Group, Inc.	SELL	34.56	Ordinary	(2,205)	(2,205)
15-Mar-2019	The Vanguard Group, Inc.	SELL	34.56	Ordinary	(1,478)	(1,478)
15-Mar-2019	The Vanguard Group, Inc.	BUY	34.56	Ordinary	2	2
15-Mar-2019	The Vanguard Group, Inc.	BUY	34.54	Ordinary	81	81
18-Mar-2019	The Vanguard Group, Inc.	BUY	34.66	Ordinary	3,920	3,920
19-Mar-2019	The Vanguard Group, Inc.	BUY	34.65	Ordinary	7,999	7,999
19-Mar-2019	The Vanguard Group, Inc.	BUY	34.65	Ordinary	296	296
20-Mar-2019	The Vanguard Group, Inc.	BUY	34.71	Ordinary	3,519	3,519
21-Mar-2019	The Vanguard Group, Inc.	BUY	34.51	Ordinary	510	510
21-Mar-2019	The Vanguard Group, Inc.	BUY	34.56	Ordinary	716	716
21-Mar-2019	The Vanguard Group, Inc.	BUY	34.90	Ordinary	175	175
22-Mar-2019	The Vanguard Group, Inc.	BUY	34.92	Ordinary	20,456	20,456
25-Mar-2019	The Vanguard Group, Inc.	SELL	34.87	Ordinary	(2,159)	(2,159)
25-Mar-2019	The Vanguard Group, Inc.	SELL	34.87	Ordinary	(10,847)	(10,847)
26-Mar-2019	The Vanguard Group, Inc.	BUY	33.80	Ordinary	32,390	32,390
26-Mar-2019	The Vanguard Group, Inc.	BUY	34.14	Ordinary	26,309	26,309

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27-Mar-2019	The Vanguard Group, Inc.	SELL	34.09	Ordinary	(651)	(651)
27-Mar-2019	The Vanguard Group, Inc.	BUY	34.00	Ordinary	1,456	1,456
27-Mar-2019	The Vanguard Group, Inc.	SELL	34.04	Ordinary	(324)	(324)
28-Mar-2019	The Vanguard Group, Inc.	BUY	34.33	Ordinary	33,447	33,447
28-Mar-2019	The Vanguard Group, Inc.	SELL	34.92	Ordinary	(3,345)	(3,345)
29-Mar-2019	The Vanguard Group, Inc.	BUY	34.65	Ordinary	20,255	20,255
29-Mar-2019	The Vanguard Group, Inc.	SELL	34.68	Ordinary	(3,825)	(3,825)
29-Mar-2019	The Vanguard Group, Inc.	BUY	34.65	Ordinary	637	637
29-Mar-2019	The Vanguard Group, Inc.	SELL	34.65	Ordinary	(15,315)	(15,315)
1-Apr-2019	The Vanguard Group, Inc.	BUY	34.57	Ordinary	4,692	4,692
1-Apr-2019	The Vanguard Group, Inc.	BUY	34.57	Ordinary	1,456	1,456
1-Apr-2019	The Vanguard Group, Inc.	BUY	34.48	Ordinary	586	586
2-Apr-2019	The Vanguard Group, Inc.	BUY	34.46	Ordinary	25,955	25,955
2-Apr-2019	The Vanguard Group, Inc.	BUY	34.46	Ordinary	214	214
3-Apr-2019	The Vanguard Group, Inc.	BUY	34.68	Ordinary	20,379	20,379
4-Apr-2019	The Vanguard Group, Inc.	BUY	34.99	Ordinary	12,997	12,997
4-Apr-2019	The Vanguard Group, Inc.	BUY	34.69	Ordinary	2,234	2,234
4-Apr-2019	The Vanguard Group, Inc.	SELL	34.69	Ordinary	(8,660)	(8,660)
4-Apr-2019	The Vanguard Group, Inc.	BUY	34.69	Ordinary	628	628
5-Apr-2019	The Vanguard Group, Inc.	BUY	34.30	Ordinary	5,600	5,600
5-Apr-2019	The Vanguard Group, Inc.	BUY	34.30	Ordinary	1,456	1,456
8-Apr-2019	The Vanguard Group, Inc.	SELL	34.41	Ordinary	(9,180)	(9,180)
8-Apr-2019	The Vanguard Group, Inc.	BUY	34.41	Ordinary	1,456	1,456
9-Apr-2019	The Vanguard Group, Inc.	SELL	34.14	Ordinary	(6,728)	(6,728)
10-Apr-2019	The Vanguard Group, Inc.	BUY	34.23	Ordinary	39,182	39,182
10-Apr-2019	The Vanguard Group, Inc.	BUY	34.26	Ordinary	27,234	27,234
10-Apr-2019	The Vanguard Group, Inc.	BUY	34.26	Ordinary	1,200	1,200
10-Apr-2019	The Vanguard Group, Inc.	BUY	34.23	Ordinary	8,716	8,716
12-Apr-2019	The Vanguard Group, Inc.	BUY	34.73	Ordinary	20,424	20,424
12-Apr-2019	The Vanguard Group, Inc.	BUY	34.53	Ordinary	8,173	8,173
12-Apr-2019	The Vanguard Group, Inc.	BUY	34.51	Ordinary	5,150	5,150
12-Apr-2019	The Vanguard Group, Inc.	BUY	34.53	Ordinary	335	335
15-Apr-2019	The Vanguard Group, Inc.	SELL	34.42	Ordinary	(5,355)	(5,355)
16-Apr-2019	The Vanguard Group, Inc.	BUY	34.79	Ordinary	43,432	43,432
16-Apr-2019	The Vanguard Group, Inc.	BUY	34.86	Ordinary	637	637
18-Apr-2019	The Vanguard Group, Inc.	BUY	34.99	Ordinary	14,242	14,242
23-Apr-2019	The Vanguard Group, Inc.	BUY	35.73	Ordinary	5,040	5,040
23-Apr-2019	The Vanguard Group, Inc.	SELL	35.73	Ordinary	(3,060)	(3,060)
23-Apr-2019	The Vanguard Group, Inc.	SELL	35.61	Ordinary	(6,276)	(6,276)
24-Apr-2019	The Vanguard Group, Inc.	SELL	35.99	Ordinary	(11,793)	(11,793)
24-Apr-2019	The Vanguard Group, Inc.	BUY	35.99	Ordinary	1,058	1,058
25-Apr-2019	The Vanguard Group, Inc.	SELL	36.06	Ordinary	(3,825)	(3,825)
26-Apr-2019	The Vanguard Group, Inc.	BUY	35.99	Ordinary	5,865	5,865
26-Apr-2019	The Vanguard Group, Inc.	SELL	35.99	Ordinary	(3,825)	(3,825)
26-Apr-2019	The Vanguard Group, Inc.	SELL	36.15	Ordinary	(427)	(427)
30-Apr-2019	The Vanguard Group, Inc.	BUY	35.97	Ordinary	24	24
3-May-2019	The Vanguard Group, Inc.	BUY	36.06	Ordinary	21,441	21,441
3-May-2019	The Vanguard Group, Inc.	BUY	36.39	Ordinary	2,234	2,234
3-May-2019	The Vanguard Group, Inc.	BUY	36.39	Ordinary	2,234	2,234
3-May-2019	The Vanguard Group, Inc.	BUY	36.37	Ordinary	1,141	1,141
6-May-2019	The Vanguard Group, Inc.	SELL	35.88	Ordinary	(6,156)	(6,156)
7-May-2019	The Vanguard Group, Inc.	BUY	36.00	Ordinary	5,473	5,473
7-May-2019	The Vanguard Group, Inc.	BUY	36.00	Ordinary	50,093	50,093
7-May-2019	The Vanguard Group, Inc.	BUY	35.93	Ordinary	2,800	2,800
7-May-2019	The Vanguard Group, Inc.	BUY	36.00	Ordinary	19,095	19,095
7-May-2019	The Vanguard Group, Inc.	BUY	36.00	Ordinary	772	772
8-May-2019	The Vanguard Group, Inc.	SELL	36.11	Ordinary	(6,156)	(6,156)
8-May-2019	The Vanguard Group, Inc.	BUY	36.01	Ordinary	41,820	41,820
8-May-2019	The Vanguard Group, Inc.	BUY	36.01	Ordinary	15,023	15,023
8-May-2019	The Vanguard Group, Inc.	BUY	36.08	Ordinary	510	510
8-May-2019	The Vanguard Group, Inc.	BUY	36.08	Ordinary	3,475	3,475
9-May-2019	The Vanguard Group, Inc.	BUY	36.01	Ordinary	19,774	19,774
9-May-2019	The Vanguard Group, Inc.	BUY	36.25	Ordinary	7,038	7,038
9-May-2019	The Vanguard Group, Inc.	BUY	36.25	Ordinary	1,432	1,432
10-May-2019	The Vanguard Group, Inc.	BUY	36.53	Ordinary	19,700	19,700
10-May-2019	The Vanguard Group, Inc.	BUY	36.59	Ordinary	510	510
10-May-2019	The Vanguard Group, Inc.	SELL	36.59	Ordinary	(17,999)	(17,999)
10-May-2019	The Vanguard Group, Inc.	BUY	36.59	Ordinary	1,220	1,220
13-May-2019	The Vanguard Group, Inc.	BUY	36.59	Ordinary	5,038	5,038

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13-May-2019	The Vanguard Group, Inc.	BUY	36.62	Ordinary	1,199	1,199
14-May-2019	The Vanguard Group, Inc.	SELL	36.39	Ordinary	(6,156)	(6,156)
14-May-2019	The Vanguard Group, Inc.	BUY	36.39	Ordinary	3,660	3,660
14-May-2019	The Vanguard Group, Inc.	BUY	36.39	Ordinary	716	716
14-May-2019	The Vanguard Group, Inc.	BUY	36.37	Ordinary	637	637
14-May-2019	The Vanguard Group, Inc.	BUY	36.30	Ordinary	314	314
15-May-2019	The Vanguard Group, Inc.	BUY	36.32	Ordinary	14,953	14,953
16-May-2019	The Vanguard Group, Inc.	BUY	36.15	Ordinary	3,286	3,286
16-May-2019	The Vanguard Group, Inc.	BUY	36.07	Ordinary	7,184	7,184
16-May-2019	The Vanguard Group, Inc.	BUY	36.04	Ordinary	176,534	176,534
17-May-2019	The Vanguard Group, Inc.	BUY	36.42	Ordinary	17,236	17,236
17-May-2019	The Vanguard Group, Inc.	BUY	36.36	Ordinary	1,073	1,073
17-May-2019	The Vanguard Group, Inc.	BUY	36.44	Ordinary	50,054	50,054
17-May-2019	The Vanguard Group, Inc.	BUY	36.42	Ordinary	409	409
20-May-2019	The Vanguard Group, Inc.	BUY	36.63	Ordinary	2,800	2,800
21-May-2019	The Vanguard Group, Inc.	BUY	36.52	Ordinary	78,732	78,732
21-May-2019	The Vanguard Group, Inc.	BUY	36.52	Ordinary	7,998	7,998
21-May-2019	The Vanguard Group, Inc.	BUY	36.66	Ordinary	5,379	5,379
22-May-2019	The Vanguard Group, Inc.	BUY	37.00	Ordinary	57,661	57,661
22-May-2019	The Vanguard Group, Inc.	BUY	37.00	Ordinary	5,200	5,200
22-May-2019	The Vanguard Group, Inc.	BUY	37.12	Ordinary	5,195	5,195
23-May-2019	The Vanguard Group, Inc.	BUY	37.43	Ordinary	19,612	19,612
23-May-2019	The Vanguard Group, Inc.	BUY	37.70	Ordinary	2,238	2,238
24-May-2019	The Vanguard Group, Inc.	BUY	37.63	Ordinary	1,854	1,854
28-May-2019	The Vanguard Group, Inc.	BUY	37.76	Ordinary	5,865	5,865
28-May-2019	The Vanguard Group, Inc.	SELL	37.95	Ordinary	(198)	(198)
28-May-2019	The Vanguard Group, Inc.	SELL	37.95	Ordinary	(23,524)	(23,524)
28-May-2019	The Vanguard Group, Inc.	BUY	37.95	Ordinary	5,130	5,130
29-May-2019	The Vanguard Group, Inc.	BUY	37.55	Ordinary	1,788	1,788
29-May-2019	The Vanguard Group, Inc.	BUY	37.55	Ordinary	23,586	23,586
29-May-2019	The Vanguard Group, Inc.	SELL	37.30	Ordinary	(7,650)	(7,650)
29-May-2019	The Vanguard Group, Inc.	SELL	37.33	Ordinary	(829)	(829)
29-May-2019	The Vanguard Group, Inc.	BUY	37.33	Ordinary	842	842
29-May-2019	The Vanguard Group, Inc.	BUY	37.57	Ordinary	1,911	1,911
29-May-2019	The Vanguard Group, Inc.	BUY	37.57	Ordinary	539	539
30-May-2019	The Vanguard Group, Inc.	BUY	36.99	Ordinary	22,852	22,852
30-May-2019	The Vanguard Group, Inc.	BUY	36.99	Ordinary	3,878	3,878
30-May-2019	The Vanguard Group, Inc.	BUY	36.96	Ordinary	510	510
31-May-2019	The Vanguard Group, Inc.	BUY	37.08	Ordinary	25,636	25,636
31-May-2019	The Vanguard Group, Inc.	BUY	37.08	Ordinary	987	987
31-May-2019	The Vanguard Group, Inc.	SELL	37.05	Ordinary	(31,361)	(31,361)
3-Jun-2019	The Vanguard Group, Inc.	BUY	36.73	Ordinary	2,800	2,800
3-Jun-2019	The Vanguard Group, Inc.	BUY	37.00	Ordinary	5,827	5,827
3-Jun-2019	The Vanguard Group, Inc.	BUY	37.00	Ordinary	392	392
3-Jun-2019	The Vanguard Group, Inc.	BUY	37.00	Ordinary	157	157
4-Jun-2019	The Vanguard Group, Inc.	SELL	37.19	Ordinary	(3,825)	(3,825)
4-Jun-2019	The Vanguard Group, Inc.	BUY	36.95	Ordinary	10,489	10,489
4-Jun-2019	The Vanguard Group, Inc.	BUY	36.95	Ordinary	9,676	9,676
5-Jun-2019	The Vanguard Group, Inc.	SELL	37.35	Ordinary	(8,208)	(8,208)
5-Jun-2019	The Vanguard Group, Inc.	SELL	37.35	Ordinary	(4,104)	(4,104)
5-Jun-2019	The Vanguard Group, Inc.	SELL	37.21	Ordinary	(2,234)	(2,234)
6-Jun-2019	The Vanguard Group, Inc.	BUY	37.72	Ordinary	39,392	39,392
6-Jun-2019	The Vanguard Group, Inc.	BUY	38.03	Ordinary	1,432	1,432
6-Jun-2019	The Vanguard Group, Inc.	BUY	37.96	Ordinary	637	637
6-Jun-2019	The Vanguard Group, Inc.	SELL	37.96	Ordinary	(37,170)	(37,170)
6-Jun-2019	The Vanguard Group, Inc.	BUY	37.55	Ordinary	4,931	4,931
6-Jun-2019	The Vanguard Group, Inc.	BUY	37.72	Ordinary	514	514
6-Jun-2019	The Vanguard Group, Inc.	BUY	37.55	Ordinary	1,554	1,554
7-Jun-2019	The Vanguard Group, Inc.	BUY	37.67	Ordinary	1,432	1,432
7-Jun-2019	The Vanguard Group, Inc.	BUY	37.65	Ordinary	9,507	9,507
7-Jun-2019	The Vanguard Group, Inc.	BUY	37.65	Ordinary	295	295
10-Jun-2019	The Vanguard Group, Inc.	BUY	37.81	Ordinary	3,360	3,360
11-Jun-2019	The Vanguard Group, Inc.	SELL	38.51	Ordinary	(5,130)	(5,130)
11-Jun-2019	The Vanguard Group, Inc.	BUY	38.56	Ordinary	510	510
11-Jun-2019	The Vanguard Group, Inc.	BUY	38.04	Ordinary	38	38
12-Jun-2019	The Vanguard Group, Inc.	BUY	38.28	Ordinary	3,360	3,360
12-Jun-2019	The Vanguard Group, Inc.	BUY	38.25	Ordinary	10,804	10,804
12-Jun-2019	The Vanguard Group, Inc.	BUY	38.25	Ordinary	781	781
13-Jun-2019	The Vanguard Group, Inc.	BUY	36.32	Ordinary	1,120	1,120

