

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme Woolworths Group Limited
ACN/ARSN 000 014 075

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 March 2020

The previous notice was given to the company on 17 October 2018

The previous notice was dated 17 October 2018

2. Previous and present voting power

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

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary	65,875,116	5.000%	75,845,088	6.014%

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 – 3,339,104	3,339,104
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 – 4,742,073	4,742,073
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 – 36,749,047	36,749,047
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 – 27,604	27,604
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 – 9,390,734	9,390,734
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 – 21,596,526	21,596,526

5. Changes in association

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

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

6. Addresses

The addresses of persons named in this form are as follows:

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

Signature

print name Shawn Acker capacity Compliance Manager

sign here  date 01 April 2020

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 Woolworths Group Limited
 ACN/ARSN 000 014 675

Substantial Holder Name Vanguard Group
 ACN/ARSN N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
16-Oct-2018	The Vanguard Group, Inc.	BUY	27.49	Ordinary	48,146	48,146
16-Oct-2018	The Vanguard Group, Inc.	SELL	27.39	Ordinary	(537)	(537)
17-Oct-2018	The Vanguard Group, Inc.	BUY	27.48	Ordinary	14,246	14,246
18-Oct-2018	The Vanguard Group, Inc.	BUY	27.86	Ordinary	47,105	47,105
18-Oct-2018	The Vanguard Group, Inc.	BUY	27.86	Ordinary	16,640	16,640
18-Oct-2018	The Vanguard Group, Inc.	BUY	27.86	Ordinary	260	260
18-Oct-2018	The Vanguard Group, Inc.	SELL	28.03	Ordinary	(736)	(736)
19-Oct-2018	The Vanguard Group, Inc.	BUY	28.04	Ordinary	7,092	7,092
19-Oct-2018	The Vanguard Group, Inc.	BUY	28.04	Ordinary	8,340	8,340
22-Oct-2018	The Vanguard Group, Inc.	BUY	28.04	Ordinary	482	482
23-Oct-2018	The Vanguard Group, Inc.	BUY	27.90	Ordinary	8,201	8,201
24-Oct-2018	The Vanguard Group, Inc.	BUY	27.97	Ordinary	25,642	25,642
24-Oct-2018	The Vanguard Group, Inc.	SELL	27.55	Ordinary	(8,589)	(8,589)
25-Oct-2018	The Vanguard Group, Inc.	BUY	27.77	Ordinary	39,935	39,935
25-Oct-2018	The Vanguard Group, Inc.	BUY	27.68	Ordinary	6,950	6,950
25-Oct-2018	The Vanguard Group, Inc.	BUY	27.75	Ordinary	104,877	104,877
25-Oct-2018	The Vanguard Group, Inc.	BUY	27.75	Ordinary	6,439	6,439
26-Oct-2018	The Vanguard Group, Inc.	BUY	27.31	Ordinary	35,061	35,061
26-Oct-2018	The Vanguard Group, Inc.	BUY	27.37	Ordinary	36,533	36,533
26-Oct-2018	The Vanguard Group, Inc.	BUY	27.31	Ordinary	20,627	20,627
26-Oct-2018	The Vanguard Group, Inc.	BUY	27.31	Ordinary	6,957	6,957
26-Oct-2018	The Vanguard Group, Inc.	BUY	27.37	Ordinary	8,898	8,898
26-Oct-2018	The Vanguard Group, Inc.	BUY	27.31	Ordinary	1,905	1,905
26-Oct-2018	The Vanguard Group, Inc.	BUY	27.31	Ordinary	3,299	3,299
30-Oct-2018	The Vanguard Group, Inc.	BUY	28.17	Ordinary	25,526	25,526
30-Oct-2018	The Vanguard Group, Inc.	BUY	28.31	Ordinary	21,011	21,011
31-Oct-2018	The Vanguard Group, Inc.	BUY	28.27	Ordinary	25,263	25,263
31-Oct-2018	The Vanguard Group, Inc.	BUY	28.27	Ordinary	9,934	9,934
31-Oct-2018	The Vanguard Group, Inc.	BUY	28.50	Ordinary	9,730	9,730
31-Oct-2018	The Vanguard Group, Inc.	BUY	28.43	Ordinary	438	438
1-Nov-2018	The Vanguard Group, Inc.	BUY	28.62	Ordinary	25,726	25,726
1-Nov-2018	The Vanguard Group, Inc.	BUY	28.63	Ordinary	13,900	13,900
1-Nov-2018	The Vanguard Group, Inc.	SELL	28.70	Ordinary	(86,057)	(86,057)
2-Nov-2018	The Vanguard Group, Inc.	BUY	28.39	Ordinary	24,583	24,583
2-Nov-2018	The Vanguard Group, Inc.	BUY	28.39	Ordinary	16,752	16,752
2-Nov-2018	The Vanguard Group, Inc.	BUY	28.39	Ordinary	3,085	3,085
2-Nov-2018	The Vanguard Group, Inc.	SELL	28.60	Ordinary	(29,528)	(29,528)
5-Nov-2018	The Vanguard Group, Inc.	SELL	28.81	Ordinary	(9,876)	(9,876)
7-Nov-2018	The Vanguard Group, Inc.	BUY	29.14	Ordinary	11,496	11,496
12-Nov-2018	The Vanguard Group, Inc.	BUY	29.71	Ordinary	9,828	9,828
12-Nov-2018	The Vanguard Group, Inc.	BUY	29.71	Ordinary	29,448	29,448
12-Nov-2018	The Vanguard Group, Inc.	SELL	29.44	Ordinary	(2,589)	(2,589)
13-Nov-2018	The Vanguard Group, Inc.	BUY	29.76	Ordinary	35,139	35,139
13-Nov-2018	The Vanguard Group, Inc.	BUY	29.76	Ordinary	2,935	2,935
13-Nov-2018	The Vanguard Group, Inc.	BUY	29.60	Ordinary	5,396	5,396
14-Nov-2018	The Vanguard Group, Inc.	BUY	29.06	Ordinary	13,104	13,104
14-Nov-2018	The Vanguard Group, Inc.	BUY	29.06	Ordinary	9,828	9,828
14-Nov-2018	The Vanguard Group, Inc.	BUY	29.06	Ordinary	11,043	11,043
15-Nov-2018	The Vanguard Group, Inc.	BUY	29.30	Ordinary	23,789	23,789
15-Nov-2018	The Vanguard Group, Inc.	BUY	29.07	Ordinary	3,696	3,696
15-Nov-2018	The Vanguard Group, Inc.	BUY	29.07	Ordinary	1,634	1,634
15-Nov-2018	The Vanguard Group, Inc.	BUY	28.95	Ordinary	1,276	1,276
21-Nov-2018	The Vanguard Group, Inc.	BUY	28.84	Ordinary	13,104	13,104
26-Nov-2018	The Vanguard Group, Inc.	SELL	29.25	Ordinary	(303)	(303)
27-Nov-2018	The Vanguard Group, Inc.	BUY	29.60	Ordinary	1,356	1,356
28-Nov-2018	The Vanguard Group, Inc.	BUY	29.91	Ordinary	1,205	1,205
28-Nov-2018	The Vanguard Group, Inc.	BUY	29.91	Ordinary	7,230	7,230
28-Nov-2018	The Vanguard Group, Inc.	BUY	29.91	Ordinary	8,190	8,190
28-Nov-2018	The Vanguard Group, Inc.	BUY	29.91	Ordinary	12,270	12,270
28-Nov-2018	The Vanguard Group, Inc.	BUY	29.91	Ordinary	3,681	3,681

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-Nov-2018	The Vanguard Group, Inc.	BUY	29.91	Ordinary	6,135	6,135
28-Nov-2018	The Vanguard Group, Inc.	BUY	29.91	Ordinary	6,391	6,391
29-Nov-2018	The Vanguard Group, Inc.	BUY	29.80	Ordinary	20,859	20,859
29-Nov-2018	The Vanguard Group, Inc.	BUY	29.83	Ordinary	236	236
29-Nov-2018	The Vanguard Group, Inc.	SELL	29.83	Ordinary	(1,994)	(1,994)
30-Nov-2018	The Vanguard Group, Inc.	BUY	29.47	Ordinary	32,675	32,675
30-Nov-2018	The Vanguard Group, Inc.	BUY	29.32	Ordinary	70,100	70,100
30-Nov-2018	The Vanguard Group, Inc.	SELL	28.95	Ordinary	(36,413)	(36,413)
3-Dec-2018	The Vanguard Group, Inc.	BUY	29.08	Ordinary	125,201	125,201
3-Dec-2018	The Vanguard Group, Inc.	SELL	29.15	Ordinary	(6,485)	(6,485)
4-Dec-2018	The Vanguard Group, Inc.	BUY	28.73	Ordinary	3,696	3,696
4-Dec-2018	The Vanguard Group, Inc.	BUY	28.73	Ordinary	13,104	13,104
4-Dec-2018	The Vanguard Group, Inc.	BUY	28.94	Ordinary	82,800	82,800
4-Dec-2018	The Vanguard Group, Inc.	BUY	28.92	Ordinary	13,272	13,272
5-Dec-2018	The Vanguard Group, Inc.	BUY	28.72	Ordinary	715	715
5-Dec-2018	The Vanguard Group, Inc.	BUY	28.72	Ordinary	17,927	17,927
5-Dec-2018	The Vanguard Group, Inc.	BUY	28.87	Ordinary	144,794	144,794
5-Dec-2018	The Vanguard Group, Inc.	BUY	28.97	Ordinary	6,558	6,558
6-Dec-2018	The Vanguard Group, Inc.	BUY	29.06	Ordinary	2,772	2,772
6-Dec-2018	The Vanguard Group, Inc.	SELL	29.02	Ordinary	(800)	(800)
6-Dec-2018	The Vanguard Group, Inc.	BUY	29.02	Ordinary	8,851	8,851
7-Dec-2018	The Vanguard Group, Inc.	BUY	29.16	Ordinary	7,469	7,469
7-Dec-2018	The Vanguard Group, Inc.	BUY	29.16	Ordinary	31,189	31,189
7-Dec-2018	The Vanguard Group, Inc.	BUY	29.10	Ordinary	13,104	13,104
7-Dec-2018	The Vanguard Group, Inc.	BUY	29.10	Ordinary	11,466	11,466
10-Dec-2018	The Vanguard Group, Inc.	BUY	29.03	Ordinary	11,867	11,867
10-Dec-2018	The Vanguard Group, Inc.	BUY	28.74	Ordinary	7,030	7,030
11-Dec-2018	The Vanguard Group, Inc.	BUY	28.64	Ordinary	25,610	25,610
11-Dec-2018	The Vanguard Group, Inc.	BUY	28.40	Ordinary	9,828	9,828
11-Dec-2018	The Vanguard Group, Inc.	BUY	28.40	Ordinary	13,104	13,104
12-Dec-2018	The Vanguard Group, Inc.	BUY	28.45	Ordinary	24,444	24,444
12-Dec-2018	The Vanguard Group, Inc.	BUY	28.40	Ordinary	9,828	9,828
12-Dec-2018	The Vanguard Group, Inc.	BUY	28.40	Ordinary	9,828	9,828
12-Dec-2018	The Vanguard Group, Inc.	BUY	28.40	Ordinary	27,846	27,846
12-Dec-2018	The Vanguard Group, Inc.	SELL	28.52	Ordinary	(545)	(545)
12-Dec-2018	The Vanguard Group, Inc.	BUY	28.40	Ordinary	3,652	3,652
13-Dec-2018	The Vanguard Group, Inc.	BUY	28.45	Ordinary	6,391	6,391
13-Dec-2018	The Vanguard Group, Inc.	BUY	28.45	Ordinary	1,634	1,634
13-Dec-2018	The Vanguard Group, Inc.	BUY	28.49	Ordinary	65	65
13-Dec-2018	The Vanguard Group, Inc.	BUY	28.49	Ordinary	547	547
14-Dec-2018	The Vanguard Group, Inc.	BUY	28.26	Ordinary	9,828	9,828
14-Dec-2018	The Vanguard Group, Inc.	BUY	28.26	Ordinary	7,362	7,362
14-Dec-2018	The Vanguard Group, Inc.	BUY	28.26	Ordinary	2,739	2,739
14-Dec-2018	The Vanguard Group, Inc.	SELL	28.31	Ordinary	(878)	(878)
14-Dec-2018	The Vanguard Group, Inc.	BUY	28.37	Ordinary	679	679
14-Dec-2018	The Vanguard Group, Inc.	BUY	28.37	Ordinary	944	944
17-Dec-2018	The Vanguard Group, Inc.	BUY	28.46	Ordinary	19,656	19,656
17-Dec-2018	The Vanguard Group, Inc.	BUY	28.46	Ordinary	9,130	9,130
17-Dec-2018	The Vanguard Group, Inc.	SELL	28.64	Ordinary	(7,822)	(7,822)
18-Dec-2018	The Vanguard Group, Inc.	BUY	28.70	Ordinary	24,347	24,347
18-Dec-2018	The Vanguard Group, Inc.	BUY	28.70	Ordinary	835	835
18-Dec-2018	The Vanguard Group, Inc.	BUY	28.48	Ordinary	447	447
19-Dec-2018	The Vanguard Group, Inc.	BUY	28.52	Ordinary	64,206	64,206
19-Dec-2018	The Vanguard Group, Inc.	BUY	28.66	Ordinary	8,828	8,828
20-Dec-2018	The Vanguard Group, Inc.	BUY	28.61	Ordinary	13,104	13,104
20-Dec-2018	The Vanguard Group, Inc.	SELL	28.72	Ordinary	(4,862)	(4,862)
20-Dec-2018	The Vanguard Group, Inc.	SELL	28.72	Ordinary	(48,020)	(48,020)
20-Dec-2018	The Vanguard Group, Inc.	BUY	28.72	Ordinary	10,137	10,137
21-Dec-2018	The Vanguard Group, Inc.	SELL	28.67	Ordinary	(19,000)	(19,000)
21-Dec-2018	The Vanguard Group, Inc.	SELL	28.67	Ordinary	(800)	(800)
21-Dec-2018	The Vanguard Group, Inc.	SELL	28.67	Ordinary	(9,443)	(9,443)
21-Dec-2018	The Vanguard Group, Inc.	SELL	28.67	Ordinary	(301)	(301)
21-Dec-2018	The Vanguard Group, Inc.	BUY	28.65	Ordinary	49	49
21-Dec-2018	The Vanguard Group, Inc.	BUY	28.65	Ordinary	17	17
21-Dec-2018	The Vanguard Group, Inc.	BUY	28.65	Ordinary	394	394
24-Dec-2018	The Vanguard Group, Inc.	BUY	28.58	Ordinary	13,280	13,280
24-Dec-2018	The Vanguard Group, Inc.	BUY	28.58	Ordinary	8,300	8,300