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13-Jun-2019	The Vanguard Group, Inc.	BUY	36.83	Ordinary	114,804	114,804
13-Jun-2019	The Vanguard Group, Inc.	SELL	36.47	Ordinary	(34,907)	(34,907)
13-Jun-2019	The Vanguard Group, Inc.	BUY	36.83	Ordinary	559	559
14-Jun-2019	The Vanguard Group, Inc.	SELL	35.66	Ordinary	(7,795)	(7,795)
14-Jun-2019	The Vanguard Group, Inc.	SELL	35.72	Ordinary	(3,078)	(3,078)
14-Jun-2019	The Vanguard Group, Inc.	SELL	35.68	Ordinary	(31,199)	(31,199)
17-Jun-2019	The Vanguard Group, Inc.	BUY	35.78	Ordinary	637	637
17-Jun-2019	The Vanguard Group, Inc.	SELL	35.78	Ordinary	(9,393)	(9,393)
18-Jun-2019	The Vanguard Group, Inc.	SELL	35.75	Ordinary	(2,535)	(2,535)
18-Jun-2019	The Vanguard Group, Inc.	BUY	36.48	Ordinary	1,432	1,432
19-Jun-2019	The Vanguard Group, Inc.	BUY	36.52	Ordinary	14,667	14,667
20-Jun-2019	The Vanguard Group, Inc.	BUY	36.66	Ordinary	2,800	2,800
21-Jun-2019	The Vanguard Group, Inc.	SELL	36.41	Ordinary	(57,080)	(57,080)
21-Jun-2019	The Vanguard Group, Inc.	BUY	36.41	Ordinary	1,400	1,400
21-Jun-2019	The Vanguard Group, Inc.	BUY	36.41	Ordinary	2,756	2,756
21-Jun-2019	The Vanguard Group, Inc.	BUY	36.41	Ordinary	4,309	4,309
21-Jun-2019	The Vanguard Group, Inc.	SELL	36.41	Ordinary	(595)	(595)
21-Jun-2019	The Vanguard Group, Inc.	BUY	36.41	Ordinary	746	746
24-Jun-2019	The Vanguard Group, Inc.	BUY	36.39	Ordinary	6,448	6,448
24-Jun-2019	The Vanguard Group, Inc.	BUY	36.41	Ordinary	394	394
25-Jun-2019	The Vanguard Group, Inc.	SELL	36.52	Ordinary	(3,078)	(3,078)
25-Jun-2019	The Vanguard Group, Inc.	BUY	36.48	Ordinary	23,340	23,340
25-Jun-2019	The Vanguard Group, Inc.	BUY	36.52	Ordinary	1,680	1,680
25-Jun-2019	The Vanguard Group, Inc.	BUY	36.52	Ordinary	2,520	2,520
25-Jun-2019	The Vanguard Group, Inc.	BUY	36.63	Ordinary	2,310	2,310
25-Jun-2019	The Vanguard Group, Inc.	SELL	36.63	Ordinary	(781)	(781)
26-Jun-2019	The Vanguard Group, Inc.	BUY	36.20	Ordinary	3,360	3,360
26-Jun-2019	The Vanguard Group, Inc.	BUY	36.20	Ordinary	1,960	1,960
26-Jun-2019	The Vanguard Group, Inc.	BUY	36.27	Ordinary	2,234	2,234
26-Jun-2019	The Vanguard Group, Inc.	BUY	36.27	Ordinary	3,153	3,153
27-Jun-2019	The Vanguard Group, Inc.	BUY	35.81	Ordinary	14,600	14,600
27-Jun-2019	The Vanguard Group, Inc.	SELL	36.59	Ordinary	(1,009)	(1,009)
27-Jun-2019	The Vanguard Group, Inc.	BUY	35.81	Ordinary	235	235
28-Jun-2019	The Vanguard Group, Inc.	BUY	36.16	Ordinary	37,797	37,797
28-Jun-2019	The Vanguard Group, Inc.	SELL	36.16	Ordinary	(90)	(90)
28-Jun-2019	The Vanguard Group, Inc.	SELL	36.16	Ordinary	(54)	(54)
1-Jul-2019	The Vanguard Group, Inc.	BUY	36.23	Ordinary	2,602	2,602
2-Jul-2019	The Vanguard Group, Inc.	BUY	36.12	Ordinary	2,520	2,520
2-Jul-2019	The Vanguard Group, Inc.	BUY	36.14	Ordinary	21,048	21,048
2-Jul-2019	The Vanguard Group, Inc.	SELL	36.14	Ordinary	(69)	(69)
3-Jul-2019	The Vanguard Group, Inc.	BUY	35.82	Ordinary	9,683	9,683
4-Jul-2019	The Vanguard Group, Inc.	BUY	36.42	Ordinary	10,114	10,114
5-Jul-2019	The Vanguard Group, Inc.	BUY	37.26	Ordinary	4,692	4,692
8-Jul-2019	The Vanguard Group, Inc.	BUY	37.40	Ordinary	988	988
9-Jul-2019	The Vanguard Group, Inc.	BUY	37.19	Ordinary	2,800	2,800
9-Jul-2019	The Vanguard Group, Inc.	BUY	37.07	Ordinary	2,574	2,574
9-Jul-2019	The Vanguard Group, Inc.	BUY	37.07	Ordinary	637	637
10-Jul-2019	The Vanguard Group, Inc.	BUY	37.33	Ordinary	27,975	27,975
10-Jul-2019	The Vanguard Group, Inc.	BUY	37.33	Ordinary	11,886	11,886
10-Jul-2019	The Vanguard Group, Inc.	BUY	37.46	Ordinary	3,348	3,348
11-Jul-2019	The Vanguard Group, Inc.	BUY	37.15	Ordinary	1,715	1,715
11-Jul-2019	The Vanguard Group, Inc.	BUY	37.15	Ordinary	853	853
12-Jul-2019	The Vanguard Group, Inc.	BUY	37.75	Ordinary	4,072	4,072
12-Jul-2019	The Vanguard Group, Inc.	BUY	37.75	Ordinary	19,067	19,067
12-Jul-2019	The Vanguard Group, Inc.	SELL	37.76	Ordinary	(4,673)	(4,673)
12-Jul-2019	The Vanguard Group, Inc.	SELL	37.76	Ordinary	(17,230)	(17,230)
15-Jul-2019	The Vanguard Group, Inc.	BUY	37.83	Ordinary	7,038	7,038
17-Jul-2019	The Vanguard Group, Inc.	BUY	38.19	Ordinary	24,758	24,758
17-Jul-2019	The Vanguard Group, Inc.	BUY	38.33	Ordinary	1,960	1,960
17-Jul-2019	The Vanguard Group, Inc.	BUY	38.33	Ordinary	2,800	2,800
17-Jul-2019	The Vanguard Group, Inc.	BUY	38.33	Ordinary	1,400	1,400
17-Jul-2019	The Vanguard Group, Inc.	SELL	38.41	Ordinary	(802)	(802)
18-Jul-2019	The Vanguard Group, Inc.	SELL	38.40	Ordinary	(4,468)	(4,468)
19-Jul-2019	The Vanguard Group, Inc.	BUY	38.42	Ordinary	1,442	1,442
22-Jul-2019	The Vanguard Group, Inc.	BUY	38.48	Ordinary	2,800	2,800
22-Jul-2019	The Vanguard Group, Inc.	BUY	38.48	Ordinary	5,865	5,865
22-Jul-2019	The Vanguard Group, Inc.	BUY	38.48	Ordinary	5,865	5,865
22-Jul-2019	The Vanguard Group, Inc.	BUY	38.48	Ordinary	1,442	1,442
22-Jul-2019	The Vanguard Group, Inc.	SELL	38.48	Ordinary	(19,972)	(19,972)

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23-Jul-2019	The Vanguard Group, Inc.	BUY	39.01	Ordinary	2,800	2,800
23-Jul-2019	The Vanguard Group, Inc.	BUY	38.89	Ordinary	510	510
23-Jul-2019	The Vanguard Group, Inc.	BUY	38.71	Ordinary	494	494
25-Jul-2019	The Vanguard Group, Inc.	BUY	39.84	Ordinary	2,418	2,418
26-Jul-2019	The Vanguard Group, Inc.	BUY	39.86	Ordinary	2,520	2,520
26-Jul-2019	The Vanguard Group, Inc.	BUY	39.86	Ordinary	4,030	4,030
26-Jul-2019	The Vanguard Group, Inc.	BUY	39.86	Ordinary	1,442	1,442
26-Jul-2019	The Vanguard Group, Inc.	SELL	39.74	Ordinary	(4,441)	(4,441)
26-Jul-2019	The Vanguard Group, Inc.	BUY	39.74	Ordinary	306	306
29-Jul-2019	The Vanguard Group, Inc.	SELL	40.05	Ordinary	(24,589)	(24,589)
30-Jul-2019	The Vanguard Group, Inc.	SELL	39.87	Ordinary	(4,104)	(4,104)
30-Jul-2019	The Vanguard Group, Inc.	SELL	40.43	Ordinary	(724)	(724)
30-Jul-2019	The Vanguard Group, Inc.	BUY	39.84	Ordinary	2,187	2,187
30-Jul-2019	The Vanguard Group, Inc.	BUY	39.84	Ordinary	14,657	14,657
31-Jul-2019	The Vanguard Group, Inc.	BUY	39.16	Ordinary	2,520	2,520
1-Aug-2019	The Vanguard Group, Inc.	BUY	39.43	Ordinary	74,234	74,234
1-Aug-2019	The Vanguard Group, Inc.	BUY	39.66	Ordinary	10,557	10,557
1-Aug-2019	The Vanguard Group, Inc.	SELL	39.63	Ordinary	(42,544)	(42,544)
1-Aug-2019	The Vanguard Group, Inc.	SELL	39.00	Ordinary	(1,300)	(1,300)
1-Aug-2019	The Vanguard Group, Inc.	SELL	39.00	Ordinary	(972)	(972)
2-Aug-2019	The Vanguard Group, Inc.	BUY	39.22	Ordinary	35,954	35,954
2-Aug-2019	The Vanguard Group, Inc.	BUY	38.83	Ordinary	3,224	3,224
5-Aug-2019	The Vanguard Group, Inc.	BUY	38.80	Ordinary	2,800	2,800
5-Aug-2019	The Vanguard Group, Inc.	SELL	38.80	Ordinary	(1,530)	(1,530)
5-Aug-2019	The Vanguard Group, Inc.	SELL	38.80	Ordinary	(3,825)	(3,825)
5-Aug-2019	The Vanguard Group, Inc.	BUY	38.80	Ordinary	4,030	4,030
5-Aug-2019	The Vanguard Group, Inc.	BUY	38.96	Ordinary	3,684	3,684
5-Aug-2019	The Vanguard Group, Inc.	BUY	39.16	Ordinary	1,020	1,020
6-Aug-2019	The Vanguard Group, Inc.	BUY	38.08	Ordinary	41,906	41,906
6-Aug-2019	The Vanguard Group, Inc.	SELL	38.13	Ordinary	(6,120)	(6,120)
6-Aug-2019	The Vanguard Group, Inc.	SELL	38.13	Ordinary	(13,005)	(13,005)
6-Aug-2019	The Vanguard Group, Inc.	BUY	38.13	Ordinary	721	721
6-Aug-2019	The Vanguard Group, Inc.	BUY	37.98	Ordinary	13,176	13,176
6-Aug-2019	The Vanguard Group, Inc.	BUY	37.89	Ordinary	846	846
7-Aug-2019	The Vanguard Group, Inc.	BUY	38.18	Ordinary	31,281	31,281
7-Aug-2019	The Vanguard Group, Inc.	BUY	38.18	Ordinary	12,124	12,124
7-Aug-2019	The Vanguard Group, Inc.	SELL	38.00	Ordinary	(349)	(349)
7-Aug-2019	The Vanguard Group, Inc.	BUY	38.33	Ordinary	129,301	129,301
7-Aug-2019	The Vanguard Group, Inc.	BUY	38.33	Ordinary	710	710
7-Aug-2019	The Vanguard Group, Inc.	BUY	38.33	Ordinary	731	731
7-Aug-2019	The Vanguard Group, Inc.	SELL	38.00	Ordinary	(170)	(170)
8-Aug-2019	The Vanguard Group, Inc.	SELL	39.24	Ordinary	(5,130)	(5,130)
8-Aug-2019	The Vanguard Group, Inc.	BUY	39.09	Ordinary	1,802	1,802
9-Aug-2019	The Vanguard Group, Inc.	BUY	38.68	Ordinary	25,807	25,807
9-Aug-2019	The Vanguard Group, Inc.	BUY	38.68	Ordinary	2,870	2,870
9-Aug-2019	The Vanguard Group, Inc.	BUY	38.83	Ordinary	2,163	2,163
9-Aug-2019	The Vanguard Group, Inc.	BUY	38.68	Ordinary	795	795
12-Aug-2019	The Vanguard Group, Inc.	BUY	38.96	Ordinary	4,480	4,480
12-Aug-2019	The Vanguard Group, Inc.	BUY	39.11	Ordinary	510	510
13-Aug-2019	The Vanguard Group, Inc.	SELL	38.67	Ordinary	(7,182)	(7,182)
13-Aug-2019	The Vanguard Group, Inc.	BUY	38.67	Ordinary	1,442	1,442
13-Aug-2019	The Vanguard Group, Inc.	BUY	38.66	Ordinary	728	728
14-Aug-2019	The Vanguard Group, Inc.	BUY	38.82	Ordinary	28,178	28,178
14-Aug-2019	The Vanguard Group, Inc.	BUY	38.82	Ordinary	13,468	13,468
14-Aug-2019	The Vanguard Group, Inc.	BUY	39.00	Ordinary	637	637
14-Aug-2019	The Vanguard Group, Inc.	SELL	38.68	Ordinary	(3,363)	(3,363)
15-Aug-2019	The Vanguard Group, Inc.	SELL	37.77	Ordinary	(6,156)	(6,156)
15-Aug-2019	The Vanguard Group, Inc.	BUY	38.50	Ordinary	24,192	24,192
16-Aug-2019	The Vanguard Group, Inc.	BUY	37.84	Ordinary	32,916	32,916
16-Aug-2019	The Vanguard Group, Inc.	BUY	37.85	Ordinary	35,510	35,510
16-Aug-2019	The Vanguard Group, Inc.	BUY	37.85	Ordinary	69,216	69,216
16-Aug-2019	The Vanguard Group, Inc.	BUY	37.84	Ordinary	4,441	4,441
16-Aug-2019	The Vanguard Group, Inc.	BUY	37.84	Ordinary	711	711
16-Aug-2019	The Vanguard Group, Inc.	SELL	37.84	Ordinary	(673)	(673)
19-Aug-2019	The Vanguard Group, Inc.	BUY	38.22	Ordinary	12,128	12,128
19-Aug-2019	The Vanguard Group, Inc.	SELL	38.22	Ordinary	(814)	(814)
19-Aug-2019	The Vanguard Group, Inc.	BUY	38.14	Ordinary	12,488	12,488
20-Aug-2019	The Vanguard Group, Inc.	SELL	38.88	Ordinary	(3,060)	(3,060)
20-Aug-2019	The Vanguard Group, Inc.	SELL	38.71	Ordinary	(1,975)	(1,975)

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22-Aug-2019	The Vanguard Group, Inc.	BUY	38.87	Ordinary	5,600	5,600
22-Aug-2019	The Vanguard Group, Inc.	SELL	39.01	Ordinary	(7,972)	(7,972)
27-Aug-2019	The Vanguard Group, Inc.	SELL	39.06	Ordinary	(456)	(456)
27-Aug-2019	The Vanguard Group, Inc.	BUY	39.10	Ordinary	598	598
27-Aug-2019	The Vanguard Group, Inc.	SELL	39.06	Ordinary	(4,730)	(4,730)
29-Aug-2019	The Vanguard Group, Inc.	BUY	39.31	Ordinary	15,874	15,874
30-Aug-2019	The Vanguard Group, Inc.	BUY	39.10	Ordinary	23,131	23,131
2-Sep-2019	The Vanguard Group, Inc.	BUY	38.61	Ordinary	11,270	11,270
4-Sep-2019	The Vanguard Group, Inc.	SELL	38.01	Ordinary	(876)	(876)
5-Sep-2019	The Vanguard Group, Inc.	BUY	38.98	Ordinary	38,999	38,999
6-Sep-2019	The Vanguard Group, Inc.	BUY	39.54	Ordinary	615	615
6-Sep-2019	The Vanguard Group, Inc.	SELL	39.39	Ordinary	(2,288)	(2,288)
9-Sep-2019	The Vanguard Group, Inc.	BUY	39.61	Ordinary	3,640	3,640
10-Sep-2019	The Vanguard Group, Inc.	SELL	39.65	Ordinary	(32)	(32)
11-Sep-2019	The Vanguard Group, Inc.	BUY	39.75	Ordinary	3,640	3,640
12-Sep-2019	The Vanguard Group, Inc.	BUY	39.53	Ordinary	2,800	2,800
13-Sep-2019	The Vanguard Group, Inc.	SELL	39.20	Ordinary	(384)	(384)
16-Sep-2019	The Vanguard Group, Inc.	BUY	39.39	Ordinary	3,105	3,105
16-Sep-2019	The Vanguard Group, Inc.	BUY	39.30	Ordinary	6,379	6,379
17-Sep-2019	The Vanguard Group, Inc.	BUY	38.98	Ordinary	559	559
18-Sep-2019	The Vanguard Group, Inc.	BUY	38.84	Ordinary	2,520	2,520
18-Sep-2019	The Vanguard Group, Inc.	BUY	38.89	Ordinary	107,336	107,336
20-Sep-2019	The Vanguard Group, Inc.	SELL	39.68	Ordinary	(3,316)	(3,316)
20-Sep-2019	The Vanguard Group, Inc.	SELL	39.68	Ordinary	(164,631)	(164,631)
20-Sep-2019	The Vanguard Group, Inc.	BUY	39.67	Ordinary	11,194	11,194
20-Sep-2019	The Vanguard Group, Inc.	BUY	39.67	Ordinary	392	392
20-Sep-2019	The Vanguard Group, Inc.	SELL	39.68	Ordinary	(1,346)	(1,346)
23-Sep-2019	The Vanguard Group, Inc.	BUY	39.89	Ordinary	2,800	2,800
24-Sep-2019	The Vanguard Group, Inc.	BUY	40.17	Ordinary	17,158	17,158
24-Sep-2019	The Vanguard Group, Inc.	SELL	40.17	Ordinary	(906)	(906)
24-Sep-2019	The Vanguard Group, Inc.	BUY	40.17	Ordinary	1,250	1,250
25-Sep-2019	The Vanguard Group, Inc.	BUY	40.00	Ordinary	2,800	2,800
25-Sep-2019	The Vanguard Group, Inc.	BUY	39.81	Ordinary	1,064	1,064
25-Sep-2019	The Vanguard Group, Inc.	BUY	39.81	Ordinary	16,897	16,897
25-Sep-2019	The Vanguard Group, Inc.	BUY	40.20	Ordinary	648	648
26-Sep-2019	The Vanguard Group, Inc.	BUY	40.04	Ordinary	4,408	4,408
27-Sep-2019	The Vanguard Group, Inc.	SELL	40.35	Ordinary	(424)	(424)
30-Sep-2019	The Vanguard Group, Inc.	BUY	39.81	Ordinary	1,442	1,442
30-Sep-2019	The Vanguard Group, Inc.	SELL	40.28	Ordinary	(8,185)	(8,185)
1-Oct-2019	The Vanguard Group, Inc.	BUY	40.19	Ordinary	2,202	2,202
2-Oct-2019	The Vanguard Group, Inc.	BUY	39.11	Ordinary	721	721
2-Oct-2019	The Vanguard Group, Inc.	SELL	39.63	Ordinary	(655)	(655)
4-Oct-2019	The Vanguard Group, Inc.	BUY	38.67	Ordinary	10,487	10,487
4-Oct-2019	The Vanguard Group, Inc.	BUY	38.62	Ordinary	50,700	50,700
4-Oct-2019	The Vanguard Group, Inc.	BUY	38.67	Ordinary	431	431
10-Oct-2019	The Vanguard Group, Inc.	BUY	39.11	Ordinary	8,400	8,400
10-Oct-2019	The Vanguard Group, Inc.	BUY	39.11	Ordinary	2,800	2,800
10-Oct-2019	The Vanguard Group, Inc.	SELL	39.11	Ordinary	(5,523)	(5,523)
15-Oct-2019	The Vanguard Group, Inc.	BUY	39.79	Ordinary	2,240	2,240
15-Oct-2019	The Vanguard Group, Inc.	SELL	39.50	Ordinary	(229)	(229)
16-Oct-2019	The Vanguard Group, Inc.	BUY	40.58	Ordinary	1,444	1,444
16-Oct-2019	The Vanguard Group, Inc.	BUY	40.65	Ordinary	510	510
17-Oct-2019	The Vanguard Group, Inc.	BUY	40.80	Ordinary	15,740	15,740
21-Oct-2019	The Vanguard Group, Inc.	BUY	40.78	Ordinary	1,444	1,444
21-Oct-2019	The Vanguard Group, Inc.	BUY	40.71	Ordinary	596	596
23-Oct-2019	The Vanguard Group, Inc.	BUY	40.37	Ordinary	2,800	2,800
23-Oct-2019	The Vanguard Group, Inc.	SELL	40.26	Ordinary	(6,213)	(6,213)
23-Oct-2019	The Vanguard Group, Inc.	BUY	40.15	Ordinary	36,941	36,941
25-Oct-2019	The Vanguard Group, Inc.	SELL	41.04	Ordinary	(13,140)	(13,140)
25-Oct-2019	The Vanguard Group, Inc.	BUY	41.04	Ordinary	1,444	1,444
25-Oct-2019	The Vanguard Group, Inc.	BUY	41.05	Ordinary	596	596
25-Oct-2019	The Vanguard Group, Inc.	BUY	41.05	Ordinary	12,471	12,471
25-Oct-2019	The Vanguard Group, Inc.	SELL	41.05	Ordinary	(31)	(31)
28-Oct-2019	The Vanguard Group, Inc.	BUY	41.00	Ordinary	35,148	35,148
29-Oct-2019	The Vanguard Group, Inc.	SELL	40.91	Ordinary	(10,612)	(10,612)
29-Oct-2019	The Vanguard Group, Inc.	BUY	40.91	Ordinary	1,176	1,176
30-Oct-2019	The Vanguard Group, Inc.	BUY	40.50	Ordinary	9,471	9,471
7-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.99	Ordinary	307	307
7-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.99	Ordinary	15,894	15,894