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
26-Dec-2018	The Vanguard Group, Inc.	BUY	28.99	Ordinary	11,505	11,505
26-Dec-2018	The Vanguard Group, Inc.	BUY	28.99	Ordinary	4,980	4,980
27-Dec-2018	The Vanguard Group, Inc.	BUY	29.45	Ordinary	945	945
27-Dec-2018	The Vanguard Group, Inc.	BUY	29.45	Ordinary	4,150	4,150
27-Dec-2018	The Vanguard Group, Inc.	BUY	29.45	Ordinary	12,450	12,450
27-Dec-2018	The Vanguard Group, Inc.	BUY	29.45	Ordinary	2,490	2,490
27-Dec-2018	The Vanguard Group, Inc.	BUY	29.30	Ordinary	49	49
28-Dec-2018	The Vanguard Group, Inc.	BUY	29.49	Ordinary	4,425	4,425
28-Dec-2018	The Vanguard Group, Inc.	BUY	29.46	Ordinary	18,112	18,112
28-Dec-2018	The Vanguard Group, Inc.	BUY	29.46	Ordinary	9,739	9,739
28-Dec-2018	The Vanguard Group, Inc.	BUY	29.46	Ordinary	151	151
28-Dec-2018	The Vanguard Group, Inc.	BUY	29.55	Ordinary	2,643	2,643
31-Dec-2018	The Vanguard Group, Inc.	BUY	29.45	Ordinary	4,536	4,536
2-Jan-2019	The Vanguard Group, Inc.	BUY	29.30	Ordinary	3,402	3,402
2-Jan-2019	The Vanguard Group, Inc.	BUY	29.30	Ordinary	1,323	1,323
2-Jan-2019	The Vanguard Group, Inc.	BUY	29.30	Ordinary	11,505	11,505
2-Jan-2019	The Vanguard Group, Inc.	BUY	29.30	Ordinary	6,195	6,195
2-Jan-2019	The Vanguard Group, Inc.	BUY	29.25	Ordinary	1,545	1,545
2-Jan-2019	The Vanguard Group, Inc.	BUY	29.30	Ordinary	5,810	5,810
2-Jan-2019	The Vanguard Group, Inc.	BUY	29.30	Ordinary	4,980	4,980
2-Jan-2019	The Vanguard Group, Inc.	BUY	29.30	Ordinary	1,582	1,582
2-Jan-2019	The Vanguard Group, Inc.	BUY	29.15	Ordinary	8,466	8,466
3-Jan-2019	The Vanguard Group, Inc.	BUY	29.34	Ordinary	9,803	9,803
3-Jan-2019	The Vanguard Group, Inc.	BUY	29.14	Ordinary	4,150	4,150
3-Jan-2019	The Vanguard Group, Inc.	BUY	29.14	Ordinary	1,582	1,582
3-Jan-2019	The Vanguard Group, Inc.	BUY	29.34	Ordinary	2,273	2,273
3-Jan-2019	The Vanguard Group, Inc.	BUY	29.34	Ordinary	1,519	1,519
4-Jan-2019	The Vanguard Group, Inc.	BUY	29.07	Ordinary	12,003	12,003
4-Jan-2019	The Vanguard Group, Inc.	BUY	29.07	Ordinary	49	49
4-Jan-2019	The Vanguard Group, Inc.	BUY	29.30	Ordinary	457	457
7-Jan-2019	The Vanguard Group, Inc.	BUY	29.62	Ordinary	1,660	1,660
8-Jan-2019	The Vanguard Group, Inc.	SELL	29.60	Ordinary	(658)	(658)
8-Jan-2019	The Vanguard Group, Inc.	SELL	29.57	Ordinary	(27,401)	(27,401)
8-Jan-2019	The Vanguard Group, Inc.	BUY	29.68	Ordinary	860	860
8-Jan-2019	The Vanguard Group, Inc.	BUY	29.68	Ordinary	3,689	3,689
8-Jan-2019	The Vanguard Group, Inc.	BUY	29.68	Ordinary	1,100	1,100
9-Jan-2019	The Vanguard Group, Inc.	BUY	29.69	Ordinary	15,174	15,174
9-Jan-2019	The Vanguard Group, Inc.	BUY	29.76	Ordinary	6,195	6,195
9-Jan-2019	The Vanguard Group, Inc.	SELL	29.70	Ordinary	(14,396)	(14,396)
9-Jan-2019	The Vanguard Group, Inc.	BUY	29.69	Ordinary	90	90
10-Jan-2019	The Vanguard Group, Inc.	BUY	29.94	Ordinary	3,024	3,024
10-Jan-2019	The Vanguard Group, Inc.	BUY	29.94	Ordinary	3,164	3,164
10-Jan-2019	The Vanguard Group, Inc.	SELL	29.76	Ordinary	(13,303)	(13,303)
10-Jan-2019	The Vanguard Group, Inc.	BUY	29.87	Ordinary	6,765	6,765
11-Jan-2019	The Vanguard Group, Inc.	BUY	29.72	Ordinary	1,134	1,134
11-Jan-2019	The Vanguard Group, Inc.	BUY	29.72	Ordinary	10,620	10,620
14-Jan-2019	The Vanguard Group, Inc.	BUY	29.70	Ordinary	6,195	6,195
15-Jan-2019	The Vanguard Group, Inc.	SELL	29.68	Ordinary	(8,868)	(8,868)
15-Jan-2019	The Vanguard Group, Inc.	BUY	29.75	Ordinary	9,759	9,759
17-Jan-2019	The Vanguard Group, Inc.	SELL	30.11	Ordinary	(8,274)	(8,274)
17-Jan-2019	The Vanguard Group, Inc.	BUY	30.04	Ordinary	1,414	1,414
17-Jan-2019	The Vanguard Group, Inc.	SELL	30.04	Ordinary	(10,307)	(10,307)
18-Jan-2019	The Vanguard Group, Inc.	BUY	30.06	Ordinary	23,250	23,250
18-Jan-2019	The Vanguard Group, Inc.	SELL	30.14	Ordinary	(556)	(556)
18-Jan-2019	The Vanguard Group, Inc.	SELL	29.96	Ordinary	(3,187)	(3,187)
22-Jan-2019	The Vanguard Group, Inc.	SELL	29.86	Ordinary	(8,274)	(8,274)
22-Jan-2019	The Vanguard Group, Inc.	BUY	29.89	Ordinary	227	227
23-Jan-2019	The Vanguard Group, Inc.	BUY	30.03	Ordinary	23,435	23,435
23-Jan-2019	The Vanguard Group, Inc.	SELL	30.19	Ordinary	(17,927)	(17,927)
23-Jan-2019	The Vanguard Group, Inc.	BUY	30.20	Ordinary	1,294	1,294
24-Jan-2019	The Vanguard Group, Inc.	SELL	30.56	Ordinary	(17,927)	(17,927)
24-Jan-2019	The Vanguard Group, Inc.	BUY	30.52	Ordinary	57	57
24-Jan-2019	The Vanguard Group, Inc.	BUY	30.52	Ordinary	19,135	19,135
25-Jan-2019	The Vanguard Group, Inc.	BUY	30.56	Ordinary	9,466	9,466
28-Jan-2019	The Vanguard Group, Inc.	SELL	30.36	Ordinary	(4,980)	(4,980)
29-Jan-2019	The Vanguard Group, Inc.	SELL	30.09	Ordinary	(26,201)	(26,201)
29-Jan-2019	The Vanguard Group, Inc.	SELL	30.09	Ordinary	(11,032)	(11,032)

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29-Jan-2019	The Vanguard Group, Inc.	SELL	30.09	Ordinary	(11,032)	(11,032)
29-Jan-2019	The Vanguard Group, Inc.	SELL	30.09	Ordinary	(5,310)	(5,310)
29-Jan-2019	The Vanguard Group, Inc.	SELL	30.31	Ordinary	(474)	(474)
29-Jan-2019	The Vanguard Group, Inc.	SELL	30.09	Ordinary	(3,320)	(3,320)
29-Jan-2019	The Vanguard Group, Inc.	BUY	30.03	Ordinary	743	743
29-Jan-2019	The Vanguard Group, Inc.	BUY	30.31	Ordinary	139	139
30-Jan-2019	The Vanguard Group, Inc.	BUY	29.66	Ordinary	1,323	1,323
30-Jan-2019	The Vanguard Group, Inc.	SELL	29.66	Ordinary	(4,980)	(4,980)
30-Jan-2019	The Vanguard Group, Inc.	SELL	29.61	Ordinary	(8,697)	(8,697)
30-Jan-2019	The Vanguard Group, Inc.	BUY	30.04	Ordinary	268	268
30-Jan-2019	The Vanguard Group, Inc.	SELL	30.02	Ordinary	(5,617)	(5,617)
30-Jan-2019	The Vanguard Group, Inc.	BUY	29.61	Ordinary	36,243	36,243
31-Jan-2019	The Vanguard Group, Inc.	BUY	29.90	Ordinary	9,353	9,353
31-Jan-2019	The Vanguard Group, Inc.	SELL	29.40	Ordinary	(4,425)	(4,425)
31-Jan-2019	The Vanguard Group, Inc.	SELL	29.40	Ordinary	(14,110)	(14,110)
31-Jan-2019	The Vanguard Group, Inc.	BUY	29.37	Ordinary	736	736
31-Jan-2019	The Vanguard Group, Inc.	BUY	29.37	Ordinary	414	414
1-Feb-2019	The Vanguard Group, Inc.	BUY	29.62	Ordinary	1,107	1,107
4-Feb-2019	The Vanguard Group, Inc.	SELL	29.72	Ordinary	(7,080)	(7,080)
4-Feb-2019	The Vanguard Group, Inc.	SELL	29.72	Ordinary	(6,195)	(6,195)
5-Feb-2019	The Vanguard Group, Inc.	BUY	29.87	Ordinary	2,079	2,079
5-Feb-2019	The Vanguard Group, Inc.	SELL	29.87	Ordinary	(6,195)	(6,195)
7-Feb-2019	The Vanguard Group, Inc.	SELL	30.02	Ordinary	(9,440)	(9,440)
7-Feb-2019	The Vanguard Group, Inc.	BUY	30.02	Ordinary	3,780	3,780
7-Feb-2019	The Vanguard Group, Inc.	SELL	30.02	Ordinary	(7,080)	(7,080)
7-Feb-2019	The Vanguard Group, Inc.	SELL	30.02	Ordinary	(3,320)	(3,320)
7-Feb-2019	The Vanguard Group, Inc.	SELL	30.02	Ordinary	(3,320)	(3,320)
7-Feb-2019	The Vanguard Group, Inc.	BUY	30.03	Ordinary	116,932	116,932
8-Feb-2019	The Vanguard Group, Inc.	BUY	30.18	Ordinary	14,897	14,897
8-Feb-2019	The Vanguard Group, Inc.	SELL	30.38	Ordinary	(10,790)	(10,790)
8-Feb-2019	The Vanguard Group, Inc.	BUY	30.18	Ordinary	4,657	4,657
8-Feb-2019	The Vanguard Group, Inc.	BUY	30.36	Ordinary	16,569	16,569
11-Feb-2019	The Vanguard Group, Inc.	SELL	30.36	Ordinary	(7,470)	(7,470)
11-Feb-2019	The Vanguard Group, Inc.	BUY	30.30	Ordinary	26,207	26,207
12-Feb-2019	The Vanguard Group, Inc.	BUY	30.44	Ordinary	23,484	23,484
12-Feb-2019	The Vanguard Group, Inc.	SELL	30.37	Ordinary	(68,283)	(68,283)
13-Feb-2019	The Vanguard Group, Inc.	BUY	30.34	Ordinary	41,895	41,895
13-Feb-2019	The Vanguard Group, Inc.	BUY	30.13	Ordinary	14,390	14,390
13-Feb-2019	The Vanguard Group, Inc.	SELL	30.16	Ordinary	(4,980)	(4,980)
15-Feb-2019	The Vanguard Group, Inc.	BUY	30.05	Ordinary	23,800	23,800
15-Feb-2019	The Vanguard Group, Inc.	SELL	30.04	Ordinary	(1,770)	(1,770)
15-Feb-2019	The Vanguard Group, Inc.	SELL	30.08	Ordinary	(428)	(428)
18-Feb-2019	The Vanguard Group, Inc.	BUY	30.24	Ordinary	4,649	4,649
20-Feb-2019	The Vanguard Group, Inc.	BUY	28.85	Ordinary	41,239	41,239
20-Feb-2019	The Vanguard Group, Inc.	SELL	28.69	Ordinary	(7,854)	(7,854)
20-Feb-2019	The Vanguard Group, Inc.	BUY	28.69	Ordinary	976	976
20-Feb-2019	The Vanguard Group, Inc.	SELL	28.90	Ordinary	(897)	(897)
20-Feb-2019	The Vanguard Group, Inc.	BUY	28.69	Ordinary	22,472	22,472
21-Feb-2019	The Vanguard Group, Inc.	BUY	28.37	Ordinary	24,332	24,332
21-Feb-2019	The Vanguard Group, Inc.	SELL	28.43	Ordinary	(6,195)	(6,195)
21-Feb-2019	The Vanguard Group, Inc.	SELL	28.43	Ordinary	(4,150)	(4,150)
22-Feb-2019	The Vanguard Group, Inc.	BUY	28.47	Ordinary	35,798	35,798
22-Feb-2019	The Vanguard Group, Inc.	BUY	28.47	Ordinary	9,728	9,728
22-Feb-2019	The Vanguard Group, Inc.	SELL	28.63	Ordinary	(25,665)	(25,665)
22-Feb-2019	The Vanguard Group, Inc.	BUY	28.47	Ordinary	2,070	2,070
22-Feb-2019	The Vanguard Group, Inc.	BUY	28.47	Ordinary	133	133
26-Feb-2019	The Vanguard Group, Inc.	BUY	28.56	Ordinary	6,895	6,895
26-Feb-2019	The Vanguard Group, Inc.	BUY	28.60	Ordinary	523	523
27-Feb-2019	The Vanguard Group, Inc.	BUY	29.04	Ordinary	1,582	1,582
27-Feb-2019	The Vanguard Group, Inc.	BUY	28.97	Ordinary	736	736
28-Feb-2019	The Vanguard Group, Inc.	SELL	28.60	Ordinary	(4,872)	(4,872)
28-Feb-2019	The Vanguard Group, Inc.	BUY	28.70	Ordinary	424	424
28-Feb-2019	The Vanguard Group, Inc.	SELL	28.67	Ordinary	(22,357)	(22,357)
28-Feb-2019	The Vanguard Group, Inc.	BUY	28.70	Ordinary	5,909	5,909
1-Mar-2019	The Vanguard Group, Inc.	SELL	28.83	Ordinary	(24,712)	(24,712)
1-Mar-2019	The Vanguard Group, Inc.	BUY	28.83	Ordinary	890	890
1-Mar-2019	The Vanguard Group, Inc.	SELL	28.83	Ordinary	(3,275)	(3,275)

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4-Mar-2019	The Vanguard Group, Inc.	BUY	29.27	Ordinary	30,607	30,607
4-Mar-2019	The Vanguard Group, Inc.	SELL	29.27	Ordinary	(26,644)	(26,644)
4-Mar-2019	The Vanguard Group, Inc.	BUY	29.27	Ordinary	1,186	1,186
4-Mar-2019	The Vanguard Group, Inc.	SELL	29.27	Ordinary	(3,028)	(3,028)
5-Mar-2019	The Vanguard Group, Inc.	BUY	29.74	Ordinary	8,274	8,274
5-Mar-2019	The Vanguard Group, Inc.	BUY	29.75	Ordinary	195	195
5-Mar-2019	The Vanguard Group, Inc.	SELL	29.75	Ordinary	(6,393)	(6,393)
6-Mar-2019	The Vanguard Group, Inc.	BUY	30.03	Ordinary	6,195	6,195
6-Mar-2019	The Vanguard Group, Inc.	BUY	29.98	Ordinary	6,505	6,505
6-Mar-2019	The Vanguard Group, Inc.	BUY	30.06	Ordinary	413	413
7-Mar-2019	The Vanguard Group, Inc.	BUY	30.16	Ordinary	423	423
8-Mar-2019	The Vanguard Group, Inc.	BUY	30.21	Ordinary	6,895	6,895
8-Mar-2019	The Vanguard Group, Inc.	BUY	30.25	Ordinary	548	548
8-Mar-2019	The Vanguard Group, Inc.	BUY	30.24	Ordinary	643	643
11-Mar-2019	The Vanguard Group, Inc.	BUY	29.99	Ordinary	736	736
11-Mar-2019	The Vanguard Group, Inc.	SELL	30.23	Ordinary	(10,083)	(10,083)
12-Mar-2019	The Vanguard Group, Inc.	BUY	30.05	Ordinary	57,518	57,518
12-Mar-2019	The Vanguard Group, Inc.	BUY	30.05	Ordinary	2,978	2,978
12-Mar-2019	The Vanguard Group, Inc.	SELL	30.07	Ordinary	(4,654)	(4,654)
14-Mar-2019	The Vanguard Group, Inc.	SELL	30.23	Ordinary	(12,060)	(12,060)
15-Mar-2019	The Vanguard Group, Inc.	BUY	30.31	Ordinary	37,775	37,775
15-Mar-2019	The Vanguard Group, Inc.	SELL	30.23	Ordinary	(31,694)	(31,694)
15-Mar-2019	The Vanguard Group, Inc.	BUY	30.23	Ordinary	25	25
15-Mar-2019	The Vanguard Group, Inc.	BUY	30.24	Ordinary	69	69
15-Mar-2019	The Vanguard Group, Inc.	SELL	30.23	Ordinary	(3,055)	(3,055)
15-Mar-2019	The Vanguard Group, Inc.	SELL	30.23	Ordinary	(1,656)	(1,656)
18-Mar-2019	The Vanguard Group, Inc.	BUY	30.32	Ordinary	2,646	2,646
19-Mar-2019	The Vanguard Group, Inc.	BUY	30.36	Ordinary	339	339
19-Mar-2019	The Vanguard Group, Inc.	BUY	30.36	Ordinary	9,295	9,295
20-Mar-2019	The Vanguard Group, Inc.	BUY	30.40	Ordinary	23,198	23,198
20-Mar-2019	The Vanguard Group, Inc.	BUY	30.34	Ordinary	4,137	4,137
21-Mar-2019	The Vanguard Group, Inc.	BUY	30.48	Ordinary	832	832
21-Mar-2019	The Vanguard Group, Inc.	BUY	30.42	Ordinary	643	643
25-Mar-2019	The Vanguard Group, Inc.	SELL	30.33	Ordinary	(6,771)	(6,771)
25-Mar-2019	The Vanguard Group, Inc.	SELL	30.30	Ordinary	(4,749)	(4,749)
25-Mar-2019	The Vanguard Group, Inc.	SELL	30.33	Ordinary	(9,888)	(9,888)
26-Mar-2019	The Vanguard Group, Inc.	BUY	30.33	Ordinary	44,064	44,064
26-Mar-2019	The Vanguard Group, Inc.	BUY	30.23	Ordinary	34,825	34,825
27-Mar-2019	The Vanguard Group, Inc.	SELL	30.30	Ordinary	(848)	(848)
27-Mar-2019	The Vanguard Group, Inc.	BUY	30.20	Ordinary	1,698	1,698
27-Mar-2019	The Vanguard Group, Inc.	SELL	30.23	Ordinary	(2,259)	(2,259)
27-Mar-2019	The Vanguard Group, Inc.	BUY	30.30	Ordinary	606	606
28-Mar-2019	The Vanguard Group, Inc.	BUY	30.27	Ordinary	41,900	41,900
28-Mar-2019	The Vanguard Group, Inc.	SELL	30.48	Ordinary	(3,887)	(3,887)
29-Mar-2019	The Vanguard Group, Inc.	BUY	30.40	Ordinary	23,208	23,208
29-Mar-2019	The Vanguard Group, Inc.	SELL	30.41	Ordinary	(4,425)	(4,425)
29-Mar-2019	The Vanguard Group, Inc.	BUY	30.40	Ordinary	736	736
29-Mar-2019	The Vanguard Group, Inc.	SELL	30.40	Ordinary	(17,794)	(17,794)
1-Apr-2019	The Vanguard Group, Inc.	BUY	31.14	Ordinary	5,516	5,516
1-Apr-2019	The Vanguard Group, Inc.	BUY	31.14	Ordinary	1,698	1,698
1-Apr-2019	The Vanguard Group, Inc.	BUY	31.08	Ordinary	626	626
2-Apr-2019	The Vanguard Group, Inc.	BUY	31.28	Ordinary	35,737	35,737
3-Apr-2019	The Vanguard Group, Inc.	BUY	30.77	Ordinary	22,765	22,765
4-Apr-2019	The Vanguard Group, Inc.	BUY	30.93	Ordinary	12,630	12,630
4-Apr-2019	The Vanguard Group, Inc.	BUY	30.69	Ordinary	2,591	2,591
4-Apr-2019	The Vanguard Group, Inc.	SELL	30.69	Ordinary	(10,062)	(10,062)
5-Apr-2019	The Vanguard Group, Inc.	BUY	30.46	Ordinary	3,780	3,780
5-Apr-2019	The Vanguard Group, Inc.	BUY	30.46	Ordinary	1,698	1,698
8-Apr-2019	The Vanguard Group, Inc.	SELL	30.43	Ordinary	(10,620)	(10,620)
8-Apr-2019	The Vanguard Group, Inc.	BUY	30.43	Ordinary	1,698	1,698
9-Apr-2019	The Vanguard Group, Inc.	SELL	30.17	Ordinary	(7,817)	(7,817)
10-Apr-2019	The Vanguard Group, Inc.	BUY	30.29	Ordinary	23,872	23,872
10-Apr-2019	The Vanguard Group, Inc.	BUY	30.38	Ordinary	1,961	1,961
10-Apr-2019	The Vanguard Group, Inc.	BUY	30.38	Ordinary	31,643	31,643
12-Apr-2019	The Vanguard Group, Inc.	BUY	31.00	Ordinary	23,007	23,007
12-Apr-2019	The Vanguard Group, Inc.	BUY	30.68	Ordinary	9,227	9,227
15-Apr-2019	The Vanguard Group, Inc.	BUY	30.90	Ordinary	9,205	9,205

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15-Apr-2019	The Vanguard Group, Inc.	SELL	31.13	Ordinary	(6,195)	(6,195)
16-Apr-2019	The Vanguard Group, Inc.	BUY	31.26	Ordinary	22,619	22,619
16-Apr-2019	The Vanguard Group, Inc.	BUY	31.31	Ordinary	736	736
18-Apr-2019	The Vanguard Group, Inc.	BUY	31.22	Ordinary	16,620	16,620
23-Apr-2019	The Vanguard Group, Inc.	BUY	31.77	Ordinary	4,230	4,230
23-Apr-2019	The Vanguard Group, Inc.	SELL	31.77	Ordinary	(3,540)	(3,540)
23-Apr-2019	The Vanguard Group, Inc.	SELL	31.67	Ordinary	(7,251)	(7,251)
24-Apr-2019	The Vanguard Group, Inc.	BUY	31.93	Ordinary	31,765	31,765
24-Apr-2019	The Vanguard Group, Inc.	SELL	31.94	Ordinary	(13,716)	(13,716)
24-Apr-2019	The Vanguard Group, Inc.	BUY	31.94	Ordinary	1,262	1,262
25-Apr-2019	The Vanguard Group, Inc.	SELL	31.97	Ordinary	(4,425)	(4,425)
26-Apr-2019	The Vanguard Group, Inc.	BUY	32.01	Ordinary	6,895	6,895
26-Apr-2019	The Vanguard Group, Inc.	SELL	32.01	Ordinary	(4,425)	(4,425)
26-Apr-2019	The Vanguard Group, Inc.	SELL	31.94	Ordinary	(479)	(479)
1-May-2019	The Vanguard Group, Inc.	BUY	31.85	Ordinary	660	660
2-May-2019	The Vanguard Group, Inc.	BUY	32.39	Ordinary	74,072	74,072
3-May-2019	The Vanguard Group, Inc.	BUY	32.49	Ordinary	13,296	13,296
3-May-2019	The Vanguard Group, Inc.	BUY	32.84	Ordinary	1,325	1,325
3-May-2019	The Vanguard Group, Inc.	BUY	32.84	Ordinary	2,591	2,591
6-May-2019	The Vanguard Group, Inc.	SELL	32.60	Ordinary	(7,080)	(7,080)
7-May-2019	The Vanguard Group, Inc.	BUY	32.43	Ordinary	5,960	5,960
7-May-2019	The Vanguard Group, Inc.	BUY	32.43	Ordinary	42,658	42,658
7-May-2019	The Vanguard Group, Inc.	BUY	32.30	Ordinary	2,350	2,350
7-May-2019	The Vanguard Group, Inc.	BUY	32.43	Ordinary	14,350	14,350
7-May-2019	The Vanguard Group, Inc.	BUY	32.37	Ordinary	2,591	2,591
8-May-2019	The Vanguard Group, Inc.	SELL	32.69	Ordinary	(7,080)	(7,080)
8-May-2019	The Vanguard Group, Inc.	BUY	32.58	Ordinary	50,806	50,806
8-May-2019	The Vanguard Group, Inc.	BUY	32.58	Ordinary	12,323	12,323
8-May-2019	The Vanguard Group, Inc.	BUY	32.65	Ordinary	511	511
8-May-2019	The Vanguard Group, Inc.	BUY	32.58	Ordinary	9,791	9,791
9-May-2019	The Vanguard Group, Inc.	BUY	32.64	Ordinary	21,851	21,851
9-May-2019	The Vanguard Group, Inc.	BUY	32.82	Ordinary	8,274	8,274
9-May-2019	The Vanguard Group, Inc.	BUY	32.82	Ordinary	1,688	1,688
9-May-2019	The Vanguard Group, Inc.	BUY	32.84	Ordinary	441	441
10-May-2019	The Vanguard Group, Inc.	BUY	32.93	Ordinary	21,763	21,763
10-May-2019	The Vanguard Group, Inc.	BUY	32.93	Ordinary	8,748	8,748
10-May-2019	The Vanguard Group, Inc.	BUY	32.99	Ordinary	1,424	1,424
10-May-2019	The Vanguard Group, Inc.	BUY	32.99	Ordinary	511	511
10-May-2019	The Vanguard Group, Inc.	SELL	32.99	Ordinary	(21,027)	(21,027)
13-May-2019	The Vanguard Group, Inc.	BUY	33.10	Ordinary	5,451	5,451
13-May-2019	The Vanguard Group, Inc.	BUY	33.17	Ordinary	912	912
14-May-2019	The Vanguard Group, Inc.	SELL	33.35	Ordinary	(7,080)	(7,080)
14-May-2019	The Vanguard Group, Inc.	BUY	33.35	Ordinary	3,360	3,360
14-May-2019	The Vanguard Group, Inc.	BUY	33.35	Ordinary	844	844
14-May-2019	The Vanguard Group, Inc.	BUY	33.29	Ordinary	371	371
14-May-2019	The Vanguard Group, Inc.	BUY	33.16	Ordinary	736	736
15-May-2019	The Vanguard Group, Inc.	BUY	33.27	Ordinary	17,374	17,374
16-May-2019	The Vanguard Group, Inc.	BUY	33.33	Ordinary	747	747
16-May-2019	The Vanguard Group, Inc.	BUY	33.33	Ordinary	62,484	62,484
16-May-2019	The Vanguard Group, Inc.	BUY	33.42	Ordinary	205,116	205,116
17-May-2019	The Vanguard Group, Inc.	BUY	33.90	Ordinary	32,760	32,760
17-May-2019	The Vanguard Group, Inc.	BUY	33.90	Ordinary	14,493	14,493
17-May-2019	The Vanguard Group, Inc.	BUY	34.18	Ordinary	1,069	1,069
20-May-2019	The Vanguard Group, Inc.	BUY	34.76	Ordinary	2,350	2,350
20-May-2019	The Vanguard Group, Inc.	BUY	34.82	Ordinary	4,762	4,762
21-May-2019	The Vanguard Group, Inc.	BUY	34.26	Ordinary	69,730	69,730
21-May-2019	The Vanguard Group, Inc.	BUY	34.26	Ordinary	8,508	8,508
21-May-2019	The Vanguard Group, Inc.	BUY	33.75	Ordinary	353	353
21-May-2019	The Vanguard Group, Inc.	BUY	33.75	Ordinary	6,196	6,196
22-May-2019	The Vanguard Group, Inc.	BUY	33.96	Ordinary	55,634	55,634
22-May-2019	The Vanguard Group, Inc.	BUY	33.96	Ordinary	6,484	6,484
22-May-2019	The Vanguard Group, Inc.	BUY	33.76	Ordinary	6,123	6,123
23-May-2019	The Vanguard Group, Inc.	BUY	33.89	Ordinary	21,522	21,522
24-May-2019	The Vanguard Group, Inc.	BUY	32.70	Ordinary	2,169	2,169
28-May-2019	The Vanguard Group, Inc.	BUY	31.97	Ordinary	6,895	6,895
28-May-2019	The Vanguard Group, Inc.	SELL	32.08	Ordinary	(215)	(215)
28-May-2019	The Vanguard Group, Inc.	SELL	32.08	Ordinary	(23,304)	(23,304)

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28-May-2019	The Vanguard Group, Inc.	BUY	32.09	Ordinary	5,918	5,918
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(4,157)	(4,157)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(53,085)	(53,085)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(69,064)	(69,064)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(881,858)	(881,858)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(26,041)	(26,041)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(332,510)	(332,510)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(1,399)	(1,399)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(17,860)	(17,860)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(8,850)	(8,850)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(7,371)	(7,371)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(94,119)	(94,119)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(673)	(673)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(8,595)	(8,595)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(1,974)	(1,974)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(25,210)	(25,210)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(51)	(51)
29-May-2019	The Vanguard Group, Inc.	SELL	31.59	Ordinary	(901)	(901)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(653)	(653)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(171)	(171)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(2,188)	(2,188)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(30)	(30)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(387)	(387)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(95)	(95)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(1,216)	(1,216)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(1,055)	(1,055)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(13,470)	(13,470)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(22)	(22)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(278)	(278)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(124)	(124)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(1,589)	(1,589)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(67)	(67)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(853)	(853)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(199)	(199)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(2,539)	(2,539)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(636)	(636)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(8,117)	(8,117)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(185)	(185)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(2,363)	(2,363)
29-May-2019	The Vanguard Group, Inc.	SELL	31.57	Ordinary	(36)	(36)
29-May-2019	The Vanguard Group, Inc.	SELL	31.60	Ordinary	(462)	(462)
30-May-2019	The Vanguard Group, Inc.	BUY	31.40	Ordinary	44,129	44,129
30-May-2019	The Vanguard Group, Inc.	SELL	31.49	Ordinary	(4,211)	(4,211)
30-May-2019	The Vanguard Group, Inc.	SELL	31.49	Ordinary	(18,483)	(18,483)
30-May-2019	The Vanguard Group, Inc.	BUY	31.49	Ordinary	511	511
30-May-2019	The Vanguard Group, Inc.	SELL	31.49	Ordinary	(20,951)	(20,951)
30-May-2019	The Vanguard Group, Inc.	SELL	31.49	Ordinary	(118,985)	(118,985)
31-May-2019	The Vanguard Group, Inc.	BUY	31.47	Ordinary	23,456	23,456
31-May-2019	The Vanguard Group, Inc.	BUY	31.47	Ordinary	1,309	1,309
31-May-2019	The Vanguard Group, Inc.	SELL	31.37	Ordinary	(36,778)	(36,778)
3-Jun-2019	The Vanguard Group, Inc.	BUY	31.14	Ordinary	2,350	2,350
3-Jun-2019	The Vanguard Group, Inc.	BUY	31.10	Ordinary	4,601	4,601
3-Jun-2019	The Vanguard Group, Inc.	SELL	31.10	Ordinary	(825)	(825)
4-Jun-2019	The Vanguard Group, Inc.	SELL	31.63	Ordinary	(4,425)	(4,425)
4-Jun-2019	The Vanguard Group, Inc.	BUY	31.50	Ordinary	11,650	11,650
5-Jun-2019	The Vanguard Group, Inc.	SELL	31.32	Ordinary	(4,804)	(4,804)
5-Jun-2019	The Vanguard Group, Inc.	SELL	31.32	Ordinary	(9,608)	(9,608)
5-Jun-2019	The Vanguard Group, Inc.	BUY	31.37	Ordinary	26,746	26,746
5-Jun-2019	The Vanguard Group, Inc.	SELL	31.39	Ordinary	(252)	(252)
5-Jun-2019	The Vanguard Group, Inc.	SELL	31.19	Ordinary	(2,502)	(2,502)
6-Jun-2019	The Vanguard Group, Inc.	BUY	31.38	Ordinary	1,688	1,688
6-Jun-2019	The Vanguard Group, Inc.	BUY	31.41	Ordinary	456	456
6-Jun-2019	The Vanguard Group, Inc.	BUY	31.33	Ordinary	657	657
6-Jun-2019	The Vanguard Group, Inc.	SELL	31.33	Ordinary	(41,269)	(41,269)
7-Jun-2019	The Vanguard Group, Inc.	BUY	31.52	Ordinary	1,688	1,688
7-Jun-2019	The Vanguard Group, Inc.	BUY	31.51	Ordinary	269	269
7-Jun-2019	The Vanguard Group, Inc.	BUY	31.51	Ordinary	20,710	20,710