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8-Sep-2017	Vanguard Investments Australia Ltd.	BUY	42.14	Ordinary	11,676	11,676
8-Sep-2017	Vanguard Investments Australia Ltd.	BUY	42.14	Ordinary	12,045	12,045
11-Sep-2017	Vanguard Investments Australia Ltd.	BUY	42.44	Ordinary	11,605	11,605
15-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.43	Ordinary	31,112	31,112
15-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.43	Ordinary	1,819	1,819
15-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.43	Ordinary	1,125	1,125
15-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.43	Ordinary	1,455	1,455
15-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.43	Ordinary	15,886	15,886
15-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.43	Ordinary	507	507
15-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.43	Ordinary	3,359	3,359
15-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.43	Ordinary	7,674	7,674
15-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.43	Ordinary	34,963	34,963
18-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.24	Ordinary	17,490	17,490
20-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.26	Ordinary	135	135
21-Sep-2017	Vanguard Investments Australia Ltd.	BUY	40.93	Ordinary	11,498	11,498
21-Sep-2017	Vanguard Investments Australia Ltd.	BUY	40.93	Ordinary	19,822	19,822
21-Sep-2017	Vanguard Investments Australia Ltd.	BUY	40.93	Ordinary	15,358	15,358
22-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.21	Ordinary	13,612	13,612
22-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.21	Ordinary	20,405	20,405
22-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.21	Ordinary	7,329	7,329
26-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.21	Ordinary	37,298	37,298
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	2,203	2,203
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	51,338	51,338
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	3,519	3,519
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	3,452	3,452
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	7,038	7,038
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	25,768	25,768
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	3,901	3,901
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	16,042	16,042
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	25,147	25,147
28-Sep-2017	Vanguard Investments Australia Ltd.	BUY	40.68	Ordinary	166,744	166,744
29-Sep-2017	Vanguard Investments Australia Ltd.	SELL	41.33	Ordinary	(4,681)	(4,681)
29-Sep-2017	Vanguard Investments Australia Ltd.	SELL	41.33	Ordinary	(1,606)	(1,606)
29-Sep-2017	Vanguard Investments Australia Ltd.	SELL	41.33	Ordinary	(45,903)	(45,903)
2-Oct-2017	Vanguard Investments Australia Ltd.	BUY	41.30	Ordinary	8,565	8,565
3-Oct-2017	Vanguard Investments Australia Ltd.	SELL	41.21	Ordinary	(32,258)	(32,258)
4-Oct-2017	Vanguard Investments Australia Ltd.	BUY	40.90	Ordinary	31,405	31,405
4-Oct-2017	Vanguard Investments Australia Ltd.	BUY	40.90	Ordinary	10,900	10,900
6-Oct-2017	Vanguard Investments Australia Ltd.	BUY	41.05	Ordinary	14,432	14,432
9-Oct-2017	Vanguard Investments Australia Ltd.	SELL	41.10	Ordinary	(167,050)	(167,050)
11-Oct-2017	Vanguard Investments Australia Ltd.	SELL	41.37	Ordinary	(156,313)	(156,313)
16-Oct-2017	Vanguard Investments Australia Ltd.	SELL	42.43	Ordinary	(246)	(246)
16-Oct-2017	Vanguard Investments Australia Ltd.	SELL	42.43	Ordinary	(161,044)	(161,044)
16-Oct-2017	Vanguard Investments Australia Ltd.	SELL	42.43	Ordinary	(5,918)	(5,918)
18-Oct-2017	Vanguard Investments Australia Ltd.	SELL	42.75	Ordinary	(118,243)	(118,243)
18-Oct-2017	Vanguard Investments Australia Ltd.	BUY	42.75	Ordinary	17,130	17,130
18-Oct-2017	Vanguard Investments Australia Ltd.	BUY	42.75	Ordinary	46,956	46,956
24-Oct-2017	Vanguard Investments Australia Ltd.	BUY	42.78	Ordinary	2,344	2,344
24-Oct-2017	Vanguard Investments Australia Ltd.	BUY	42.78	Ordinary	65,080	65,080
24-Oct-2017	Vanguard Investments Australia Ltd.	BUY	42.78	Ordinary	3,759	3,759
25-Oct-2017	Vanguard Investments Australia Ltd.	SELL	41.49	Ordinary	(384,007)	(384,007)
27-Oct-2017	Vanguard Investments Australia Ltd.	BUY	41.59	Ordinary	6,570	6,570
31-Oct-2017	Vanguard Investments Australia Ltd.	SELL	41.80	Ordinary	(1,945)	(1,945)
31-Oct-2017	Vanguard Investments Australia Ltd.	BUY	41.80	Ordinary	22,832	22,832
1-Nov-2017	Vanguard Investments Australia Ltd.	BUY	42.24	Ordinary	14,788	14,788
1-Nov-2017	Vanguard Investments Australia Ltd.	BUY	42.24	Ordinary	20,500	20,500
7-Nov-2017	Vanguard Investments Australia Ltd.	BUY	42.62	Ordinary	13,209	13,209
7-Nov-2017	Vanguard Investments Australia Ltd.	BUY	42.62	Ordinary	9,855	9,855
10-Nov-2017	Vanguard Investments Australia Ltd.	SELL	43.22	Ordinary	(4,781)	(4,781)
13-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.28	Ordinary	475	475
13-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.28	Ordinary	21,985	21,985
13-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.28	Ordinary	18,658	18,658
14-Nov-2017	Vanguard Investments Australia Ltd.	SELL	43.20	Ordinary	(1,929)	(1,929)
14-Nov-2017	Vanguard Investments Australia Ltd.	SELL	43.20	Ordinary	(1,130)	(1,130)
14-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.20	Ordinary	20,153	20,153
16-Nov-2017	Vanguard Investments Australia Ltd.	BUY	42.55	Ordinary	25,767	25,767
16-Nov-2017	Vanguard Investments Australia Ltd.	BUY	42.55	Ordinary	9,855	9,855
22-Nov-2017	Vanguard Investments Australia Ltd.	SELL	42.79	Ordinary	(2,906)	(2,906)
22-Nov-2017	Vanguard Investments Australia Ltd.	BUY	42.79	Ordinary	8,664	8,664

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
22-Nov-2017	Vanguard Investments Australia Ltd.	BUY	42.79	Ordinary	10,950	10,950
23-Nov-2017	Vanguard Investments Australia Ltd.	SELL	42.89	Ordinary	(885)	(885)
24-Nov-2017	Vanguard Investments Australia Ltd.	SELL	43.21	Ordinary	(5,805)	(5,805)
24-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.21	Ordinary	15,601	15,601
24-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.21	Ordinary	11,552	11,552
24-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.21	Ordinary	14,235	14,235
27-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.10	Ordinary	18,499	18,499
28-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.55	Ordinary	11,552	11,552
29-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.80	Ordinary	1,181	1,181
29-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.80	Ordinary	40,888	40,888
29-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.66	Ordinary	3,523	3,523
29-Nov-2017	Vanguard Investments Australia Ltd.	BUY	43.67	Ordinary	7,070	7,070
30-Nov-2017	Vanguard Investments Australia Ltd.	SELL	43.92	Ordinary	(768)	(768)
30-Nov-2017	Vanguard Investments Australia Ltd.	SELL	43.92	Ordinary	(161)	(161)
1-Dec-2017	Vanguard Investments Australia Ltd.	SELL	43.89	Ordinary	(3,080)	(3,080)
4-Dec-2017	Vanguard Investments Australia Ltd.	SELL	43.92	Ordinary	(12,763)	(12,763)
4-Dec-2017	Vanguard Investments Australia Ltd.	BUY	43.92	Ordinary	12,763	12,763
4-Dec-2017	Vanguard Investments Australia Ltd.	SELL	43.92	Ordinary	(37,100)	(37,100)
5-Dec-2017	Vanguard Investments Australia Ltd.	SELL	43.76	Ordinary	(24,090)	(24,090)
6-Dec-2017	Vanguard Investments Australia Ltd.	BUY	43.85	Ordinary	5,252	5,252
6-Dec-2017	Vanguard Investments Australia Ltd.	BUY	43.95	Ordinary	19,956	19,956
12-Dec-2017	Vanguard Investments Australia Ltd.	SELL	43.79	Ordinary	(17,803)	(17,803)
12-Dec-2017	Vanguard Investments Australia Ltd.	SELL	43.79	Ordinary	(162)	(162)
12-Dec-2017	Vanguard Investments Australia Ltd.	BUY	43.79	Ordinary	8,664	8,664
14-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.45	Ordinary	5,415	5,415
15-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.59	Ordinary	6,208	6,208
15-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.59	Ordinary	600	600
15-Dec-2017	Vanguard Investments Australia Ltd.	SELL	44.59	Ordinary	(3,047)	(3,047)
15-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.59	Ordinary	14,000	14,000
15-Dec-2017	Vanguard Investments Australia Ltd.	SELL	44.57	Ordinary	(253,046)	(253,046)
15-Dec-2017	Vanguard Investments Australia Ltd.	SELL	44.59	Ordinary	(33,107)	(33,107)
15-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.59	Ordinary	27,633	27,633
18-Dec-2017	Vanguard Investments Australia Ltd.	SELL	44.77	Ordinary	(858)	(858)
19-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.79	Ordinary	4,173	4,173
19-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.79	Ordinary	10,832	10,832
20-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.94	Ordinary	9,819	9,819
21-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.65	Ordinary	1,436	1,436
21-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.65	Ordinary	10,832	10,832
22-Dec-2017	Vanguard Investments Australia Ltd.	SELL	44.22	Ordinary	(2,507)	(2,507)
27-Dec-2017	Vanguard Investments Australia Ltd.	SELL	44.29	Ordinary	(3,099)	(3,099)
27-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.29	Ordinary	8,124	8,124
28-Dec-2017	Vanguard Investments Australia Ltd.	BUY	44.70	Ordinary	6,630	6,630
29-Dec-2017	Vanguard Investments Australia Ltd.	SELL	44.42	Ordinary	(547)	(547)
3-Jan-2018	Vanguard Investments Australia Ltd.	SELL	44.35	Ordinary	(30,869)	(30,869)
4-Jan-2018	Vanguard Investments Australia Ltd.	BUY	44.25	Ordinary	42,389	42,389
4-Jan-2018	Vanguard Investments Australia Ltd.	BUY	44.26	Ordinary	13,405	13,405
10-Jan-2018	Vanguard Investments Australia Ltd.	BUY	44.55	Ordinary	7,255	7,255
10-Jan-2018	Vanguard Investments Australia Ltd.	BUY	44.55	Ordinary	8,403	8,403
10-Jan-2018	Vanguard Investments Australia Ltd.	SELL	44.35	Ordinary	(13,962)	(13,962)
12-Jan-2018	Vanguard Investments Australia Ltd.	BUY	43.73	Ordinary	8,043	8,043
16-Jan-2018	Vanguard Investments Australia Ltd.	BUY	43.68	Ordinary	36,745	36,745
16-Jan-2018	Vanguard Investments Australia Ltd.	BUY	43.68	Ordinary	10,740	10,740
18-Jan-2018	Vanguard Investments Australia Ltd.	SELL	43.53	Ordinary	(3,454)	(3,454)
19-Jan-2018	Vanguard Investments Australia Ltd.	BUY	43.72	Ordinary	11,424	11,424
23-Jan-2018	Vanguard Investments Australia Ltd.	BUY	43.86	Ordinary	12,494	12,494
24-Jan-2018	Vanguard Investments Australia Ltd.	BUY	43.72	Ordinary	7,518	7,518
25-Jan-2018	Vanguard Investments Australia Ltd.	SELL	43.82	Ordinary	(38,632)	(38,632)
25-Jan-2018	Vanguard Investments Australia Ltd.	BUY	43.82	Ordinary	13,745	13,745
25-Jan-2018	Vanguard Investments Australia Ltd.	BUY	43.82	Ordinary	11,448	11,448
29-Jan-2018	Vanguard Investments Australia Ltd.	BUY	44.07	Ordinary	6,444	6,444
30-Jan-2018	Vanguard Investments Australia Ltd.	BUY	43.84	Ordinary	12,970	12,970
31-Jan-2018	Vanguard Investments Australia Ltd.	BUY	43.81	Ordinary	939	939
1-Feb-2018	Vanguard Investments Australia Ltd.	BUY	44.14	Ordinary	8,043	8,043
1-Feb-2018	Vanguard Investments Australia Ltd.	SELL	44.14	Ordinary	(81,624)	(81,624)
5-Feb-2018	Vanguard Investments Australia Ltd.	SELL	42.16	Ordinary	(3,554)	(3,554)
6-Feb-2018	Vanguard Investments Australia Ltd.	SELL	41.00	Ordinary	(579)	(579)
6-Feb-2018	Vanguard Investments Australia Ltd.	BUY	41.00	Ordinary	8,043	8,043
6-Feb-2018	Vanguard Investments Australia Ltd.	BUY	41.00	Ordinary	6,444	6,444
7-Feb-2018	Vanguard Investments Australia Ltd.	BUY	41.06	Ordinary	11,819	11,819