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10-Jun-2019	The Vanguard Group, Inc.	BUY	31.64	Ordinary	2,820	2,820
11-Jun-2019	The Vanguard Group, Inc.	SELL	32.00	Ordinary	(6,005)	(6,005)
11-Jun-2019	The Vanguard Group, Inc.	BUY	31.82	Ordinary	46	46
11-Jun-2019	The Vanguard Group, Inc.	BUY	32.05	Ordinary	511	511
11-Jun-2019	The Vanguard Group, Inc.	BUY	32.05	Ordinary	436	436
12-Jun-2019	The Vanguard Group, Inc.	BUY	32.24	Ordinary	2,820	2,820
12-Jun-2019	The Vanguard Group, Inc.	BUY	32.20	Ordinary	863	863
12-Jun-2019	The Vanguard Group, Inc.	BUY	32.20	Ordinary	1,821	1,821
13-Jun-2019	The Vanguard Group, Inc.	BUY	32.44	Ordinary	940	940
13-Jun-2019	The Vanguard Group, Inc.	SELL	32.34	Ordinary	(38,663)	(38,663)
14-Jun-2019	The Vanguard Group, Inc.	SELL	32.33	Ordinary	(3,603)	(3,603)
14-Jun-2019	The Vanguard Group, Inc.	SELL	32.31	Ordinary	(33,941)	(33,941)
17-Jun-2019	The Vanguard Group, Inc.	BUY	32.30	Ordinary	657	657
17-Jun-2019	The Vanguard Group, Inc.	SELL	32.30	Ordinary	(10,401)	(10,401)
18-Jun-2019	The Vanguard Group, Inc.	SELL	32.25	Ordinary	(5,788)	(5,788)
18-Jun-2019	The Vanguard Group, Inc.	BUY	32.63	Ordinary	1,688	1,688
19-Jun-2019	The Vanguard Group, Inc.	BUY	32.62	Ordinary	18,756	18,756
19-Jun-2019	The Vanguard Group, Inc.	SELL	32.59	Ordinary	(12,096)	(12,096)
20-Jun-2019	The Vanguard Group, Inc.	BUY	33.12	Ordinary	2,350	2,350
21-Jun-2019	The Vanguard Group, Inc.	SELL	32.99	Ordinary	(52,359)	(52,359)
21-Jun-2019	The Vanguard Group, Inc.	BUY	33.00	Ordinary	1,175	1,175
21-Jun-2019	The Vanguard Group, Inc.	BUY	32.99	Ordinary	16,030	16,030
21-Jun-2019	The Vanguard Group, Inc.	BUY	32.99	Ordinary	9,129	9,129
21-Jun-2019	The Vanguard Group, Inc.	BUY	32.99	Ordinary	1,271	1,271
21-Jun-2019	The Vanguard Group, Inc.	BUY	32.99	Ordinary	724	724
21-Jun-2019	The Vanguard Group, Inc.	BUY	32.99	Ordinary	2,983	2,983
24-Jun-2019	The Vanguard Group, Inc.	BUY	32.97	Ordinary	7,144	7,144
25-Jun-2019	The Vanguard Group, Inc.	SELL	33.17	Ordinary	(3,603)	(3,603)
25-Jun-2019	The Vanguard Group, Inc.	BUY	33.13	Ordinary	54,932	54,932
25-Jun-2019	The Vanguard Group, Inc.	BUY	33.17	Ordinary	1,410	1,410
25-Jun-2019	The Vanguard Group, Inc.	BUY	33.17	Ordinary	2,115	2,115
25-Jun-2019	The Vanguard Group, Inc.	SELL	33.25	Ordinary	(401)	(401)
25-Jun-2019	The Vanguard Group, Inc.	BUY	33.25	Ordinary	2,515	2,515
26-Jun-2019	The Vanguard Group, Inc.	BUY	33.18	Ordinary	2,820	2,820
26-Jun-2019	The Vanguard Group, Inc.	BUY	33.18	Ordinary	1,645	1,645
26-Jun-2019	The Vanguard Group, Inc.	BUY	33.24	Ordinary	2,502	2,502
26-Jun-2019	The Vanguard Group, Inc.	BUY	33.24	Ordinary	3,550	3,550
27-Jun-2019	The Vanguard Group, Inc.	BUY	33.15	Ordinary	15,120	15,120
27-Jun-2019	The Vanguard Group, Inc.	BUY	33.15	Ordinary	6,000	6,000
27-Jun-2019	The Vanguard Group, Inc.	SELL	33.39	Ordinary	(1,255)	(1,255)
28-Jun-2019	The Vanguard Group, Inc.	BUY	33.23	Ordinary	41,461	41,461
28-Jun-2019	The Vanguard Group, Inc.	SELL	33.23	Ordinary	(54)	(54)
1-Jul-2019	The Vanguard Group, Inc.	BUY	33.29	Ordinary	2,597	2,597
1-Jul-2019	The Vanguard Group, Inc.	BUY	33.29	Ordinary	1,361	1,361
2-Jul-2019	The Vanguard Group, Inc.	BUY	32.92	Ordinary	2,115	2,115
2-Jul-2019	The Vanguard Group, Inc.	BUY	33.07	Ordinary	13,091	13,091
2-Jul-2019	The Vanguard Group, Inc.	BUY	32.93	Ordinary	23,355	23,355
3-Jul-2019	The Vanguard Group, Inc.	BUY	33.33	Ordinary	11,503	11,503
4-Jul-2019	The Vanguard Group, Inc.	BUY	34.06	Ordinary	11,249	11,249
5-Jul-2019	The Vanguard Group, Inc.	BUY	34.36	Ordinary	5,516	5,516
9-Jul-2019	The Vanguard Group, Inc.	BUY	34.25	Ordinary	2,350	2,350
9-Jul-2019	The Vanguard Group, Inc.	BUY	34.14	Ordinary	657	657
10-Jul-2019	The Vanguard Group, Inc.	BUY	34.40	Ordinary	46,831	46,831
10-Jul-2019	The Vanguard Group, Inc.	BUY	34.40	Ordinary	13,658	13,658
10-Jul-2019	The Vanguard Group, Inc.	BUY	34.49	Ordinary	3,725	3,725
11-Jul-2019	The Vanguard Group, Inc.	BUY	33.96	Ordinary	2,184	2,184
11-Jul-2019	The Vanguard Group, Inc.	BUY	33.96	Ordinary	1,109	1,109
12-Jul-2019	The Vanguard Group, Inc.	BUY	34.27	Ordinary	6,630	6,630
12-Jul-2019	The Vanguard Group, Inc.	BUY	34.27	Ordinary	20,842	20,842
12-Jul-2019	The Vanguard Group, Inc.	SELL	34.23	Ordinary	(4,887)	(4,887)
12-Jul-2019	The Vanguard Group, Inc.	SELL	34.23	Ordinary	(19,149)	(19,149)
15-Jul-2019	The Vanguard Group, Inc.	BUY	34.07	Ordinary	8,274	8,274
16-Jul-2019	The Vanguard Group, Inc.	BUY	34.02	Ordinary	367	367
17-Jul-2019	The Vanguard Group, Inc.	BUY	34.14	Ordinary	20,883	20,883
17-Jul-2019	The Vanguard Group, Inc.	BUY	34.23	Ordinary	2,350	2,350
17-Jul-2019	The Vanguard Group, Inc.	BUY	34.23	Ordinary	1,175	1,175
17-Jul-2019	The Vanguard Group, Inc.	BUY	34.23	Ordinary	1,645	1,645

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17-Jul-2019	The Vanguard Group, Inc.	SELL	34.30	Ordinary	(940)	(940)
19-Jul-2019	The Vanguard Group, Inc.	BUY	34.31	Ordinary	1,618	1,618
22-Jul-2019	The Vanguard Group, Inc.	BUY	34.52	Ordinary	2,350	2,350
22-Jul-2019	The Vanguard Group, Inc.	BUY	34.52	Ordinary	6,895	6,895
22-Jul-2019	The Vanguard Group, Inc.	BUY	34.52	Ordinary	6,895	6,895
22-Jul-2019	The Vanguard Group, Inc.	BUY	34.52	Ordinary	1,618	1,618
22-Jul-2019	The Vanguard Group, Inc.	SELL	34.50	Ordinary	(22,171)	(22,171)
23-Jul-2019	The Vanguard Group, Inc.	BUY	34.74	Ordinary	2,350	2,350
23-Jul-2019	The Vanguard Group, Inc.	BUY	34.65	Ordinary	3,867	3,867
23-Jul-2019	The Vanguard Group, Inc.	BUY	34.65	Ordinary	511	511
25-Jul-2019	The Vanguard Group, Inc.	BUY	35.04	Ordinary	20,513	20,513
25-Jul-2019	The Vanguard Group, Inc.	BUY	35.36	Ordinary	2,679	2,679
26-Jul-2019	The Vanguard Group, Inc.	BUY	35.47	Ordinary	20,512	20,512
26-Jul-2019	The Vanguard Group, Inc.	BUY	35.36	Ordinary	2,115	2,115
26-Jul-2019	The Vanguard Group, Inc.	BUY	35.36	Ordinary	4,465	4,465
26-Jul-2019	The Vanguard Group, Inc.	BUY	35.36	Ordinary	1,618	1,618
26-Jul-2019	The Vanguard Group, Inc.	BUY	35.23	Ordinary	334	334
26-Jul-2019	The Vanguard Group, Inc.	SELL	35.23	Ordinary	(4,942)	(4,942)
29-Jul-2019	The Vanguard Group, Inc.	SELL	35.38	Ordinary	(27,284)	(27,284)
30-Jul-2019	The Vanguard Group, Inc.	SELL	35.51	Ordinary	(4,804)	(4,804)
30-Jul-2019	The Vanguard Group, Inc.	SELL	35.50	Ordinary	(462)	(462)
30-Jul-2019	The Vanguard Group, Inc.	BUY	35.49	Ordinary	2,427	2,427
30-Jul-2019	The Vanguard Group, Inc.	BUY	35.48	Ordinary	16,270	16,270
31-Jul-2019	The Vanguard Group, Inc.	BUY	35.65	Ordinary	2,115	2,115
1-Aug-2019	The Vanguard Group, Inc.	BUY	35.28	Ordinary	57,753	57,753
1-Aug-2019	The Vanguard Group, Inc.	BUY	35.62	Ordinary	12,411	12,411
1-Aug-2019	The Vanguard Group, Inc.	SELL	35.02	Ordinary	(872)	(872)
1-Aug-2019	The Vanguard Group, Inc.	SELL	35.58	Ordinary	(47,228)	(47,228)
2-Aug-2019	The Vanguard Group, Inc.	BUY	35.58	Ordinary	37,557	37,557
2-Aug-2019	The Vanguard Group, Inc.	BUY	35.75	Ordinary	3,572	3,572
5-Aug-2019	The Vanguard Group, Inc.	BUY	35.35	Ordinary	2,350	2,350
5-Aug-2019	The Vanguard Group, Inc.	SELL	35.35	Ordinary	(1,770)	(1,770)
5-Aug-2019	The Vanguard Group, Inc.	SELL	35.35	Ordinary	(4,425)	(4,425)
5-Aug-2019	The Vanguard Group, Inc.	BUY	35.35	Ordinary	4,465	4,465
5-Aug-2019	The Vanguard Group, Inc.	BUY	35.50	Ordinary	4,104	4,104
5-Aug-2019	The Vanguard Group, Inc.	BUY	35.59	Ordinary	1,022	1,022
6-Aug-2019	The Vanguard Group, Inc.	BUY	34.59	Ordinary	35,713	35,713
6-Aug-2019	The Vanguard Group, Inc.	SELL	34.94	Ordinary	(15,045)	(15,045)
6-Aug-2019	The Vanguard Group, Inc.	SELL	34.94	Ordinary	(7,080)	(7,080)
6-Aug-2019	The Vanguard Group, Inc.	BUY	34.94	Ordinary	809	809
6-Aug-2019	The Vanguard Group, Inc.	BUY	34.71	Ordinary	888	888
6-Aug-2019	The Vanguard Group, Inc.	BUY	34.74	Ordinary	13,797	13,797
7-Aug-2019	The Vanguard Group, Inc.	BUY	35.11	Ordinary	29,742	29,742
7-Aug-2019	The Vanguard Group, Inc.	BUY	35.11	Ordinary	10,195	10,195
7-Aug-2019	The Vanguard Group, Inc.	SELL	34.55	Ordinary	(420)	(420)
7-Aug-2019	The Vanguard Group, Inc.	BUY	35.11	Ordinary	11,574	11,574
7-Aug-2019	The Vanguard Group, Inc.	BUY	35.18	Ordinary	111,120	111,120
8-Aug-2019	The Vanguard Group, Inc.	SELL	35.60	Ordinary	(6,005)	(6,005)
8-Aug-2019	The Vanguard Group, Inc.	BUY	35.12	Ordinary	10,865	10,865
8-Aug-2019	The Vanguard Group, Inc.	BUY	35.50	Ordinary	1,975	1,975
9-Aug-2019	The Vanguard Group, Inc.	BUY	35.37	Ordinary	25,479	25,479
9-Aug-2019	The Vanguard Group, Inc.	BUY	35.37	Ordinary	3,127	3,127
9-Aug-2019	The Vanguard Group, Inc.	BUY	35.44	Ordinary	2,427	2,427
9-Aug-2019	The Vanguard Group, Inc.	BUY	35.37	Ordinary	866	866
12-Aug-2019	The Vanguard Group, Inc.	BUY	35.53	Ordinary	3,760	3,760
12-Aug-2019	The Vanguard Group, Inc.	BUY	35.70	Ordinary	726	726
12-Aug-2019	The Vanguard Group, Inc.	BUY	35.64	Ordinary	536	536
12-Aug-2019	The Vanguard Group, Inc.	BUY	35.64	Ordinary	1,965	1,965
13-Aug-2019	The Vanguard Group, Inc.	SELL	35.90	Ordinary	(8,407)	(8,407)
13-Aug-2019	The Vanguard Group, Inc.	BUY	35.59	Ordinary	10,562	10,562
13-Aug-2019	The Vanguard Group, Inc.	BUY	35.90	Ordinary	1,618	1,618
13-Aug-2019	The Vanguard Group, Inc.	BUY	35.88	Ordinary	766	766
14-Aug-2019	The Vanguard Group, Inc.	BUY	35.73	Ordinary	29,446	29,446
14-Aug-2019	The Vanguard Group, Inc.	BUY	35.74	Ordinary	657	657
15-Aug-2019	The Vanguard Group, Inc.	SELL	34.79	Ordinary	(7,206)	(7,206)
15-Aug-2019	The Vanguard Group, Inc.	BUY	35.36	Ordinary	22,574	22,574
15-Aug-2019	The Vanguard Group, Inc.	BUY	34.78	Ordinary	1,264	1,264

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16-Aug-2019	The Vanguard Group, Inc.	BUY	34.97	Ordinary	43,903	43,903
16-Aug-2019	The Vanguard Group, Inc.	BUY	34.99	Ordinary	28,394	28,394
16-Aug-2019	The Vanguard Group, Inc.	BUY	34.99	Ordinary	755	755
16-Aug-2019	The Vanguard Group, Inc.	BUY	34.99	Ordinary	4,841	4,841
19-Aug-2019	The Vanguard Group, Inc.	SELL	35.35	Ordinary	(910)	(910)
19-Aug-2019	The Vanguard Group, Inc.	BUY	35.35	Ordinary	13,568	13,568
20-Aug-2019	The Vanguard Group, Inc.	SELL	36.04	Ordinary	(3,540)	(3,540)
20-Aug-2019	The Vanguard Group, Inc.	BUY	35.70	Ordinary	91	91
20-Aug-2019	The Vanguard Group, Inc.	SELL	35.70	Ordinary	(1,192)	(1,192)
22-Aug-2019	The Vanguard Group, Inc.	BUY	35.99	Ordinary	4,700	4,700
22-Aug-2019	The Vanguard Group, Inc.	SELL	36.28	Ordinary	(14,921)	(14,921)
27-Aug-2019	The Vanguard Group, Inc.	BUY	35.97	Ordinary	463	463
27-Aug-2019	The Vanguard Group, Inc.	SELL	35.97	Ordinary	(5,449)	(5,449)
29-Aug-2019	The Vanguard Group, Inc.	BUY	36.38	Ordinary	17,725	17,725
30-Aug-2019	The Vanguard Group, Inc.	BUY	37.00	Ordinary	14,432	14,432
30-Aug-2019	The Vanguard Group, Inc.	BUY	37.77	Ordinary	17,194	17,194
2-Sep-2019	The Vanguard Group, Inc.	BUY	37.24	Ordinary	12,595	12,595
5-Sep-2019	The Vanguard Group, Inc.	BUY	36.92	Ordinary	29,262	29,262
6-Sep-2019	The Vanguard Group, Inc.	SELL	37.73	Ordinary	(402)	(402)
6-Sep-2019	The Vanguard Group, Inc.	BUY	38.06	Ordinary	657	657
6-Sep-2019	The Vanguard Group, Inc.	SELL	37.73	Ordinary	(2,603)	(2,603)
9-Sep-2019	The Vanguard Group, Inc.	BUY	37.89	Ordinary	3,055	3,055
10-Sep-2019	The Vanguard Group, Inc.	SELL	38.09	Ordinary	(115)	(115)
11-Sep-2019	The Vanguard Group, Inc.	BUY	36.75	Ordinary	3,055	3,055
12-Sep-2019	The Vanguard Group, Inc.	BUY	37.23	Ordinary	15,925	15,925
12-Sep-2019	The Vanguard Group, Inc.	BUY	36.81	Ordinary	2,350	2,350
13-Sep-2019	The Vanguard Group, Inc.	SELL	36.80	Ordinary	(415)	(415)
16-Sep-2019	The Vanguard Group, Inc.	BUY	36.34	Ordinary	3,603	3,603
16-Sep-2019	The Vanguard Group, Inc.	BUY	36.24	Ordinary	7,009	7,009
17-Sep-2019	The Vanguard Group, Inc.	BUY	36.91	Ordinary	575	575
18-Sep-2019	The Vanguard Group, Inc.	BUY	36.89	Ordinary	2,115	2,115
20-Sep-2019	The Vanguard Group, Inc.	SELL	37.43	Ordinary	(158,547)	(158,547)
20-Sep-2019	The Vanguard Group, Inc.	BUY	37.43	Ordinary	12,446	12,446
20-Sep-2019	The Vanguard Group, Inc.	BUY	37.43	Ordinary	13,413	13,413
20-Sep-2019	The Vanguard Group, Inc.	BUY	37.43	Ordinary	605	605
20-Sep-2019	The Vanguard Group, Inc.	BUY	37.43	Ordinary	24	24
20-Sep-2019	The Vanguard Group, Inc.	SELL	37.43	Ordinary	(1,487)	(1,487)
23-Sep-2019	The Vanguard Group, Inc.	BUY	37.53	Ordinary	2,350	2,350
24-Sep-2019	The Vanguard Group, Inc.	SELL	37.70	Ordinary	(967)	(967)
24-Sep-2019	The Vanguard Group, Inc.	BUY	37.70	Ordinary	1,222	1,222
24-Sep-2019	The Vanguard Group, Inc.	BUY	37.70	Ordinary	19,026	19,026
25-Sep-2019	The Vanguard Group, Inc.	BUY	37.70	Ordinary	2,350	2,350
25-Sep-2019	The Vanguard Group, Inc.	BUY	37.77	Ordinary	407	407
25-Sep-2019	The Vanguard Group, Inc.	BUY	37.55	Ordinary	18,764	18,764
26-Sep-2019	The Vanguard Group, Inc.	BUY	37.65	Ordinary	5,562	5,562
26-Sep-2019	The Vanguard Group, Inc.	BUY	37.65	Ordinary	12,390	12,390
27-Sep-2019	The Vanguard Group, Inc.	SELL	37.54	Ordinary	(537)	(537)
27-Sep-2019	The Vanguard Group, Inc.	BUY	37.54	Ordinary	448	448
30-Sep-2019	The Vanguard Group, Inc.	BUY	37.28	Ordinary	1,604	1,604
30-Sep-2019	The Vanguard Group, Inc.	SELL	37.57	Ordinary	(8,294)	(8,294)
1-Oct-2019	The Vanguard Group, Inc.	BUY	37.59	Ordinary	2,447	2,447
1-Oct-2019	The Vanguard Group, Inc.	BUY	37.59	Ordinary	1,051	1,051
2-Oct-2019	The Vanguard Group, Inc.	BUY	36.81	Ordinary	802	802
2-Oct-2019	The Vanguard Group, Inc.	BUY	37.60	Ordinary	1,696	1,696
4-Oct-2019	The Vanguard Group, Inc.	BUY	36.32	Ordinary	11,263	11,263
4-Oct-2019	The Vanguard Group, Inc.	BUY	36.25	Ordinary	1,126	1,126
4-Oct-2019	The Vanguard Group, Inc.	BUY	36.32	Ordinary	457	457
10-Oct-2019	The Vanguard Group, Inc.	BUY	37.13	Ordinary	2,350	2,350
10-Oct-2019	The Vanguard Group, Inc.	BUY	37.13	Ordinary	7,050	7,050
10-Oct-2019	The Vanguard Group, Inc.	SELL	37.13	Ordinary	(6,377)	(6,377)
15-Oct-2019	The Vanguard Group, Inc.	BUY	37.58	Ordinary	1,880	1,880
15-Oct-2019	The Vanguard Group, Inc.	SELL	37.15	Ordinary	(238)	(238)
16-Oct-2019	The Vanguard Group, Inc.	BUY	38.24	Ordinary	1,604	1,604
16-Oct-2019	The Vanguard Group, Inc.	BUY	38.31	Ordinary	457	457
17-Oct-2019	The Vanguard Group, Inc.	BUY	38.40	Ordinary	11,787	11,787
17-Oct-2019	The Vanguard Group, Inc.	BUY	38.40	Ordinary	5,808	5,808
17-Oct-2019	The Vanguard Group, Inc.	SELL	37.93	Ordinary	(3,279)	(3,279)

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
18-Oct-2019	The Vanguard Group, Inc.	SELL	37.49	Ordinary	(4,660)	(4,660)
21-Oct-2019	The Vanguard Group, Inc.	BUY	37.54	Ordinary	1,604	1,604
21-Oct-2019	The Vanguard Group, Inc.	BUY	37.48	Ordinary	663	663
21-Oct-2019	The Vanguard Group, Inc.	SELL	37.48	Ordinary	(2,453)	(2,453)
23-Oct-2019	The Vanguard Group, Inc.	BUY	37.42	Ordinary	2,350	2,350
23-Oct-2019	The Vanguard Group, Inc.	BUY	37.40	Ordinary	1,183	1,183
25-Oct-2019	The Vanguard Group, Inc.	SELL	37.92	Ordinary	(14,616)	(14,616)
25-Oct-2019	The Vanguard Group, Inc.	BUY	37.92	Ordinary	1,604	1,604
25-Oct-2019	The Vanguard Group, Inc.	BUY	37.93	Ordinary	14,295	14,295
25-Oct-2019	The Vanguard Group, Inc.	SELL	37.93	Ordinary	(31)	(31)
25-Oct-2019	The Vanguard Group, Inc.	BUY	37.93	Ordinary	663	663
28-Oct-2019	The Vanguard Group, Inc.	BUY	37.80	Ordinary	39,011	39,011
29-Oct-2019	The Vanguard Group, Inc.	SELL	37.73	Ordinary	(12,392)	(12,392)
29-Oct-2019	The Vanguard Group, Inc.	BUY	37.73	Ordinary	1,039	1,039
30-Oct-2019	The Vanguard Group, Inc.	BUY	37.41	Ordinary	9,402	9,402
31-Oct-2019	The Vanguard Group, Inc.	SELL	37.32	Ordinary	(17,495)	(17,495)
1-Nov-2019	The Vanguard Group, Inc.	BUY	37.30	Ordinary	433	433
4-Nov-2019	The Vanguard Group, Inc.	SELL	37.95	Ordinary	(3,786)	(3,786)
4-Nov-2019	The Vanguard Group, Inc.	SELL	37.71	Ordinary	(184)	(184)
5-Nov-2019	The Vanguard Group, Inc.	BUY	37.70	Ordinary	4,700	4,700
5-Nov-2019	The Vanguard Group, Inc.	SELL	37.94	Ordinary	(369)	(369)
5-Nov-2019	The Vanguard Group, Inc.	BUY	37.94	Ordinary	6,449	6,449
6-Nov-2019	The Vanguard Group, Inc.	BUY	37.56	Ordinary	40,307	40,307
6-Nov-2019	The Vanguard Group, Inc.	BUY	37.42	Ordinary	2,350	2,350
7-Nov-2019	The Vanguard Group, Inc.	BUY	37.55	Ordinary	9,620	9,620
7-Nov-2019	The Vanguard Group, Inc.	BUY	37.55	Ordinary	6,107	6,107
7-Nov-2019	The Vanguard Group, Inc.	BUY	38.15	Ordinary	5,484	5,484
8-Nov-2019	The Vanguard Group, Inc.	BUY	37.68	Ordinary	117	117
8-Nov-2019	The Vanguard Group, Inc.	BUY	37.68	Ordinary	663	663
11-Nov-2019	The Vanguard Group, Inc.	BUY	38.03	Ordinary	3,290	3,290
13-Nov-2019	The Vanguard Group, Inc.	BUY	37.90	Ordinary	4,580	4,580
13-Nov-2019	The Vanguard Group, Inc.	BUY	38.00	Ordinary	100	100
13-Nov-2019	The Vanguard Group, Inc.	BUY	38.00	Ordinary	44	44
14-Nov-2019	The Vanguard Group, Inc.	BUY	38.23	Ordinary	15,086	15,086
14-Nov-2019	The Vanguard Group, Inc.	BUY	38.72	Ordinary	3,594	3,594
15-Nov-2019	The Vanguard Group, Inc.	BUY	38.98	Ordinary	1,880	1,880
18-Nov-2019	The Vanguard Group, Inc.	BUY	38.89	Ordinary	2,585	2,585
18-Nov-2019	The Vanguard Group, Inc.	BUY	38.89	Ordinary	2,406	2,406
18-Nov-2019	The Vanguard Group, Inc.	BUY	38.90	Ordinary	146	146
18-Nov-2019	The Vanguard Group, Inc.	BUY	38.90	Ordinary	1,431	1,431
19-Nov-2019	The Vanguard Group, Inc.	BUY	39.37	Ordinary	663	663
20-Nov-2019	The Vanguard Group, Inc.	BUY	38.79	Ordinary	749	749
21-Nov-2019	The Vanguard Group, Inc.	BUY	38.54	Ordinary	181	181
22-Nov-2019	The Vanguard Group, Inc.	BUY	39.09	Ordinary	3,760	3,760
22-Nov-2019	The Vanguard Group, Inc.	SELL	38.60	Ordinary	(926)	(926)
22-Nov-2019	The Vanguard Group, Inc.	BUY	39.08	Ordinary	178	178
22-Nov-2019	The Vanguard Group, Inc.	BUY	39.08	Ordinary	954	954
25-Nov-2019	The Vanguard Group, Inc.	BUY	39.17	Ordinary	4,700	4,700
25-Nov-2019	The Vanguard Group, Inc.	BUY	39.15	Ordinary	6,067	6,067
25-Nov-2019	The Vanguard Group, Inc.	BUY	39.02	Ordinary	477	477
26-Nov-2019	The Vanguard Group, Inc.	BUY	39.13	Ordinary	4,590	4,590
26-Nov-2019	The Vanguard Group, Inc.	SELL	39.18	Ordinary	(233)	(233)
26-Nov-2019	The Vanguard Group, Inc.	BUY	39.18	Ordinary	13,063	13,063
27-Nov-2019	The Vanguard Group, Inc.	BUY	39.73	Ordinary	802	802
27-Nov-2019	The Vanguard Group, Inc.	BUY	39.68	Ordinary	477	477
27-Nov-2019	The Vanguard Group, Inc.	BUY	39.68	Ordinary	2,447	2,447
29-Nov-2019	The Vanguard Group, Inc.	BUY	39.89	Ordinary	18,380	18,380
29-Nov-2019	The Vanguard Group, Inc.	BUY	39.76	Ordinary	477	477
29-Nov-2019	The Vanguard Group, Inc.	BUY	39.76	Ordinary	663	663
29-Nov-2019	The Vanguard Group, Inc.	BUY	39.76	Ordinary	451	451
2-Dec-2019	The Vanguard Group, Inc.	BUY	39.42	Ordinary	19,488	19,488
3-Dec-2019	The Vanguard Group, Inc.	BUY	38.33	Ordinary	3,208	3,208
3-Dec-2019	The Vanguard Group, Inc.	BUY	38.43	Ordinary	1,326	1,326
3-Dec-2019	The Vanguard Group, Inc.	BUY	38.43	Ordinary	663	663
4-Dec-2019	The Vanguard Group, Inc.	BUY	37.61	Ordinary	1,859	1,859
4-Dec-2019	The Vanguard Group, Inc.	BUY	37.79	Ordinary	1,880	1,880
4-Dec-2019	The Vanguard Group, Inc.	BUY	37.72	Ordinary	318	318