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8-Feb-2018	Vanguard Investments Australia Ltd.	BUY	41.02	Ordinary	8,043	8,043
8-Feb-2018	Vanguard Investments Australia Ltd.	BUY	41.02	Ordinary	12,294	12,294
9-Feb-2018	Vanguard Investments Australia Ltd.	BUY	40.77	Ordinary	12,888	12,888
12-Feb-2018	Vanguard Investments Australia Ltd.	BUY	40.61	Ordinary	8,977	8,977
13-Feb-2018	Vanguard Investments Australia Ltd.	BUY	40.64	Ordinary	11,946	11,946
14-Feb-2018	Vanguard Investments Australia Ltd.	BUY	40.54	Ordinary	3,431	3,431
14-Feb-2018	Vanguard Investments Australia Ltd.	BUY	40.54	Ordinary	10,760	10,760
15-Feb-2018	Vanguard Investments Australia Ltd.	SELL	40.85	Ordinary	(2,722)	(2,722)
15-Feb-2018	Vanguard Investments Australia Ltd.	SELL	40.85	Ordinary	(477)	(477)
16-Feb-2018	Vanguard Investments Australia Ltd.	BUY	40.67	Ordinary	13,241	13,241
20-Feb-2018	Vanguard Investments Australia Ltd.	BUY	40.76	Ordinary	12,588	12,588
23-Feb-2018	Vanguard Investments Australia Ltd.	SELL	42.53	Ordinary	(15,556)	(15,556)
26-Feb-2018	Vanguard Investments Australia Ltd.	BUY	41.35	Ordinary	10,800	10,800
26-Feb-2018	Vanguard Investments Australia Ltd.	BUY	41.35	Ordinary	10,773	10,773
26-Feb-2018	Vanguard Investments Australia Ltd.	BUY	41.35	Ordinary	17,177	17,177
28-Feb-2018	Vanguard Investments Australia Ltd.	BUY	41.32	Ordinary	1,891	1,891
28-Feb-2018	Vanguard Investments Australia Ltd.	BUY	41.32	Ordinary	295	295
1-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.55	Ordinary	215	215
1-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.55	Ordinary	9,441	9,441
2-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	13,585	13,585
6-Mar-2018	Vanguard Investments Australia Ltd.	SELL	41.30	Ordinary	(5,241)	(5,241)
7-Mar-2018	Vanguard Investments Australia Ltd.	BUY	40.68	Ordinary	5,440	5,440
8-Mar-2018	Vanguard Investments Australia Ltd.	SELL	40.80	Ordinary	(2,144)	(2,144)
8-Mar-2018	Vanguard Investments Australia Ltd.	BUY	40.80	Ordinary	294	294
9-Mar-2018	Vanguard Investments Australia Ltd.	BUY	40.92	Ordinary	13,600	13,600
13-Mar-2018	Vanguard Investments Australia Ltd.	BUY	40.97	Ordinary	5,305	5,305
16-Mar-2018	Vanguard Investments Australia Ltd.	SELL	43.80	Ordinary	(1,959)	(1,959)
16-Mar-2018	Vanguard Investments Australia Ltd.	SELL	43.80	Ordinary	(2,086)	(2,086)
16-Mar-2018	Vanguard Investments Australia Ltd.	SELL	43.80	Ordinary	(3,923)	(3,923)
16-Mar-2018	Vanguard Investments Australia Ltd.	SELL	43.80	Ordinary	(17,349)	(17,349)
16-Mar-2018	Vanguard Investments Australia Ltd.	SELL	43.80	Ordinary	(3,264)	(3,264)
16-Mar-2018	Vanguard Investments Australia Ltd.	SELL	43.80	Ordinary	(8,444)	(8,444)
16-Mar-2018	Vanguard Investments Australia Ltd.	SELL	43.80	Ordinary	(21,246)	(21,246)
20-Mar-2018	Vanguard Investments Australia Ltd.	BUY	43.56	Ordinary	359	359
20-Mar-2018	Vanguard Investments Australia Ltd.	BUY	43.56	Ordinary	1,519	1,519
20-Mar-2018	Vanguard Investments Australia Ltd.	BUY	43.56	Ordinary	379	379
20-Mar-2018	Vanguard Investments Australia Ltd.	BUY	43.40	Ordinary	13,398	13,398
20-Mar-2018	Vanguard Investments Australia Ltd.	BUY	43.40	Ordinary	23,239	23,239
21-Mar-2018	Vanguard Investments Australia Ltd.	BUY	43.05	Ordinary	6,390	6,390
22-Mar-2018	Vanguard Investments Australia Ltd.	SELL	42.55	Ordinary	(5,051)	(5,051)
22-Mar-2018	Vanguard Investments Australia Ltd.	BUY	42.55	Ordinary	8,151	8,151
22-Mar-2018	Vanguard Investments Australia Ltd.	BUY	42.55	Ordinary	5,434	5,434
23-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.81	Ordinary	10,868	10,868
26-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.64	Ordinary	12,943	12,943
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.71	Ordinary	1,481	1,481
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.71	Ordinary	20,805	20,805
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.71	Ordinary	2,954	2,954
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.71	Ordinary	2,729	2,729
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.71	Ordinary	3,223	3,223
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.71	Ordinary	1,408	1,408
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.71	Ordinary	12,465	12,465
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.71	Ordinary	18,487	18,487
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.70	Ordinary	11,715	11,715
28-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.80	Ordinary	5,434	5,434
29-Mar-2018	Vanguard Investments Australia Ltd.	SELL	41.56	Ordinary	(845)	(845)
29-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.56	Ordinary	10,868	10,868
29-Mar-2018	Vanguard Investments Australia Ltd.	SELL	41.56	Ordinary	(23,726)	(23,726)
29-Mar-2018	Vanguard Investments Australia Ltd.	BUY	41.56	Ordinary	38,799	38,799
3-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.45	Ordinary	14,764	14,764
5-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.87	Ordinary	14,066	14,066
5-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.75	Ordinary	8,022	8,022
5-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.75	Ordinary	12,660	12,660
6-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.60	Ordinary	11,872	11,872
10-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.99	Ordinary	12,063	12,063
11-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.34	Ordinary	8,022	8,022
12-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	865	865
12-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	15,848	15,848
12-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	2,262	2,262
12-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	1,603	1,603

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12-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	9,140	9,140
12-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	1,216	1,216
12-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	8,303	8,303
12-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.09	Ordinary	15,870	15,870
13-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.16	Ordinary	26,007	26,007
18-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.33	Ordinary	787	787
18-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.33	Ordinary	4,012	4,012
18-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.33	Ordinary	789	789
19-Apr-2018	Vanguard Investments Australia Ltd.	SELL	41.32	Ordinary	(3,582)	(3,582)
19-Apr-2018	Vanguard Investments Australia Ltd.	SELL	41.32	Ordinary	(4,351)	(4,351)
19-Apr-2018	Vanguard Investments Australia Ltd.	BUY	41.32	Ordinary	12,660	12,660
24-Apr-2018	Vanguard Investments Australia Ltd.	BUY	42.86	Ordinary	11,518	11,518
27-Apr-2018	Vanguard Investments Australia Ltd.	BUY	43.39	Ordinary	16,099	16,099
3-May-2018	Vanguard Investments Australia Ltd.	SELL	43.82	Ordinary	(1,033)	(1,033)
3-May-2018	Vanguard Investments Australia Ltd.	SELL	43.82	Ordinary	(6,126)	(6,126)
4-May-2018	Vanguard Investments Australia Ltd.	SELL	43.78	Ordinary	(5,177)	(5,177)
4-May-2018	Vanguard Investments Australia Ltd.	BUY	43.78	Ordinary	6,330	6,330
8-May-2018	Vanguard Investments Australia Ltd.	BUY	44.04	Ordinary	11,875	11,875
17-May-2018	Vanguard Investments Australia Ltd.	SELL	44.74	Ordinary	(4,903)	(4,903)
17-May-2018	Vanguard Investments Australia Ltd.	BUY	44.74	Ordinary	712	712
17-May-2018	Vanguard Investments Australia Ltd.	BUY	44.74	Ordinary	22,891	22,891
17-May-2018	Vanguard Investments Australia Ltd.	BUY	44.74	Ordinary	12,326	12,326
18-May-2018	Vanguard Investments Australia Ltd.	BUY	45.00	Ordinary	7,385	7,385
22-May-2018	Vanguard Investments Australia Ltd.	BUY	44.66	Ordinary	8,440	8,440
23-May-2018	Vanguard Investments Australia Ltd.	SELL	44.76	Ordinary	(6,177)	(6,177)
24-May-2018	Vanguard Investments Australia Ltd.	BUY	45.11	Ordinary	5,392	5,392
24-May-2018	Vanguard Investments Australia Ltd.	BUY	45.11	Ordinary	13,480	13,480
25-May-2018	Vanguard Investments Australia Ltd.	SELL	45.52	Ordinary	(10,557)	(10,557)
29-May-2018	Vanguard Investments Australia Ltd.	SELL	45.60	Ordinary	(3,389)	(3,389)
29-May-2018	Vanguard Investments Australia Ltd.	SELL	45.60	Ordinary	(8,241)	(8,241)
29-May-2018	Vanguard Investments Australia Ltd.	BUY	45.60	Ordinary	19,561	19,561
30-May-2018	Vanguard Investments Australia Ltd.	BUY	45.60	Ordinary	1,467	1,467
31-May-2018	Vanguard Investments Australia Ltd.	BUY	45.60	Ordinary	1,723	1,723
31-May-2018	Vanguard Investments Australia Ltd.	BUY	45.56	Ordinary	7,385	7,385
1-Jun-2018	Vanguard Investments Australia Ltd.	BUY	45.48	Ordinary	1,804	1,804
1-Jun-2018	Vanguard Investments Australia Ltd.	BUY	45.48	Ordinary	8,795	8,795
1-Jun-2018	Vanguard Investments Australia Ltd.	SELL	45.48	Ordinary	(8,795)	(8,795)
1-Jun-2018	Vanguard Investments Australia Ltd.	BUY	45.48	Ordinary	8,795	8,795
1-Jun-2018	Vanguard Investments Australia Ltd.	BUY	45.48	Ordinary	1,800	1,800
1-Jun-2018	Vanguard Investments Australia Ltd.	BUY	45.14	Ordinary	25,864	25,864
1-Jun-2018	Vanguard Investments Australia Ltd.	BUY	45.14	Ordinary	22,938	22,938
4-Jun-2018	Vanguard Investments Australia Ltd.	SELL	45.45	Ordinary	(2,496)	(2,496)
5-Jun-2018	Vanguard Investments Australia Ltd.	BUY	45.27	Ordinary	5,392	5,392
8-Jun-2018	Vanguard Investments Australia Ltd.	BUY	46.36	Ordinary	7,385	7,385
12-Jun-2018	Vanguard Investments Australia Ltd.	BUY	46.96	Ordinary	10,784	10,784
13-Jun-2018	Vanguard Investments Australia Ltd.	SELL	46.66	Ordinary	(6,237)	(6,237)
13-Jun-2018	Vanguard Investments Australia Ltd.	SELL	46.66	Ordinary	(18,837)	(18,837)
14-Jun-2018	Vanguard Investments Australia Ltd.	SELL	47.00	Ordinary	(19,117)	(19,117)
14-Jun-2018	Vanguard Investments Australia Ltd.	BUY	47.00	Ordinary	10,550	10,550
15-Jun-2018	Vanguard Investments Australia Ltd.	BUY	48.01	Ordinary	20,426	20,426
15-Jun-2018	Vanguard Investments Australia Ltd.	BUY	48.01	Ordinary	2,912	2,912
15-Jun-2018	Vanguard Investments Australia Ltd.	BUY	48.01	Ordinary	1,225	1,225
15-Jun-2018	Vanguard Investments Australia Ltd.	BUY	48.01	Ordinary	3,258	3,258
15-Jun-2018	Vanguard Investments Australia Ltd.	BUY	48.01	Ordinary	26,418	26,418
15-Jun-2018	Vanguard Investments Australia Ltd.	BUY	48.01	Ordinary	1,207	1,207
15-Jun-2018	Vanguard Investments Australia Ltd.	BUY	48.01	Ordinary	8,631	8,631
15-Jun-2018	Vanguard Investments Australia Ltd.	BUY	48.01	Ordinary	12,223	12,223
15-Jun-2018	Vanguard Investments Australia Ltd.	SELL	48.01	Ordinary	(63,446)	(63,446)
15-Jun-2018	Vanguard Investments Australia Ltd.	SELL	47.96	Ordinary	(171,441)	(171,441)
15-Jun-2018	Vanguard Investments Australia Ltd.	BUY	48.01	Ordinary	31,683	31,683
18-Jun-2018	Vanguard Investments Australia Ltd.	SELL	47.97	Ordinary	(60,267)	(60,267)
20-Jun-2018	Vanguard Investments Australia Ltd.	SELL	47.53	Ordinary	(2,901)	(2,901)
21-Jun-2018	Vanguard Investments Australia Ltd.	BUY	48.60	Ordinary	9,457	9,457
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	49.36	Ordinary	(203)	(203)
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	49.36	Ordinary	(141)	(141)
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	49.36	Ordinary	(33,315)	(33,315)
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	49.36	Ordinary	(23,237)	(23,237)
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	49.36	Ordinary	(66,969)	(66,969)
3-Jul-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	36,891	36,891