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4-Dec-2019	The Vanguard Group, Inc.	BUY	37.72	Ordinary	7,893	7,893
4-Dec-2019	The Vanguard Group, Inc.	BUY	37.72	Ordinary	954	954
4-Dec-2019	The Vanguard Group, Inc.	BUY	37.72	Ordinary	11,571	11,571
5-Dec-2019	The Vanguard Group, Inc.	BUY	37.99	Ordinary	23,438	23,438
5-Dec-2019	The Vanguard Group, Inc.	SELL	38.02	Ordinary	(2,855)	(2,855)
5-Dec-2019	The Vanguard Group, Inc.	BUY	38.10	Ordinary	5,550	5,550
6-Dec-2019	The Vanguard Group, Inc.	BUY	38.36	Ordinary	1,452	1,452
6-Dec-2019	The Vanguard Group, Inc.	BUY	38.36	Ordinary	22,339	22,339
9-Dec-2019	The Vanguard Group, Inc.	BUY	38.74	Ordinary	1,795	1,795
9-Dec-2019	The Vanguard Group, Inc.	BUY	38.28	Ordinary	3,858	3,858
10-Dec-2019	The Vanguard Group, Inc.	BUY	38.25	Ordinary	663	663
11-Dec-2019	The Vanguard Group, Inc.	BUY	38.89	Ordinary	18,225	18,225
11-Dec-2019	The Vanguard Group, Inc.	BUY	38.21	Ordinary	2,820	2,820
11-Dec-2019	The Vanguard Group, Inc.	BUY	38.43	Ordinary	201	201
12-Dec-2019	The Vanguard Group, Inc.	BUY	38.00	Ordinary	3,525	3,525
12-Dec-2019	The Vanguard Group, Inc.	BUY	38.00	Ordinary	2,679	2,679
12-Dec-2019	The Vanguard Group, Inc.	SELL	37.97	Ordinary	(760)	(760)
13-Dec-2019	The Vanguard Group, Inc.	SELL	37.73	Ordinary	(228)	(228)
13-Dec-2019	The Vanguard Group, Inc.	BUY	37.54	Ordinary	1,604	1,604
13-Dec-2019	The Vanguard Group, Inc.	SELL	37.42	Ordinary	(2,138)	(2,138)
16-Dec-2019	The Vanguard Group, Inc.	BUY	37.63	Ordinary	1,074	1,074
17-Dec-2019	The Vanguard Group, Inc.	BUY	37.54	Ordinary	4,700	4,700
17-Dec-2019	The Vanguard Group, Inc.	BUY	37.54	Ordinary	2,585	2,585
17-Dec-2019	The Vanguard Group, Inc.	BUY	37.54	Ordinary	216	216
18-Dec-2019	The Vanguard Group, Inc.	SELL	37.88	Ordinary	(88,044)	(88,044)
20-Dec-2019	The Vanguard Group, Inc.	SELL	37.24	Ordinary	(15,670)	(15,670)
20-Dec-2019	The Vanguard Group, Inc.	SELL	37.24	Ordinary	(12,097)	(12,097)
20-Dec-2019	The Vanguard Group, Inc.	SELL	37.74	Ordinary	(1,170)	(1,170)
20-Dec-2019	The Vanguard Group, Inc.	BUY	37.24	Ordinary	9,689	9,689
20-Dec-2019	The Vanguard Group, Inc.	BUY	37.74	Ordinary	919	919
23-Dec-2019	The Vanguard Group, Inc.	SELL	37.20	Ordinary	(4,695)	(4,695)
23-Dec-2019	The Vanguard Group, Inc.	BUY	37.54	Ordinary	19,488	19,488
23-Dec-2019	The Vanguard Group, Inc.	BUY	37.54	Ordinary	4,176	4,176
23-Dec-2019	The Vanguard Group, Inc.	BUY	37.54	Ordinary	2,352	2,352
24-Dec-2019	The Vanguard Group, Inc.	BUY	37.33	Ordinary	8,352	8,352
24-Dec-2019	The Vanguard Group, Inc.	BUY	37.37	Ordinary	954	954
26-Dec-2019	The Vanguard Group, Inc.	BUY	37.24	Ordinary	20,880	20,880
27-Dec-2019	The Vanguard Group, Inc.	BUY	37.28	Ordinary	9,686	9,686
27-Dec-2019	The Vanguard Group, Inc.	BUY	37.28	Ordinary	668	668
27-Dec-2019	The Vanguard Group, Inc.	BUY	37.41	Ordinary	1,405	1,405
30-Dec-2019	The Vanguard Group, Inc.	BUY	37.34	Ordinary	2,350	2,350
30-Dec-2019	The Vanguard Group, Inc.	SELL	37.32	Ordinary	(14,499)	(14,499)
30-Dec-2019	The Vanguard Group, Inc.	BUY	37.44	Ordinary	477	477
30-Dec-2019	The Vanguard Group, Inc.	BUY	37.44	Ordinary	3,629	3,629
31-Dec-2019	The Vanguard Group, Inc.	BUY	36.14	Ordinary	37,759	37,759
31-Dec-2019	The Vanguard Group, Inc.	BUY	36.16	Ordinary	663	663
31-Dec-2019	The Vanguard Group, Inc.	BUY	36.16	Ordinary	663	663
2-Jan-2020	The Vanguard Group, Inc.	BUY	36.28	Ordinary	477	477
3-Jan-2020	The Vanguard Group, Inc.	BUY	36.75	Ordinary	11,080	11,080
3-Jan-2020	The Vanguard Group, Inc.	BUY	36.75	Ordinary	7,878	7,878
6-Jan-2020	The Vanguard Group, Inc.	BUY	36.31	Ordinary	763	763
6-Jan-2020	The Vanguard Group, Inc.	BUY	36.36	Ordinary	784	784
7-Jan-2020	The Vanguard Group, Inc.	BUY	36.71	Ordinary	15,843	15,843
8-Jan-2020	The Vanguard Group, Inc.	BUY	37.49	Ordinary	7,050	7,050
8-Jan-2020	The Vanguard Group, Inc.	BUY	37.25	Ordinary	663	663
8-Jan-2020	The Vanguard Group, Inc.	BUY	37.25	Ordinary	20,145	20,145
9-Jan-2020	The Vanguard Group, Inc.	BUY	37.41	Ordinary	2,115	2,115
9-Jan-2020	The Vanguard Group, Inc.	BUY	37.41	Ordinary	25,056	25,056
9-Jan-2020	The Vanguard Group, Inc.	SELL	37.22	Ordinary	(3,981)	(3,981)
9-Jan-2020	The Vanguard Group, Inc.	BUY	37.22	Ordinary	2,446	2,446
10-Jan-2020	The Vanguard Group, Inc.	BUY	37.50	Ordinary	16,492	16,492
10-Jan-2020	The Vanguard Group, Inc.	BUY	37.60	Ordinary	5,166	5,166
10-Jan-2020	The Vanguard Group, Inc.	SELL	37.50	Ordinary	(392)	(392)
10-Jan-2020	The Vanguard Group, Inc.	SELL	37.64	Ordinary	(41,581)	(41,581)
10-Jan-2020	The Vanguard Group, Inc.	BUY	37.60	Ordinary	1,568	1,568
10-Jan-2020	The Vanguard Group, Inc.	BUY	37.82	Ordinary	954	954
10-Jan-2020	The Vanguard Group, Inc.	BUY	37.82	Ordinary	663	663

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13-Jan-2020	The Vanguard Group, Inc.	BUY	37.43	Ordinary	2,439	2,439
13-Jan-2020	The Vanguard Group, Inc.	BUY	37.43	Ordinary	663	663
14-Jan-2020	The Vanguard Group, Inc.	BUY	37.73	Ordinary	24,545	24,545
14-Jan-2020	The Vanguard Group, Inc.	BUY	38.33	Ordinary	1,568	1,568
14-Jan-2020	The Vanguard Group, Inc.	BUY	38.38	Ordinary	446	446
14-Jan-2020	The Vanguard Group, Inc.	SELL	37.82	Ordinary	(10,620)	(10,620)
15-Jan-2020	The Vanguard Group, Inc.	BUY	38.37	Ordinary	11,136	11,136
15-Jan-2020	The Vanguard Group, Inc.	BUY	38.31	Ordinary	663	663
16-Jan-2020	The Vanguard Group, Inc.	BUY	38.85	Ordinary	16,406	16,406
16-Jan-2020	The Vanguard Group, Inc.	BUY	38.90	Ordinary	12,528	12,528
16-Jan-2020	The Vanguard Group, Inc.	BUY	38.68	Ordinary	477	477
17-Jan-2020	The Vanguard Group, Inc.	BUY	39.25	Ordinary	12,528	12,528
17-Jan-2020	The Vanguard Group, Inc.	BUY	39.25	Ordinary	11,136	11,136
17-Jan-2020	The Vanguard Group, Inc.	BUY	39.04	Ordinary	1,734	1,734
20-Jan-2020	The Vanguard Group, Inc.	BUY	39.24	Ordinary	2,008	2,008
21-Jan-2020	The Vanguard Group, Inc.	BUY	40.06	Ordinary	5,010	5,010
21-Jan-2020	The Vanguard Group, Inc.	BUY	40.06	Ordinary	10,020	10,020
21-Jan-2020	The Vanguard Group, Inc.	BUY	40.06	Ordinary	13,395	13,395
22-Jan-2020	The Vanguard Group, Inc.	BUY	40.76	Ordinary	19,805	19,805
22-Jan-2020	The Vanguard Group, Inc.	BUY	41.20	Ordinary	8,352	8,352
22-Jan-2020	The Vanguard Group, Inc.	BUY	41.32	Ordinary	2,439	2,439
23-Jan-2020	The Vanguard Group, Inc.	BUY	41.08	Ordinary	2,350	2,350
23-Jan-2020	The Vanguard Group, Inc.	BUY	41.45	Ordinary	22,763	22,763
23-Jan-2020	The Vanguard Group, Inc.	BUY	41.08	Ordinary	6,960	6,960
23-Jan-2020	The Vanguard Group, Inc.	SELL	41.45	Ordinary	(8,844)	(8,844)
23-Jan-2020	The Vanguard Group, Inc.	BUY	41.08	Ordinary	2,352	2,352
23-Jan-2020	The Vanguard Group, Inc.	BUY	40.94	Ordinary	477	477
23-Jan-2020	The Vanguard Group, Inc.	BUY	40.94	Ordinary	954	954
24-Jan-2020	The Vanguard Group, Inc.	BUY	41.31	Ordinary	14,177	14,177
28-Jan-2020	The Vanguard Group, Inc.	BUY	40.42	Ordinary	29,615	29,615
28-Jan-2020	The Vanguard Group, Inc.	SELL	39.91	Ordinary	(5,020)	(5,020)
28-Jan-2020	The Vanguard Group, Inc.	SELL	39.91	Ordinary	(565)	(565)
28-Jan-2020	The Vanguard Group, Inc.	BUY	41.15	Ordinary	663	663
29-Jan-2020	The Vanguard Group, Inc.	BUY	41.15	Ordinary	12,418	12,418
29-Jan-2020	The Vanguard Group, Inc.	BUY	41.19	Ordinary	954	954
29-Jan-2020	The Vanguard Group, Inc.	BUY	41.19	Ordinary	480	480
30-Jan-2020	The Vanguard Group, Inc.	BUY	41.50	Ordinary	19,628	19,628
30-Jan-2020	The Vanguard Group, Inc.	BUY	41.76	Ordinary	788	788
30-Jan-2020	The Vanguard Group, Inc.	BUY	41.44	Ordinary	1,302	1,302
30-Jan-2020	The Vanguard Group, Inc.	BUY	41.44	Ordinary	477	477
30-Jan-2020	The Vanguard Group, Inc.	BUY	41.44	Ordinary	477	477
31-Jan-2020	The Vanguard Group, Inc.	BUY	41.49	Ordinary	8,472	8,472
31-Jan-2020	The Vanguard Group, Inc.	BUY	41.49	Ordinary	8,472	8,472
31-Jan-2020	The Vanguard Group, Inc.	BUY	41.80	Ordinary	590	590
31-Jan-2020	The Vanguard Group, Inc.	BUY	41.84	Ordinary	3,467	3,467
31-Jan-2020	The Vanguard Group, Inc.	BUY	41.84	Ordinary	24,374	24,374
3-Feb-2020	The Vanguard Group, Inc.	BUY	41.70	Ordinary	33,722	33,722
3-Feb-2020	The Vanguard Group, Inc.	BUY	41.85	Ordinary	8,225	8,225
3-Feb-2020	The Vanguard Group, Inc.	BUY	41.82	Ordinary	7,317	7,317
4-Feb-2020	The Vanguard Group, Inc.	BUY	42.05	Ordinary	30,097	30,097
4-Feb-2020	The Vanguard Group, Inc.	BUY	42.43	Ordinary	4,230	4,230
4-Feb-2020	The Vanguard Group, Inc.	SELL	42.43	Ordinary	(6,376)	(6,376)
4-Feb-2020	The Vanguard Group, Inc.	BUY	42.43	Ordinary	3,572	3,572
4-Feb-2020	The Vanguard Group, Inc.	BUY	42.43	Ordinary	14,288	14,288
4-Feb-2020	The Vanguard Group, Inc.	BUY	42.05	Ordinary	964	964
4-Feb-2020	The Vanguard Group, Inc.	BUY	42.38	Ordinary	97	97
4-Feb-2020	The Vanguard Group, Inc.	BUY	42.38	Ordinary	1,431	1,431
4-Feb-2020	The Vanguard Group, Inc.	BUY	42.38	Ordinary	2,841	2,841
4-Feb-2020	The Vanguard Group, Inc.	BUY	42.38	Ordinary	663	663
5-Feb-2020	The Vanguard Group, Inc.	BUY	42.49	Ordinary	5,875	5,875
5-Feb-2020	The Vanguard Group, Inc.	BUY	42.49	Ordinary	26,828	26,828
5-Feb-2020	The Vanguard Group, Inc.	BUY	42.49	Ordinary	9,884	9,884
5-Feb-2020	The Vanguard Group, Inc.	SELL	42.35	Ordinary	(357)	(357)
6-Feb-2020	The Vanguard Group, Inc.	BUY	42.73	Ordinary	14,431	14,431
6-Feb-2020	The Vanguard Group, Inc.	BUY	42.64	Ordinary	2,364	2,364
7-Feb-2020	The Vanguard Group, Inc.	BUY	42.74	Ordinary	1,880	1,880
10-Feb-2020	The Vanguard Group, Inc.	BUY	43.33	Ordinary	12,708	12,708