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-Jul-2018	Vanguard Investments Australia Ltd.	BUY	49.76	Ordinary	21,822	21,822
5-Jul-2018	Vanguard Investments Australia Ltd.	SELL	49.60	Ordinary	(1,083)	(1,083)
5-Jul-2018	Vanguard Investments Australia Ltd.	BUY	49.76	Ordinary	1,415	1,415
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	50.13	Ordinary	2,163	2,163
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	50.13	Ordinary	17,406	17,406
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	50.13	Ordinary	8,064	8,064
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	50.13	Ordinary	18,415	18,415
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	50.37	Ordinary	9,441	9,441
9-Jul-2018	Vanguard Investments Australia Ltd.	SELL	50.00	Ordinary	(7,859)	(7,859)
10-Jul-2018	Vanguard Investments Australia Ltd.	BUY	49.36	Ordinary	1,361	1,361
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	15,779	15,779
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	6,294	6,294
17-Jul-2018	Vanguard Investments Australia Ltd.	BUY	49.54	Ordinary	12,260	12,260
17-Jul-2018	Vanguard Investments Australia Ltd.	SELL	49.49	Ordinary	(312)	(312)
18-Jul-2018	Vanguard Investments Australia Ltd.	SELL	49.76	Ordinary	(10,787)	(10,787)
19-Jul-2018	Vanguard Investments Australia Ltd.	BUY	49.76	Ordinary	16,130	16,130
20-Jul-2018	Vanguard Investments Australia Ltd.	SELL	50.00	Ordinary	(5,264)	(5,264)
20-Jul-2018	Vanguard Investments Australia Ltd.	BUY	50.00	Ordinary	11,451	11,451
27-Jul-2018	Vanguard Investments Australia Ltd.	BUY	49.38	Ordinary	21,059	21,059
2-Aug-2018	Vanguard Investments Australia Ltd.	BUY	49.72	Ordinary	9,333	9,333
3-Aug-2018	Vanguard Investments Australia Ltd.	SELL	49.84	Ordinary	(7,156)	(7,156)
3-Aug-2018	Vanguard Investments Australia Ltd.	BUY	49.84	Ordinary	14,588	14,588
6-Aug-2018	Vanguard Investments Australia Ltd.	SELL	49.94	Ordinary	(8,166)	(8,166)
7-Aug-2018	Vanguard Investments Australia Ltd.	BUY	50.00	Ordinary	18,165	18,165
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	52.20	Ordinary	518	518
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	52.20	Ordinary	17,665	17,665
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	52.20	Ordinary	6,282	6,282
16-Aug-2018	Vanguard Investments Australia Ltd.	SELL	52.50	Ordinary	(3,178)	(3,178)
20-Aug-2018	Vanguard Investments Australia Ltd.	SELL	51.83	Ordinary	(12,330)	(12,330)
21-Aug-2018	Vanguard Investments Australia Ltd.	BUY	50.98	Ordinary	10,500	10,500
27-Aug-2018	Vanguard Investments Australia Ltd.	BUY	51.75	Ordinary	12,997	12,997
27-Aug-2018	Vanguard Investments Australia Ltd.	BUY	51.75	Ordinary	12,624	12,624
28-Aug-2018	Vanguard Investments Australia Ltd.	BUY	51.44	Ordinary	22,041	22,041
29-Aug-2018	Vanguard Investments Australia Ltd.	BUY	51.79	Ordinary	21,207	21,207
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	51.40	Ordinary	230	230
3-Sep-2018	Vanguard Investments Australia Ltd.	SELL	51.42	Ordinary	(346)	(346)
3-Sep-2018	Vanguard Investments Australia Ltd.	SELL	51.42	Ordinary	(27,492)	(27,492)
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	51.48	Ordinary	12,206	12,206
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	51.48	Ordinary	11,506	11,506
6-Sep-2018	Vanguard Investments Australia Ltd.	BUY	50.96	Ordinary	22,758	22,758
7-Sep-2018	Vanguard Investments Australia Ltd.	BUY	51.39	Ordinary	6,264	6,264
7-Sep-2018	Vanguard Investments Australia Ltd.	BUY	51.39	Ordinary	15,687	15,687
10-Sep-2018	Vanguard Investments Australia Ltd.	SELL	51.46	Ordinary	(671)	(671)
10-Sep-2018	Vanguard Investments Australia Ltd.	SELL	51.46	Ordinary	(5,413)	(5,413)
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	51.46	Ordinary	10,520	10,520
11-Sep-2018	Vanguard Investments Australia Ltd.	SELL	51.34	Ordinary	(11,868)	(11,868)
17-Sep-2018	Vanguard Investments Australia Ltd.	BUY	50.94	Ordinary	11,605	11,605
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.84	Ordinary	16,061	16,061
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.84	Ordinary	2,631	2,631
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.84	Ordinary	17,600	17,600
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.84	Ordinary	1,082	1,082
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.84	Ordinary	6,991	6,991
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.84	Ordinary	6,554	6,554
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.84	Ordinary	7,431	7,431
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.84	Ordinary	36,831	36,831
26-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.75	Ordinary	6,276	6,276
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	2,247	2,247
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	19,185	19,185
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	3,328	3,328
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	2,751	2,751
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	4,836	4,836
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	21,953	21,953
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	1,216	1,216
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	8,265	8,265
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.65	Ordinary	20,167	20,167
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	49.70	Ordinary	80,542	80,542
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	49.85	Ordinary	(1,257)	(1,257)
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	49.85	Ordinary	(4,742)	(4,742)
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	49.85	Ordinary	(55,789)	(55,789)

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1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	49.39	Ordinary	12,100	12,100
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	49.39	Ordinary	9,288	9,288
3-Oct-2018	Vanguard Investments Australia Ltd.	BUY	49.30	Ordinary	17,181	17,181
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	49.32	Ordinary	9,216	9,216
9-Oct-2018	Vanguard Investments Australia Ltd.	BUY	48.79	Ordinary	7,260	7,260
10-Oct-2018	Vanguard Investments Australia Ltd.	BUY	48.95	Ordinary	798	798
10-Oct-2018	Vanguard Investments Australia Ltd.	SELL	48.95	Ordinary	(7,793)	(7,793)
11-Oct-2018	Vanguard Investments Australia Ltd.	BUY	47.45	Ordinary	12,324	12,324
12-Oct-2018	Vanguard Investments Australia Ltd.	BUY	47.33	Ordinary	7,260	7,260
12-Oct-2018	Vanguard Investments Australia Ltd.	BUY	47.33	Ordinary	19,507	19,507
16-Oct-2018	Vanguard Investments Australia Ltd.	SELL	47.41	Ordinary	(5,264)	(5,264)
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	47.52	Ordinary	7,260	7,260
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	47.52	Ordinary	10,529	10,529
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	47.52	Ordinary	17,595	17,595
22-Oct-2018	Vanguard Investments Australia Ltd.	SELL	47.76	Ordinary	(3,956)	(3,956)
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	47.12	Ordinary	7,260	7,260
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	47.12	Ordinary	9,680	9,680
24-Oct-2018	Vanguard Investments Australia Ltd.	SELL	47.21	Ordinary	(4,242)	(4,242)
24-Oct-2018	Vanguard Investments Australia Ltd.	BUY	47.21	Ordinary	12,420	12,420
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	45.62	Ordinary	23,196	23,196
25-Oct-2018	Vanguard Investments Australia Ltd.	SELL	45.62	Ordinary	(7,846)	(7,846)
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	45.62	Ordinary	9,688	9,688
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	45.62	Ordinary	14,490	14,490
26-Oct-2018	Vanguard Investments Australia Ltd.	BUY	45.79	Ordinary	34,462	34,462
29-Oct-2018	Vanguard Investments Australia Ltd.	BUY	45.95	Ordinary	9,688	9,688
29-Oct-2018	Vanguard Investments Australia Ltd.	BUY	45.95	Ordinary	23,142	23,142
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	46.62	Ordinary	3,099	3,099
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	46.62	Ordinary	16,528	16,528
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	45.75	Ordinary	4,335	4,335
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	45.75	Ordinary	2,066	2,066
2-Nov-2018	Vanguard Investments Australia Ltd.	BUY	45.58	Ordinary	13,429	13,429
5-Nov-2018	Vanguard Investments Australia Ltd.	BUY	45.96	Ordinary	23,548	23,548
6-Nov-2018	Vanguard Investments Australia Ltd.	BUY	46.63	Ordinary	31,745	31,745
12-Nov-2018	Vanguard Investments Australia Ltd.	SELL	47.62	Ordinary	(10,915)	(10,915)
12-Nov-2018	Vanguard Investments Australia Ltd.	SELL	47.62	Ordinary	(863)	(863)
12-Nov-2018	Vanguard Investments Australia Ltd.	BUY	47.62	Ordinary	13,481	13,481
15-Nov-2018	Vanguard Investments Australia Ltd.	SELL	45.37	Ordinary	(6,906)	(6,906)
16-Nov-2018	Vanguard Investments Australia Ltd.	BUY	44.50	Ordinary	545	545
16-Nov-2018	Vanguard Investments Australia Ltd.	BUY	44.50	Ordinary	9,416	9,416
19-Nov-2018	Vanguard Investments Australia Ltd.	BUY	43.90	Ordinary	18,574	18,574
19-Nov-2018	Vanguard Investments Australia Ltd.	SELL	43.86	Ordinary	(43,324)	(43,324)
21-Nov-2018	Vanguard Investments Australia Ltd.	BUY	32.06	Ordinary	14,634	14,634
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	31.32	Ordinary	7,320	7,320
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	31.32	Ordinary	7,320	7,320
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	31.32	Ordinary	14,616	14,616
23-Nov-2018	Vanguard Investments Australia Ltd.	BUY	31.76	Ordinary	17,631	17,631
29-Nov-2018	Vanguard Investments Australia Ltd.	BUY	31.51	Ordinary	11,429	11,429
30-Nov-2018	Vanguard Investments Australia Ltd.	SELL	31.51	Ordinary	(740)	(740)
30-Nov-2018	Vanguard Investments Australia Ltd.	BUY	31.31	Ordinary	23,664	23,664
3-Dec-2018	Vanguard Investments Australia Ltd.	SELL	32.01	Ordinary	(2,017)	(2,017)
3-Dec-2018	Vanguard Investments Australia Ltd.	SELL	32.01	Ordinary	(10,594)	(10,594)
3-Dec-2018	Vanguard Investments Australia Ltd.	SELL	32.01	Ordinary	(2,026)	(2,026)
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.71	Ordinary	15,349	15,349
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.71	Ordinary	13,507	13,507
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	30.95	Ordinary	141,521	141,521
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	30.95	Ordinary	184,765	184,765
6-Dec-2018	Vanguard Investments Australia Ltd.	SELL	31.73	Ordinary	(14,947)	(14,947)
6-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.73	Ordinary	7,314	7,314
7-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.94	Ordinary	29,419	29,419
10-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.00	Ordinary	9,764	9,764
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.06	Ordinary	7,323	7,323
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.06	Ordinary	12,612	12,612
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.06	Ordinary	21,020	21,020
12-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.34	Ordinary	808,924	808,924
14-Dec-2018	Vanguard Investments Australia Ltd.	SELL	31.28	Ordinary	(6,306)	(6,306)
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	32.09	Ordinary	9,768	9,768
20-Dec-2018	Vanguard Investments Australia Ltd.	SELL	31.88	Ordinary	(5,419)	(5,419)
20-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.88	Ordinary	1,023	1,023
21-Dec-2018	Vanguard Investments Australia Ltd.	SELL	31.40	Ordinary	(4,299)	(4,299)