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10-Feb-2020	The Vanguard Group, Inc.	BUY	43.00	Ordinary	1,039	1,039
10-Feb-2020	The Vanguard Group, Inc.	BUY	43.11	Ordinary	954	954
10-Feb-2020	The Vanguard Group, Inc.	BUY	43.11	Ordinary	2,439	2,439
11-Feb-2020	The Vanguard Group, Inc.	BUY	43.11	Ordinary	8,472	8,472
11-Feb-2020	The Vanguard Group, Inc.	BUY	43.20	Ordinary	663	663
11-Feb-2020	The Vanguard Group, Inc.	BUY	43.20	Ordinary	663	663
12-Feb-2020	The Vanguard Group, Inc.	BUY	43.29	Ordinary	27,680	27,680
12-Feb-2020	The Vanguard Group, Inc.	BUY	43.05	Ordinary	415	415
12-Feb-2020	The Vanguard Group, Inc.	BUY	43.05	Ordinary	21,701	21,701
13-Feb-2020	The Vanguard Group, Inc.	BUY	42.85	Ordinary	18,356	18,356
13-Feb-2020	The Vanguard Group, Inc.	SELL	43.29	Ordinary	(383)	(383)
13-Feb-2020	The Vanguard Group, Inc.	BUY	42.85	Ordinary	1,576	1,576
13-Feb-2020	The Vanguard Group, Inc.	BUY	42.88	Ordinary	477	477
13-Feb-2020	The Vanguard Group, Inc.	BUY	42.88	Ordinary	477	477
13-Feb-2020	The Vanguard Group, Inc.	BUY	42.88	Ordinary	663	663
13-Feb-2020	The Vanguard Group, Inc.	SELL	43.29	Ordinary	(11,573)	(11,573)
14-Feb-2020	The Vanguard Group, Inc.	BUY	43.03	Ordinary	13,776	13,776
14-Feb-2020	The Vanguard Group, Inc.	BUY	43.18	Ordinary	8,472	8,472
14-Feb-2020	The Vanguard Group, Inc.	SELL	43.14	Ordinary	(11,496)	(11,496)
18-Feb-2020	The Vanguard Group, Inc.	BUY	43.52	Ordinary	3,720	3,720
18-Feb-2020	The Vanguard Group, Inc.	BUY	43.52	Ordinary	1,002	1,002
19-Feb-2020	The Vanguard Group, Inc.	BUY	43.40	Ordinary	30,561	30,561
19-Feb-2020	The Vanguard Group, Inc.	BUY	43.53	Ordinary	25,904	25,904
19-Feb-2020	The Vanguard Group, Inc.	BUY	43.72	Ordinary	7,060	7,060
20-Feb-2020	The Vanguard Group, Inc.	BUY	43.85	Ordinary	16,563	16,563
20-Feb-2020	The Vanguard Group, Inc.	BUY	43.60	Ordinary	17,087	17,087
21-Feb-2020	The Vanguard Group, Inc.	BUY	43.33	Ordinary	28,145	28,145
21-Feb-2020	The Vanguard Group, Inc.	BUY	43.29	Ordinary	11,296	11,296
21-Feb-2020	The Vanguard Group, Inc.	BUY	43.33	Ordinary	688	688
21-Feb-2020	The Vanguard Group, Inc.	BUY	43.45	Ordinary	954	954
21-Feb-2020	The Vanguard Group, Inc.	BUY	43.45	Ordinary	1,858	1,858
24-Feb-2020	The Vanguard Group, Inc.	SELL	42.12	Ordinary	(5,950)	(5,950)
25-Feb-2020	The Vanguard Group, Inc.	SELL	41.73	Ordinary	(4,112)	(4,112)
25-Feb-2020	The Vanguard Group, Inc.	SELL	40.93	Ordinary	(2,380)	(2,380)
25-Feb-2020	The Vanguard Group, Inc.	BUY	41.79	Ordinary	32,198	32,198
25-Feb-2020	The Vanguard Group, Inc.	BUY	41.85	Ordinary	30,872	30,872
25-Feb-2020	The Vanguard Group, Inc.	BUY	40.93	Ordinary	8,472	8,472
25-Feb-2020	The Vanguard Group, Inc.	SELL	40.93	Ordinary	(3,440)	(3,440)
25-Feb-2020	The Vanguard Group, Inc.	BUY	40.93	Ordinary	788	788
25-Feb-2020	The Vanguard Group, Inc.	BUY	41.85	Ordinary	70	70
25-Feb-2020	The Vanguard Group, Inc.	SELL	41.85	Ordinary	(25,711)	(25,711)
26-Feb-2020	The Vanguard Group, Inc.	BUY	41.19	Ordinary	24,341	24,341
26-Feb-2020	The Vanguard Group, Inc.	BUY	41.19	Ordinary	15,442	15,442
26-Feb-2020	The Vanguard Group, Inc.	BUY	40.73	Ordinary	25,936	25,936
26-Feb-2020	The Vanguard Group, Inc.	BUY	40.59	Ordinary	2,364	2,364
26-Feb-2020	The Vanguard Group, Inc.	BUY	40.59	Ordinary	1,576	1,576
26-Feb-2020	The Vanguard Group, Inc.	BUY	40.73	Ordinary	2,479	2,479
26-Feb-2020	The Vanguard Group, Inc.	BUY	40.73	Ordinary	3,576	3,576
27-Feb-2020	The Vanguard Group, Inc.	BUY	40.43	Ordinary	28,788	28,788
27-Feb-2020	The Vanguard Group, Inc.	BUY	39.37	Ordinary	4,465	4,465
27-Feb-2020	The Vanguard Group, Inc.	BUY	40.22	Ordinary	79	79
28-Feb-2020	The Vanguard Group, Inc.	BUY	39.07	Ordinary	27,783	27,783
28-Feb-2020	The Vanguard Group, Inc.	BUY	39.07	Ordinary	21,473	21,473
28-Feb-2020	The Vanguard Group, Inc.	BUY	38.80	Ordinary	68,998	68,998
28-Feb-2020	The Vanguard Group, Inc.	BUY	39.07	Ordinary	13,466	13,466
2-Mar-2020	The Vanguard Group, Inc.	SELL	39.56	Ordinary	(11,296)	(11,296)
2-Mar-2020	The Vanguard Group, Inc.	SELL	37.73	Ordinary	(645)	(645)
3-Mar-2020	The Vanguard Group, Inc.	BUY	38.63	Ordinary	44,107	44,107
3-Mar-2020	The Vanguard Group, Inc.	BUY	38.63	Ordinary	506	506
3-Mar-2020	The Vanguard Group, Inc.	BUY	38.00	Ordinary	477	477
4-Mar-2020	The Vanguard Group, Inc.	BUY	37.48	Ordinary	17,026	17,026
4-Mar-2020	The Vanguard Group, Inc.	BUY	37.04	Ordinary	443	443
4-Mar-2020	The Vanguard Group, Inc.	BUY	37.04	Ordinary	954	954
4-Mar-2020	The Vanguard Group, Inc.	BUY	37.04	Ordinary	477	477
4-Mar-2020	The Vanguard Group, Inc.	BUY	37.04	Ordinary	477	477
5-Mar-2020	The Vanguard Group, Inc.	BUY	37.83	Ordinary	8,831	8,831
5-Mar-2020	The Vanguard Group, Inc.	BUY	37.83	Ordinary	3,440	3,440

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5-Mar-2020	The Vanguard Group, Inc.	BUY	37.73	Ordinary	1,198	1,198
5-Mar-2020	The Vanguard Group, Inc.	BUY	37.83	Ordinary	9,826	9,826
5-Mar-2020	The Vanguard Group, Inc.	SELL	37.73	Ordinary	(152,220)	(152,220)
6-Mar-2020	The Vanguard Group, Inc.	SELL	37.70	Ordinary	(8,472)	(8,472)
6-Mar-2020	The Vanguard Group, Inc.	BUY	38.00	Ordinary	663	663
6-Mar-2020	The Vanguard Group, Inc.	SELL	38.00	Ordinary	(111,333)	(111,333)
9-Mar-2020	The Vanguard Group, Inc.	SELL	37.47	Ordinary	(27,631)	(27,631)
10-Mar-2020	The Vanguard Group, Inc.	BUY	36.30	Ordinary	62,377	62,377
10-Mar-2020	The Vanguard Group, Inc.	SELL	37.89	Ordinary	(7,060)	(7,060)
10-Mar-2020	The Vanguard Group, Inc.	BUY	37.89	Ordinary	2,520	2,520
10-Mar-2020	The Vanguard Group, Inc.	SELL	36.28	Ordinary	(1,296)	(1,296)
10-Mar-2020	The Vanguard Group, Inc.	BUY	37.34	Ordinary	794	794
10-Mar-2020	The Vanguard Group, Inc.	BUY	37.34	Ordinary	477	477
10-Mar-2020	The Vanguard Group, Inc.	SELL	37.34	Ordinary	(7,578)	(7,578)
11-Mar-2020	The Vanguard Group, Inc.	SELL	36.09	Ordinary	(1,963)	(1,963)
11-Mar-2020	The Vanguard Group, Inc.	BUY	36.02	Ordinary	56,593	56,593
11-Mar-2020	The Vanguard Group, Inc.	SELL	35.66	Ordinary	(4,236)	(4,236)
11-Mar-2020	The Vanguard Group, Inc.	BUY	36.05	Ordinary	802	802
11-Mar-2020	The Vanguard Group, Inc.	BUY	36.02	Ordinary	8,439	8,439
11-Mar-2020	The Vanguard Group, Inc.	BUY	36.05	Ordinary	562	562
12-Mar-2020	The Vanguard Group, Inc.	BUY	36.10	Ordinary	50,481	50,481
12-Mar-2020	The Vanguard Group, Inc.	SELL	34.07	Ordinary	(15,532)	(15,532)
12-Mar-2020	The Vanguard Group, Inc.	BUY	34.07	Ordinary	9,165	9,165
12-Mar-2020	The Vanguard Group, Inc.	BUY	34.71	Ordinary	477	477
12-Mar-2020	The Vanguard Group, Inc.	BUY	34.71	Ordinary	954	954
12-Mar-2020	The Vanguard Group, Inc.	BUY	34.71	Ordinary	4,318	4,318
13-Mar-2020	The Vanguard Group, Inc.	BUY	33.49	Ordinary	93,813	93,813
13-Mar-2020	The Vanguard Group, Inc.	BUY	37.05	Ordinary	88,072	88,072
13-Mar-2020	The Vanguard Group, Inc.	BUY	38.30	Ordinary	4,200	4,200
13-Mar-2020	The Vanguard Group, Inc.	BUY	37.05	Ordinary	663	663
13-Mar-2020	The Vanguard Group, Inc.	BUY	37.05	Ordinary	38,454	38,454
13-Mar-2020	The Vanguard Group, Inc.	BUY	37.05	Ordinary	968	968
13-Mar-2020	The Vanguard Group, Inc.	BUY	37.05	Ordinary	398	398
16-Mar-2020	The Vanguard Group, Inc.	SELL	35.93	Ordinary	(3,570)	(3,570)
16-Mar-2020	The Vanguard Group, Inc.	SELL	35.93	Ordinary	(3,572)	(3,572)
16-Mar-2020	The Vanguard Group, Inc.	BUY	35.93	Ordinary	1,576	1,576
16-Mar-2020	The Vanguard Group, Inc.	BUY	35.93	Ordinary	788	788
16-Mar-2020	The Vanguard Group, Inc.	BUY	36.32	Ordinary	817	817
16-Mar-2020	The Vanguard Group, Inc.	BUY	36.32	Ordinary	343	343
16-Mar-2020	The Vanguard Group, Inc.	BUY	36.32	Ordinary	477	477
16-Mar-2020	The Vanguard Group, Inc.	BUY	37.13	Ordinary	954	954
16-Mar-2020	The Vanguard Group, Inc.	BUY	36.32	Ordinary	2,453	2,453
17-Mar-2020	The Vanguard Group, Inc.	SELL	40.98	Ordinary	(4,760)	(4,760)
17-Mar-2020	The Vanguard Group, Inc.	BUY	36.66	Ordinary	136,173	136,173
17-Mar-2020	The Vanguard Group, Inc.	BUY	40.98	Ordinary	2,350	2,350
17-Mar-2020	The Vanguard Group, Inc.	BUY	40.98	Ordinary	2,115	2,115
17-Mar-2020	The Vanguard Group, Inc.	SELL	40.98	Ordinary	(11,296)	(11,296)
17-Mar-2020	The Vanguard Group, Inc.	SELL	40.98	Ordinary	(14,120)	(14,120)
17-Mar-2020	The Vanguard Group, Inc.	BUY	40.98	Ordinary	11,590	11,590
17-Mar-2020	The Vanguard Group, Inc.	BUY	40.98	Ordinary	2,364	2,364
17-Mar-2020	The Vanguard Group, Inc.	BUY	40.98	Ordinary	1,576	1,576
17-Mar-2020	The Vanguard Group, Inc.	SELL	39.85	Ordinary	(892)	(892)
17-Mar-2020	The Vanguard Group, Inc.	BUY	36.66	Ordinary	422	422
17-Mar-2020	The Vanguard Group, Inc.	BUY	39.85	Ordinary	438	438
17-Mar-2020	The Vanguard Group, Inc.	BUY	39.85	Ordinary	35,139	35,139
17-Mar-2020	The Vanguard Group, Inc.	BUY	39.85	Ordinary	2,660	2,660
18-Mar-2020	The Vanguard Group, Inc.	BUY	40.08	Ordinary	127,198	127,198
18-Mar-2020	The Vanguard Group, Inc.	BUY	39.60	Ordinary	477	477
18-Mar-2020	The Vanguard Group, Inc.	BUY	39.60	Ordinary	954	954
19-Mar-2020	The Vanguard Group, Inc.	BUY	39.99	Ordinary	96,671	96,671
19-Mar-2020	The Vanguard Group, Inc.	BUY	39.99	Ordinary	4,465	4,465
19-Mar-2020	The Vanguard Group, Inc.	BUY	39.99	Ordinary	69	69
19-Mar-2020	The Vanguard Group, Inc.	SELL	39.90	Ordinary	(2,579)	(2,579)
20-Mar-2020	The Vanguard Group, Inc.	SELL	37.23	Ordinary	(5,950)	(5,950)
20-Mar-2020	The Vanguard Group, Inc.	BUY	38.45	Ordinary	113,692	113,692
20-Mar-2020	The Vanguard Group, Inc.	SELL	37.57	Ordinary	(59,785)	(59,785)
20-Mar-2020	The Vanguard Group, Inc.	SELL	37.57	Ordinary	(24,934)	(24,934)