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21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.44	Ordinary	48,160	48,160
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.44	Ordinary	4,979	4,979
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.44	Ordinary	4,261	4,261
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.44	Ordinary	9,816	9,816
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.44	Ordinary	44,751	44,751
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.44	Ordinary	23,783	23,783
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.44	Ordinary	47,173	47,173
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.43	Ordinary	7,314	7,314
21-Dec-2018	Vanguard Investments Australia Ltd.	SELL	31.40	Ordinary	(319,161)	(319,161)
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	31.44	Ordinary	97,157	97,157
24-Dec-2018	Vanguard Investments Australia Ltd.	SELL	30.94	Ordinary	(11,216)	(11,216)
27-Dec-2018	Vanguard Investments Australia Ltd.	BUY	32.25	Ordinary	6,300	6,300
31-Dec-2018	Vanguard Investments Australia Ltd.	BUY	32.31	Ordinary	18,854	18,854
31-Dec-2018	Vanguard Investments Australia Ltd.	SELL	32.33	Ordinary	(661)	(661)
31-Dec-2018	Vanguard Investments Australia Ltd.	SELL	32.33	Ordinary	(23,249)	(23,249)
3-Jan-2019	Vanguard Investments Australia Ltd.	BUY	31.84	Ordinary	5,158	5,158
4-Jan-2019	Vanguard Investments Australia Ltd.	BUY	31.69	Ordinary	1,690	1,690
8-Jan-2019	Vanguard Investments Australia Ltd.	BUY	32.22	Ordinary	10,390	10,390
10-Jan-2019	Vanguard Investments Australia Ltd.	BUY	31.97	Ordinary	366	366
10-Jan-2019	Vanguard Investments Australia Ltd.	BUY	31.97	Ordinary	9,074	9,074
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	31.96	Ordinary	25,907	25,907
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	31.95	Ordinary	12,552	12,552
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	32.43	Ordinary	1,372	1,372
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	32.52	Ordinary	3,143	3,143
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	32.52	Ordinary	13,739	13,739
21-Jan-2019	Vanguard Investments Australia Ltd.	SELL	32.73	Ordinary	(11,147)	(11,147)
21-Jan-2019	Vanguard Investments Australia Ltd.	BUY	32.73	Ordinary	6,729	6,729
22-Jan-2019	Vanguard Investments Australia Ltd.	SELL	32.51	Ordinary	(5,468)	(5,468)
22-Jan-2019	Vanguard Investments Australia Ltd.	SELL	32.60	Ordinary	(9,964)	(9,964)
24-Jan-2019	Vanguard Investments Australia Ltd.	SELL	32.58	Ordinary	(17,293)	(17,293)
29-Jan-2019	Vanguard Investments Australia Ltd.	SELL	32.46	Ordinary	(6,184)	(6,184)
29-Jan-2019	Vanguard Investments Australia Ltd.	BUY	32.47	Ordinary	20,844	20,844
30-Jan-2019	Vanguard Investments Australia Ltd.	SELL	32.49	Ordinary	(4,244)	(4,244)
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	32.39	Ordinary	21,005	21,005
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	32.49	Ordinary	4,176	4,176
1-Feb-2019	Vanguard Investments Australia Ltd.	SELL	32.13	Ordinary	(3,364)	(3,364)
1-Feb-2019	Vanguard Investments Australia Ltd.	BUY	32.21	Ordinary	35,274	35,274
4-Feb-2019	Vanguard Investments Australia Ltd.	BUY	32.34	Ordinary	16,010	16,010
5-Feb-2019	Vanguard Investments Australia Ltd.	SELL	32.67	Ordinary	(72,730)	(72,730)
12-Feb-2019	Vanguard Investments Australia Ltd.	SELL	33.14	Ordinary	(10,369)	(10,369)
13-Feb-2019	Vanguard Investments Australia Ltd.	BUY	33.20	Ordinary	44,977	44,977
15-Feb-2019	Vanguard Investments Australia Ltd.	SELL	33.30	Ordinary	(3,895)	(3,895)
15-Feb-2019	Vanguard Investments Australia Ltd.	SELL	33.30	Ordinary	(743)	(743)
19-Feb-2019	Vanguard Investments Australia Ltd.	BUY	33.26	Ordinary	11,429	11,429
20-Feb-2019	Vanguard Investments Australia Ltd.	SELL	32.72	Ordinary	(8,158)	(8,158)
20-Feb-2019	Vanguard Investments Australia Ltd.	BUY	32.72	Ordinary	1,128	1,128
22-Feb-2019	Vanguard Investments Australia Ltd.	BUY	35.17	Ordinary	8,816	8,816
25-Feb-2019	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	33,363	33,363
26-Feb-2019	Vanguard Investments Australia Ltd.	SELL	32.55	Ordinary	(28,107)	(28,107)
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	32.70	Ordinary	30,547	30,547
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	32.70	Ordinary	10,550	10,550
27-Feb-2019	Vanguard Investments Australia Ltd.	SELL	32.76	Ordinary	(1,181)	(1,181)
27-Feb-2019	Vanguard Investments Australia Ltd.	SELL	32.76	Ordinary	(5,462)	(5,462)
27-Feb-2019	Vanguard Investments Australia Ltd.	SELL	32.76	Ordinary	(1,180)	(1,180)
28-Feb-2019	Vanguard Investments Australia Ltd.	BUY	33.18	Ordinary	1,201	1,201
28-Feb-2019	Vanguard Investments Australia Ltd.	BUY	33.18	Ordinary	442	442
5-Mar-2019	Vanguard Investments Australia Ltd.	BUY	33.74	Ordinary	67,520	67,520
6-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.15	Ordinary	399	399
7-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.46	Ordinary	10,270	10,270
11-Mar-2019	Vanguard Investments Australia Ltd.	SELL	34.44	Ordinary	(2,882)	(2,882)
12-Mar-2019	Vanguard Investments Australia Ltd.	SELL	34.35	Ordinary	(4,487)	(4,487)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.56	Ordinary	1,012	1,012
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.54	Ordinary	33,599	33,599
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.56	Ordinary	89	89
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.54	Ordinary	2,987	2,987
15-Mar-2019	Vanguard Investments Australia Ltd.	SELL	34.56	Ordinary	(7,180)	(7,180)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.56	Ordinary	448	448
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.54	Ordinary	14,878	14,878
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.56	Ordinary	814	814

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15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.54	Ordinary	27,040	27,040
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.56	Ordinary	579	579
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.54	Ordinary	19,257	19,257
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.54	Ordinary	22,792	22,792
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.56	Ordinary	686	686
19-Mar-2019	Vanguard Investments Australia Ltd.	SELL	34.65	Ordinary	(2,609)	(2,609)
21-Mar-2019	Vanguard Investments Australia Ltd.	SELL	34.56	Ordinary	(3,865)	(3,865)
21-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.56	Ordinary	10,005	10,005
22-Mar-2019	Vanguard Investments Australia Ltd.	BUY	34.80	Ordinary	16,175	16,175
29-Mar-2019	Vanguard Investments Australia Ltd.	SELL	34.65	Ordinary	(823)	(823)
29-Mar-2019	Vanguard Investments Australia Ltd.	SELL	34.65	Ordinary	(34,223)	(34,223)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.48	Ordinary	846	846
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.48	Ordinary	30,513	30,513
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.48	Ordinary	3,586	3,586
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	34.48	Ordinary	(68,839)	(68,839)
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	34.48	Ordinary	(1,320)	(1,320)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.48	Ordinary	28,651	28,651
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.44	Ordinary	1,738	1,738
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.44	Ordinary	4,005	4,005
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.44	Ordinary	13,514	13,514
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.44	Ordinary	30,325	30,325
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.48	Ordinary	11,325	11,325
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.48	Ordinary	7,399	7,399
3-Apr-2019	Vanguard Investments Australia Ltd.	SELL	34.92	Ordinary	(802)	(802)
3-Apr-2019	Vanguard Investments Australia Ltd.	SELL	34.92	Ordinary	(3,039)	(3,039)
5-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.34	Ordinary	14,628	14,628
5-Apr-2019	Vanguard Investments Australia Ltd.	SELL	34.21	Ordinary	(4,549)	(4,549)
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.43	Ordinary	8,456	8,456
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.43	Ordinary	217	217
9-Apr-2019	Vanguard Investments Australia Ltd.	SELL	34.14	Ordinary	(2,742)	(2,742)
9-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.14	Ordinary	338,310	338,310
10-Apr-2019	Vanguard Investments Australia Ltd.	SELL	34.26	Ordinary	(4,566)	(4,566)
11-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.29	Ordinary	16,832	16,832
12-Apr-2019	Vanguard Investments Australia Ltd.	SELL	34.73	Ordinary	(3,217)	(3,217)
16-Apr-2019	Vanguard Investments Australia Ltd.	BUY	34.86	Ordinary	65,338	65,338
18-Apr-2019	Vanguard Investments Australia Ltd.	SELL	34.99	Ordinary	(1,787)	(1,787)
23-Apr-2019	Vanguard Investments Australia Ltd.	SELL	35.61	Ordinary	(6,306)	(6,306)
26-Apr-2019	Vanguard Investments Australia Ltd.	SELL	35.97	Ordinary	(4,782)	(4,782)
30-Apr-2019	Vanguard Investments Australia Ltd.	SELL	36.01	Ordinary	(16,780)	(16,780)
30-Apr-2019	Vanguard Investments Australia Ltd.	BUY	36.01	Ordinary	12,684	12,684
1-May-2019	Vanguard Investments Australia Ltd.	BUY	35.77	Ordinary	2,285	2,285
1-May-2019	Vanguard Investments Australia Ltd.	BUY	35.77	Ordinary	22,020	22,020
1-May-2019	Vanguard Investments Australia Ltd.	BUY	35.77	Ordinary	2,886	2,886
1-May-2019	Vanguard Investments Australia Ltd.	BUY	35.77	Ordinary	27,645	27,645
1-May-2019	Vanguard Investments Australia Ltd.	BUY	35.77	Ordinary	56,260	56,260
1-May-2019	Vanguard Investments Australia Ltd.	BUY	35.77	Ordinary	5,853	5,853
3-May-2019	Vanguard Investments Australia Ltd.	SELL	36.40	Ordinary	(3,131)	(3,131)
6-May-2019	Vanguard Investments Australia Ltd.	BUY	35.76	Ordinary	20,038	20,038
7-May-2019	Vanguard Investments Australia Ltd.	SELL	36.00	Ordinary	(2,973)	(2,973)
10-May-2019	Vanguard Investments Australia Ltd.	BUY	36.49	Ordinary	1,868	1,868
10-May-2019	Vanguard Investments Australia Ltd.	BUY	36.49	Ordinary	3,198	3,198
10-May-2019	Vanguard Investments Australia Ltd.	BUY	36.49	Ordinary	2,438	2,438
10-May-2019	Vanguard Investments Australia Ltd.	BUY	36.59	Ordinary	9,513	9,513
14-May-2019	Vanguard Investments Australia Ltd.	SELL	36.30	Ordinary	(1,584)	(1,584)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	36.30	Ordinary	(7,832)	(7,832)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	36.30	Ordinary	(1,598)	(1,598)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	36.30	Ordinary	(3,504)	(3,504)
15-May-2019	Vanguard Investments Australia Ltd.	SELL	36.30	Ordinary	(4,376)	(4,376)
15-May-2019	Vanguard Investments Australia Ltd.	SELL	36.31	Ordinary	(285)	(285)
16-May-2019	Vanguard Investments Australia Ltd.	BUY	35.97	Ordinary	23,822	23,822
17-May-2019	Vanguard Investments Australia Ltd.	BUY	36.36	Ordinary	742	742
17-May-2019	Vanguard Investments Australia Ltd.	BUY	36.36	Ordinary	29,590	29,590
17-May-2019	Vanguard Investments Australia Ltd.	BUY	36.36	Ordinary	10,610	10,610
21-May-2019	Vanguard Investments Australia Ltd.	BUY	36.66	Ordinary	10,610	10,610
21-May-2019	Vanguard Investments Australia Ltd.	BUY	36.60	Ordinary	871	871
22-May-2019	Vanguard Investments Australia Ltd.	BUY	36.87	Ordinary	11,239	11,239
23-May-2019	Vanguard Investments Australia Ltd.	SELL	37.70	Ordinary	(802)	(802)
27-May-2019	Vanguard Investments Australia Ltd.	SELL	37.84	Ordinary	(25,507)	(25,507)
28-May-2019	Vanguard Investments Australia Ltd.	SELL	37.95	Ordinary	(3,312)	(3,312)

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
28-May-2019	Vanguard Investments Australia Ltd.	BUY	37.95	Ordinary	10,430	10,430
29-May-2019	Vanguard Investments Australia Ltd.	SELL	37.40	Ordinary	(17,335)	(17,335)
29-May-2019	Vanguard Investments Australia Ltd.	BUY	37.60	Ordinary	4,884	4,884
29-May-2019	Vanguard Investments Australia Ltd.	BUY	37.64	Ordinary	391	391
29-May-2019	Vanguard Investments Australia Ltd.	BUY	37.60	Ordinary	4,464	4,464
29-May-2019	Vanguard Investments Australia Ltd.	BUY	37.64	Ordinary	357	357
29-May-2019	Vanguard Investments Australia Ltd.	SELL	37.58	Ordinary	(6,801)	(6,801)
30-May-2019	Vanguard Investments Australia Ltd.	BUY	36.96	Ordinary	65,662	65,662
30-May-2019	Vanguard Investments Australia Ltd.	BUY	36.96	Ordinary	1,020	1,020
31-May-2019	Vanguard Investments Australia Ltd.	BUY	37.08	Ordinary	1,179	1,179
31-May-2019	Vanguard Investments Australia Ltd.	BUY	37.08	Ordinary	1,167	1,167
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.75	Ordinary	(20,881)	(20,881)
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.75	Ordinary	(11,183)	(11,183)
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.90	Ordinary	1,447	1,447
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.00	Ordinary	133,415	133,415
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.00	Ordinary	10,430	10,430
5-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.21	Ordinary	4,726	4,726
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.96	Ordinary	2,662	2,662
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.96	Ordinary	4,726	4,726
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.96	Ordinary	12,516	12,516
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.65	Ordinary	3,173	3,173
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.73	Ordinary	13,479	13,479
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.73	Ordinary	17,313	17,313
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.73	Ordinary	12,086	12,086
7-Jun-2019	Vanguard Investments Australia Ltd.	SELL	37.65	Ordinary	(973)	(973)
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.65	Ordinary	1,263	1,263
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	37.67	Ordinary	54,389	54,389
11-Jun-2019	Vanguard Investments Australia Ltd.	SELL	38.56	Ordinary	(2,511)	(2,511)
11-Jun-2019	Vanguard Investments Australia Ltd.	BUY	38.56	Ordinary	7,089	7,089
12-Jun-2019	Vanguard Investments Australia Ltd.	BUY	38.56	Ordinary	35,263	35,263
13-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.28	Ordinary	4,724	4,724
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	35.78	Ordinary	8,344	8,344
18-Jun-2019	Vanguard Investments Australia Ltd.	BUY	35.75	Ordinary	3,419	3,419
18-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.11	Ordinary	(80,000)	(80,000)
19-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.28	Ordinary	(57,013)	(57,013)
20-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.63	Ordinary	2,821	2,821
20-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.53	Ordinary	(5,444)	(5,444)
20-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.50	Ordinary	(51,311)	(51,311)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.41	Ordinary	5,403	5,403
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.41	Ordinary	3,454	3,454
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.41	Ordinary	3,189	3,189
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.41	Ordinary	2,039	2,039
21-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.41	Ordinary	(2,094)	(2,094)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.41	Ordinary	10,739	10,739
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.41	Ordinary	6,866	6,866
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.41	Ordinary	7,080	7,080
21-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.47	Ordinary	(380,828)	(380,828)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.41	Ordinary	21,760	21,760
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.41	Ordinary	34,035	34,035
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.41	Ordinary	6,288	6,288
24-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.23	Ordinary	(80,980)	(80,980)
25-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.63	Ordinary	(20,506)	(20,506)
26-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.27	Ordinary	6,006	6,006
27-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.59	Ordinary	(9,394)	(9,394)
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.59	Ordinary	8,024	8,024
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	36.59	Ordinary	7,336	7,336
28-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.16	Ordinary	(757)	(757)
28-Jun-2019	Vanguard Investments Australia Ltd.	SELL	36.16	Ordinary	(25,573)	(25,573)
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	36.14	Ordinary	5,943	5,943
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	36.14	Ordinary	12,468	12,468
5-Jul-2019	Vanguard Investments Australia Ltd.	BUY	37.15	Ordinary	10,194	10,194
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	37.05	Ordinary	11,886	11,886
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	37.05	Ordinary	6,234	6,234
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	37.07	Ordinary	11,506	11,506
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	37.07	Ordinary	6,234	6,234
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	37.57	Ordinary	2,394	2,394
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	37.58	Ordinary	6,228	6,228
12-Jul-2019	Vanguard Investments Australia Ltd.	SELL	37.70	Ordinary	(1,736)	(1,736)
12-Jul-2019	Vanguard Investments Australia Ltd.	SELL	37.76	Ordinary	(4,085)	(4,085)

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15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	37.94	Ordinary	4,095	4,095
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	37.94	Ordinary	20,889	20,889
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	37.87	Ordinary	5,943	5,943
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.01	Ordinary	2,461	2,461
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.01	Ordinary	81,469	81,469
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.01	Ordinary	4,282	4,282
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.04	Ordinary	15,084	15,084
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.04	Ordinary	2,648	2,648
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.04	Ordinary	10,635	10,635
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.03	Ordinary	16,943	16,943
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.03	Ordinary	12,456	12,456
17-Jul-2019	Vanguard Investments Australia Ltd.	SELL	38.41	Ordinary	(12,858)	(12,858)
18-Jul-2019	Vanguard Investments Australia Ltd.	SELL	38.12	Ordinary	(4,783)	(4,783)
19-Jul-2019	Vanguard Investments Australia Ltd.	SELL	38.45	Ordinary	(5,434)	(5,434)
19-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.45	Ordinary	7,799	7,799
22-Jul-2019	Vanguard Investments Australia Ltd.	SELL	38.45	Ordinary	(699,439)	(699,439)
22-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.48	Ordinary	5,943	5,943
22-Jul-2019	Vanguard Investments Australia Ltd.	BUY	38.48	Ordinary	878	878
23-Jul-2019	Vanguard Investments Australia Ltd.	SELL	38.89	Ordinary	(3,523)	(3,523)
24-Jul-2019	Vanguard Investments Australia Ltd.	BUY	39.30	Ordinary	6,619	6,619
26-Jul-2019	Vanguard Investments Australia Ltd.	SELL	39.79	Ordinary	(3,483)	(3,483)
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	39.84	Ordinary	11,418	11,418
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	39.19	Ordinary	21,416	21,416
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	39.19	Ordinary	5,943	5,943
1-Aug-2019	Vanguard Investments Australia Ltd.	SELL	39.63	Ordinary	(6,834)	(6,834)
2-Aug-2019	Vanguard Investments Australia Ltd.	SELL	38.86	Ordinary	(7,460)	(7,460)
6-Aug-2019	Vanguard Investments Australia Ltd.	SELL	37.89	Ordinary	(5,275)	(5,275)
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	37.89	Ordinary	7,924	7,924
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	37.89	Ordinary	14,885	14,885
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	37.89	Ordinary	9,369	9,369
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	37.89	Ordinary	9,369	9,369
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.68	Ordinary	13,867	13,867
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.68	Ordinary	12,126	12,126
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.09	Ordinary	20,601	20,601
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.09	Ordinary	11,462	11,462
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.79	Ordinary	484	484
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.79	Ordinary	7,195	7,195
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.11	Ordinary	11,462	11,462
13-Aug-2019	Vanguard Investments Australia Ltd.	SELL	38.66	Ordinary	(2,039)	(2,039)
13-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.66	Ordinary	6,807	6,807
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.00	Ordinary	2,702	2,702
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.00	Ordinary	7,952	7,952
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.00	Ordinary	17,794	17,794
15-Aug-2019	Vanguard Investments Australia Ltd.	BUY	37.73	Ordinary	7,952	7,952
16-Aug-2019	Vanguard Investments Australia Ltd.	BUY	37.84	Ordinary	15,801	15,801
19-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.22	Ordinary	20,135	20,135
20-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.98	Ordinary	5,553	5,553
20-Aug-2019	Vanguard Investments Australia Ltd.	SELL	38.98	Ordinary	(4,458)	(4,458)
20-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.98	Ordinary	9,130	9,130
21-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.79	Ordinary	5,970	5,970
21-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.79	Ordinary	6,098	6,098
22-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.90	Ordinary	4,154	4,154
22-Aug-2019	Vanguard Investments Australia Ltd.	BUY	38.90	Ordinary	11,871	11,871
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.10	Ordinary	865	865
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.10	Ordinary	2,988	2,988
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.10	Ordinary	448,202	448,202
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.10	Ordinary	13,965	13,965
28-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.28	Ordinary	28,060	28,060
29-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.31	Ordinary	5,994	5,994
30-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.10	Ordinary	27,498	27,498
30-Aug-2019	Vanguard Investments Australia Ltd.	BUY	39.10	Ordinary	8,892	8,892
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	38.61	Ordinary	23,144	23,144
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	38.32	Ordinary	112,959	112,959
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	38.33	Ordinary	362	362
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	38.54	Ordinary	16,389	16,389
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	38.54	Ordinary	8,008	8,008
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.21	Ordinary	361	361
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.21	Ordinary	8,036	8,036
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.21	Ordinary	24,701	24,701

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5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.21	Ordinary	25,661	25,661
6-Sep-2019	Vanguard Investments Australia Ltd.	SELL	39.54	Ordinary	(3,818)	(3,818)
9-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.67	Ordinary	8,040	8,040
9-Sep-2019	Vanguard Investments Australia Ltd.	SELL	39.67	Ordinary	(20,663)	(20,663)
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.25	Ordinary	7,367	7,367
12-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.37	Ordinary	8,143	8,143
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.40	Ordinary	3,840	3,840
13-Sep-2019	Vanguard Investments Australia Ltd.	SELL	39.40	Ordinary	(4,681)	(4,681)
13-Sep-2019	Vanguard Investments Australia Ltd.	SELL	39.40	Ordinary	(572)	(572)
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	38.98	Ordinary	4,116	4,116
17-Sep-2019	Vanguard Investments Australia Ltd.	SELL	38.98	Ordinary	(2,372)	(2,372)
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	38.98	Ordinary	20,235	20,235
18-Sep-2019	Vanguard Investments Australia Ltd.	SELL	38.78	Ordinary	(6,597)	(6,597)
19-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.30	Ordinary	6,030	6,030
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.67	Ordinary	7,843	7,843
20-Sep-2019	Vanguard Investments Australia Ltd.	SELL	39.68	Ordinary	(14,987)	(14,987)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.67	Ordinary	6,345	6,345
20-Sep-2019	Vanguard Investments Australia Ltd.	SELL	39.68	Ordinary	(1,944)	(1,944)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.67	Ordinary	10,650	10,650
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.91	Ordinary	15,825	15,825
24-Sep-2019	Vanguard Investments Australia Ltd.	BUY	40.17	Ordinary	2,742	2,742
24-Sep-2019	Vanguard Investments Australia Ltd.	SELL	40.04	Ordinary	(13,949)	(13,949)
24-Sep-2019	Vanguard Investments Australia Ltd.	SELL	40.04	Ordinary	(17,242)	(17,242)
24-Sep-2019	Vanguard Investments Australia Ltd.	SELL	40.04	Ordinary	(13,941)	(13,941)
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	39.81	Ordinary	14,770	14,770
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	40.35	Ordinary	14,035	14,035
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	40.35	Ordinary	8,020	8,020
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	40.35	Ordinary	12,660	12,660
30-Sep-2019	Vanguard Investments Australia Ltd.	SELL	39.80	Ordinary	(1,008)	(1,008)
30-Sep-2019	Vanguard Investments Australia Ltd.	SELL	39.80	Ordinary	(32,961)	(32,961)
1-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.19	Ordinary	4,190	4,190
1-Oct-2019	Vanguard Investments Australia Ltd.	BUY	39.94	Ordinary	548	548
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	39.50	Ordinary	28,102	28,102
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	39.50	Ordinary	3,840	3,840
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	39.50	Ordinary	2,228	2,228
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	39.50	Ordinary	8,654	8,654
2-Oct-2019	Vanguard Investments Australia Ltd.	SELL	39.42	Ordinary	(25,032)	(25,032)
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	39.42	Ordinary	19,817	19,817
3-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.71	Ordinary	17,464	17,464
3-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.75	Ordinary	11,832	11,832
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.67	Ordinary	6,425	6,425
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.67	Ordinary	899	899
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.67	Ordinary	13,647	13,647
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.67	Ordinary	17,748	17,748
7-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.98	Ordinary	7,650	7,650
9-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.69	Ordinary	9,860	9,860
10-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.96	Ordinary	3,255	3,255
10-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.96	Ordinary	7,753	7,753
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	39.26	Ordinary	5,360	5,360
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	39.26	Ordinary	8,352	8,352
14-Oct-2019	Vanguard Investments Australia Ltd.	BUY	39.66	Ordinary	149,523	149,523
14-Oct-2019	Vanguard Investments Australia Ltd.	SELL	39.66	Ordinary	(4,582)	(4,582)
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.65	Ordinary	177,191	177,191
17-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.45	Ordinary	7,888	7,888
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.29	Ordinary	5,916	5,916
18-Oct-2019	Vanguard Investments Australia Ltd.	SELL	40.29	Ordinary	(4,873)	(4,873)
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.17	Ordinary	44,419	44,419
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.29	Ordinary	10,470	10,470
21-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.68	Ordinary	13,588	13,588
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.32	Ordinary	6,246	6,246
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.32	Ordinary	10,480	10,480
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.32	Ordinary	508	508
23-Oct-2019	Vanguard Investments Australia Ltd.	SELL	40.06	Ordinary	(7,291)	(7,291)
23-Oct-2019	Vanguard Investments Australia Ltd.	SELL	40.08	Ordinary	(1,209)	(1,209)
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.27	Ordinary	11,752	11,752
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.27	Ordinary	5,394	5,394
24-Oct-2019	Vanguard Investments Australia Ltd.	SELL	40.56	Ordinary	(2,670)	(2,670)
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	41.00	Ordinary	10,480	10,480
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.23	Ordinary	35,833	35,833

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-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.23	Ordinary	5,916	5,916
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.23	Ordinary	7,888	7,888
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	40.24	Ordinary	27,745	27,745

This is Annexure A of 31 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 4 November 2019