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20-Mar-2020	The Vanguard Group, Inc.	SELL	37.57	Ordinary	(11,205)	(11,205)
20-Mar-2020	The Vanguard Group, Inc.	BUY	37.23	Ordinary	2,440	2,440
20-Mar-2020	The Vanguard Group, Inc.	SELL	37.57	Ordinary	(21,185)	(21,185)
20-Mar-2020	The Vanguard Group, Inc.	SELL	37.57	Ordinary	(1,892)	(1,892)
20-Mar-2020	The Vanguard Group, Inc.	BUY	37.23	Ordinary	2,364	2,364
20-Mar-2020	The Vanguard Group, Inc.	SELL	37.57	Ordinary	(5,585)	(5,585)
20-Mar-2020	The Vanguard Group, Inc.	BUY	37.47	Ordinary	90	90
20-Mar-2020	The Vanguard Group, Inc.	BUY	37.47	Ordinary	477	477
20-Mar-2020	The Vanguard Group, Inc.	SELL	37.57	Ordinary	(596)	(596)
20-Mar-2020	The Vanguard Group, Inc.	SELL	37.57	Ordinary	(2,483)	(2,483)
23-Mar-2020	The Vanguard Group, Inc.	SELL	34.86	Ordinary	(2,423)	(2,423)
23-Mar-2020	The Vanguard Group, Inc.	SELL	35.95	Ordinary	(4,760)	(4,760)
23-Mar-2020	The Vanguard Group, Inc.	BUY	35.95	Ordinary	5,490	5,490
23-Mar-2020	The Vanguard Group, Inc.	SELL	34.86	Ordinary	(931)	(931)
23-Mar-2020	The Vanguard Group, Inc.	BUY	36.45	Ordinary	1,165	1,165
23-Mar-2020	The Vanguard Group, Inc.	BUY	36.45	Ordinary	477	477
23-Mar-2020	The Vanguard Group, Inc.	BUY	36.45	Ordinary	2,453	2,453
23-Mar-2020	The Vanguard Group, Inc.	BUY	36.45	Ordinary	394	394
24-Mar-2020	The Vanguard Group, Inc.	SELL	35.96	Ordinary	(7,620)	(7,620)
24-Mar-2020	The Vanguard Group, Inc.	BUY	35.80	Ordinary	64,062	64,062
24-Mar-2020	The Vanguard Group, Inc.	BUY	36.18	Ordinary	477	477
25-Mar-2020	The Vanguard Group, Inc.	BUY	36.10	Ordinary	76,656	76,656
25-Mar-2020	The Vanguard Group, Inc.	SELL	37.61	Ordinary	(3,572)	(3,572)
26-Mar-2020	The Vanguard Group, Inc.	SELL	37.39	Ordinary	(3,570)	(3,570)
26-Mar-2020	The Vanguard Group, Inc.	BUY	36.75	Ordinary	1,166	1,166
27-Mar-2020	The Vanguard Group, Inc.	BUY	34.80	Ordinary	5,443	5,443
27-Mar-2020	The Vanguard Group, Inc.	BUY	37.19	Ordinary	5,309	5,309
27-Mar-2020	The Vanguard Group, Inc.	BUY	34.80	Ordinary	954	954
27-Mar-2020	The Vanguard Group, Inc.	BUY	34.80	Ordinary	954	954
27-Mar-2020	The Vanguard Group, Inc.	BUY	34.80	Ordinary	400	400
27-Mar-2020	The Vanguard Group, Inc.	BUY	34.80	Ordinary	46,518	46,518
30-Mar-2020	The Vanguard Group, Inc.	BUY	34.37	Ordinary	7,275	7,275
30-Mar-2020	The Vanguard Group, Inc.	SELL	38.67	Ordinary	(5,495)	(5,495)
30-Mar-2020	The Vanguard Group, Inc.	BUY	38.14	Ordinary	5,394	5,394
30-Mar-2020	The Vanguard Group, Inc.	BUY	38.14	Ordinary	2,423	2,423
16-Oct-2018	Vanguard Investments Australia Ltd.	SELL	27.49	Ordinary	(4,129)	(4,129)
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.80	Ordinary	20,621	20,621
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.80	Ordinary	24,652	24,652
22-Oct-2018	Vanguard Investments Australia Ltd.	SELL	28.04	Ordinary	(4,780)	(4,780)
24-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.81	Ordinary	14,616	14,616
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	26,080	26,080
25-Oct-2018	Vanguard Investments Australia Ltd.	SELL	27.55	Ordinary	(8,989)	(8,989)
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	16,982	16,982
26-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.26	Ordinary	26,008	26,008
29-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.98	Ordinary	35,826	35,826
29-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.98	Ordinary	1,859	1,859
30-Oct-2018	Vanguard Investments Australia Ltd.	BUY	28.31	Ordinary	1,236	1,236
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	28.43	Ordinary	19,408	19,408
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	28.43	Ordinary	3,639	3,639
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.70	Ordinary	4,569	4,569
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.70	Ordinary	2,426	2,426
2-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.60	Ordinary	15,704	15,704
5-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.81	Ordinary	24,296	24,296
6-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.98	Ordinary	36,677	36,677
12-Nov-2018	Vanguard Investments Australia Ltd.	SELL	29.83	Ordinary	(18,619)	(18,619)
12-Nov-2018	Vanguard Investments Australia Ltd.	SELL	29.83	Ordinary	(1,180)	(1,180)
12-Nov-2018	Vanguard Investments Australia Ltd.	BUY	29.83	Ordinary	15,769	15,769
15-Nov-2018	Vanguard Investments Australia Ltd.	SELL	28.95	Ordinary	(7,546)	(7,546)
16-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.84	Ordinary	572	572
16-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.84	Ordinary	4,567	4,567
19-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.68	Ordinary	22,793	22,793
19-Nov-2018	Vanguard Investments Australia Ltd.	SELL	28.65	Ordinary	(50,387)	(50,387)
21-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.95	Ordinary	20,109	20,109
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.91	Ordinary	17,192	17,192
23-Nov-2018	Vanguard Investments Australia Ltd.	BUY	29.28	Ordinary	21,914	21,914
29-Nov-2018	Vanguard Investments Australia Ltd.	BUY	29.83	Ordinary	13,563	13,563
30-Nov-2018	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	1,971	1,971

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3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	29.07	Ordinary	4,346	4,346
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	29.07	Ordinary	19,662	19,662
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	29.07	Ordinary	4,319	4,319
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	29.15	Ordinary	16,029	16,029
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	29.15	Ordinary	29,843	29,843
4-Dec-2018	Vanguard Investments Australia Ltd.	SELL	29.17	Ordinary	(1,325)	(1,325)
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	221,604	221,604
7-Dec-2018	Vanguard Investments Australia Ltd.	BUY	29.26	Ordinary	21,314	21,314
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.40	Ordinary	24,480	24,480
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.40	Ordinary	14,688	14,688
12-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.47	Ordinary	936,998	936,998
14-Dec-2018	Vanguard Investments Australia Ltd.	SELL	28.31	Ordinary	(7,344)	(7,344)
17-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.41	Ordinary	1,040	1,040
17-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.41	Ordinary	4,783	4,783
17-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.41	Ordinary	1,033	1,033
20-Dec-2018	Vanguard Investments Australia Ltd.	SELL	28.72	Ordinary	(5,857)	(5,857)
20-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.72	Ordinary	529	529
21-Dec-2018	Vanguard Investments Australia Ltd.	SELL	28.63	Ordinary	(4,793)	(4,793)
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.65	Ordinary	59,716	59,716
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.65	Ordinary	4,706	4,706
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.65	Ordinary	5,718	5,718
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.65	Ordinary	8,696	8,696
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.65	Ordinary	39,474	39,474
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.65	Ordinary	27,986	27,986
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.65	Ordinary	54,703	54,703
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	28.65	Ordinary	116,644	116,644
27-Dec-2018	Vanguard Investments Australia Ltd.	BUY	29.30	Ordinary	7,374	7,374
31-Dec-2018	Vanguard Investments Australia Ltd.	BUY	29.40	Ordinary	17,120	17,120
31-Dec-2018	Vanguard Investments Australia Ltd.	SELL	29.42	Ordinary	(824)	(824)
2-Jan-2019	Vanguard Investments Australia Ltd.	SELL	29.15	Ordinary	(6,496)	(6,496)
3-Jan-2019	Vanguard Investments Australia Ltd.	BUY	29.37	Ordinary	8,754	8,754
4-Jan-2019	Vanguard Investments Australia Ltd.	BUY	29.11	Ordinary	2,682	2,682
8-Jan-2019	Vanguard Investments Australia Ltd.	BUY	29.68	Ordinary	12,250	12,250
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	29.64	Ordinary	14,724	14,724
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	29.63	Ordinary	21,431	21,431
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	29.98	Ordinary	2,208	2,208
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	29.98	Ordinary	2,037	2,037
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	29.98	Ordinary	17,210	17,210
21-Jan-2019	Vanguard Investments Australia Ltd.	SELL	29.90	Ordinary	(13,408)	(13,408)
22-Jan-2019	Vanguard Investments Australia Ltd.	SELL	29.89	Ordinary	(13,992)	(13,992)
29-Jan-2019	Vanguard Investments Australia Ltd.	SELL	30.03	Ordinary	(6,275)	(6,275)
29-Jan-2019	Vanguard Investments Australia Ltd.	BUY	30.01	Ordinary	24,778	24,778
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	29.61	Ordinary	4,908	4,908
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	29.56	Ordinary	25,063	25,063
1-Feb-2019	Vanguard Investments Australia Ltd.	SELL	29.46	Ordinary	(2,327)	(2,327)
1-Feb-2019	Vanguard Investments Australia Ltd.	BUY	29.44	Ordinary	41,431	41,431
4-Feb-2019	Vanguard Investments Australia Ltd.	BUY	29.64	Ordinary	17,965	17,965
5-Feb-2019	Vanguard Investments Australia Ltd.	SELL	29.77	Ordinary	(85,890)	(85,890)
13-Feb-2019	Vanguard Investments Australia Ltd.	BUY	30.13	Ordinary	52,564	52,564
15-Feb-2019	Vanguard Investments Australia Ltd.	SELL	30.03	Ordinary	(5,188)	(5,188)
15-Feb-2019	Vanguard Investments Australia Ltd.	SELL	30.03	Ordinary	(948)	(948)
19-Feb-2019	Vanguard Investments Australia Ltd.	BUY	30.25	Ordinary	13,497	13,497
20-Feb-2019	Vanguard Investments Australia Ltd.	SELL	28.69	Ordinary	(9,456)	(9,456)
25-Feb-2019	Vanguard Investments Australia Ltd.	BUY	28.79	Ordinary	40,051	40,051
26-Feb-2019	Vanguard Investments Australia Ltd.	SELL	28.58	Ordinary	(31,769)	(31,769)
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	28.60	Ordinary	12,270	12,270
28-Feb-2019	Vanguard Investments Australia Ltd.	BUY	28.70	Ordinary	1,009	1,009
5-Mar-2019	Vanguard Investments Australia Ltd.	BUY	29.75	Ordinary	78,528	78,528
6-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.05	Ordinary	453	453
11-Mar-2019	Vanguard Investments Australia Ltd.	SELL	29.95	Ordinary	(3,393)	(3,393)
12-Mar-2019	Vanguard Investments Australia Ltd.	SELL	30.07	Ordinary	(7,727)	(7,727)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.23	Ordinary	1,651	1,651
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.24	Ordinary	4,322	4,322
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.23	Ordinary	10,209	10,209
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.24	Ordinary	26,717	26,717
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.23	Ordinary	1,081	1,081
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.24	Ordinary	2,831	2,831

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.23	Ordinary	1,580	1,580
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.24	Ordinary	4,135	4,135
15-Mar-2019	Vanguard Investments Australia Ltd.	SELL	30.23	Ordinary	(8,121)	(8,121)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.23	Ordinary	4,851	4,851
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.24	Ordinary	12,698	12,698
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.23	Ordinary	9,176	9,176
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.24	Ordinary	24,015	24,015
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.23	Ordinary	7,832	7,832
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.24	Ordinary	20,499	20,499
19-Mar-2019	Vanguard Investments Australia Ltd.	SELL	30.36	Ordinary	(4,209)	(4,209)
21-Mar-2019	Vanguard Investments Australia Ltd.	SELL	30.48	Ordinary	(9,550)	(9,550)
21-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.48	Ordinary	9,303	9,303
22-Mar-2019	Vanguard Investments Australia Ltd.	BUY	30.51	Ordinary	18,856	18,856
29-Mar-2019	Vanguard Investments Australia Ltd.	SELL	30.40	Ordinary	(792)	(792)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	31.08	Ordinary	2,463	2,463
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	31.08	Ordinary	32,113	32,113
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	31.08	Ordinary	4,547	4,547
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	31.08	Ordinary	(78,476)	(78,476)
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	31.08	Ordinary	(1,534)	(1,534)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	31.08	Ordinary	32,177	32,177
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.79	Ordinary	2,262	2,262
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.79	Ordinary	4,312	4,312
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.79	Ordinary	14,120	14,120
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.79	Ordinary	31,164	31,164
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.85	Ordinary	8,561	8,561
3-Apr-2019	Vanguard Investments Australia Ltd.	SELL	30.81	Ordinary	(1,142)	(1,142)
5-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.48	Ordinary	10,337	10,337
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.45	Ordinary	9,784	9,784
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.45	Ordinary	269	269
9-Apr-2019	Vanguard Investments Australia Ltd.	SELL	30.17	Ordinary	(3,039)	(3,039)
9-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.17	Ordinary	389,877	389,877
9-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.19	Ordinary	91	91
11-Apr-2019	Vanguard Investments Australia Ltd.	BUY	30.44	Ordinary	14,747	14,747
12-Apr-2019	Vanguard Investments Australia Ltd.	SELL	31.00	Ordinary	(3,750)	(3,750)
12-Apr-2019	Vanguard Investments Australia Ltd.	SELL	31.00	Ordinary	(1,601)	(1,601)
16-Apr-2019	Vanguard Investments Australia Ltd.	SELL	31.12	Ordinary	(1,473)	(1,473)
16-Apr-2019	Vanguard Investments Australia Ltd.	SELL	31.12	Ordinary	(1,628)	(1,628)
16-Apr-2019	Vanguard Investments Australia Ltd.	BUY	31.31	Ordinary	76,338	76,338
17-Apr-2019	Vanguard Investments Australia Ltd.	BUY	31.06	Ordinary	1,598	1,598
18-Apr-2019	Vanguard Investments Australia Ltd.	SELL	31.22	Ordinary	(1,999)	(1,999)
26-Apr-2019	Vanguard Investments Australia Ltd.	SELL	31.86	Ordinary	(5,365)	(5,365)
30-Apr-2019	Vanguard Investments Australia Ltd.	SELL	31.85	Ordinary	(19,435)	(19,435)
30-Apr-2019	Vanguard Investments Australia Ltd.	BUY	31.85	Ordinary	14,736	14,736
1-May-2019	Vanguard Investments Australia Ltd.	BUY	31.90	Ordinary	4,330	4,330
1-May-2019	Vanguard Investments Australia Ltd.	BUY	31.88	Ordinary	26,016	26,016
1-May-2019	Vanguard Investments Australia Ltd.	BUY	31.88	Ordinary	33,463	33,463
1-May-2019	Vanguard Investments Australia Ltd.	BUY	31.90	Ordinary	5,549	5,549
1-May-2019	Vanguard Investments Australia Ltd.	BUY	31.90	Ordinary	10,971	10,971
1-May-2019	Vanguard Investments Australia Ltd.	BUY	31.88	Ordinary	66,103	66,103
2-May-2019	Vanguard Investments Australia Ltd.	SELL	32.25	Ordinary	(1,096)	(1,096)
2-May-2019	Vanguard Investments Australia Ltd.	SELL	32.25	Ordinary	(1,096)	(1,096)
3-May-2019	Vanguard Investments Australia Ltd.	SELL	32.81	Ordinary	(3,545)	(3,545)
3-May-2019	Vanguard Investments Australia Ltd.	SELL	32.86	Ordinary	(877)	(877)
6-May-2019	Vanguard Investments Australia Ltd.	BUY	32.62	Ordinary	23,641	23,641
7-May-2019	Vanguard Investments Australia Ltd.	SELL	32.35	Ordinary	(3,421)	(3,421)
10-May-2019	Vanguard Investments Australia Ltd.	BUY	32.88	Ordinary	2,112	2,112
10-May-2019	Vanguard Investments Australia Ltd.	BUY	32.88	Ordinary	3,651	3,651
10-May-2019	Vanguard Investments Australia Ltd.	BUY	32.88	Ordinary	3,003	3,003
10-May-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	11,097	11,097
14-May-2019	Vanguard Investments Australia Ltd.	SELL	32.98	Ordinary	(6,095)	(6,095)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	33.01	Ordinary	(87)	(87)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	33.01	Ordinary	(188)	(188)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	32.98	Ordinary	(13,338)	(13,338)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	32.98	Ordinary	(5,331)	(5,331)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	33.01	Ordinary	(76)	(76)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	33.19	Ordinary	(508)	(508)
15-May-2019	Vanguard Investments Australia Ltd.	SELL	33.24	Ordinary	(4,508)	(4,508)

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16-May-2019	Vanguard Investments Australia Ltd.	BUY	33.34	Ordinary	27,267	27,267
17-May-2019	Vanguard Investments Australia Ltd.	BUY	34.09	Ordinary	860	860
17-May-2019	Vanguard Investments Australia Ltd.	BUY	34.18	Ordinary	12,380	12,380
21-May-2019	Vanguard Investments Australia Ltd.	BUY	33.75	Ordinary	12,380	12,380
22-May-2019	Vanguard Investments Australia Ltd.	BUY	33.96	Ordinary	12,294	12,294
23-May-2019	Vanguard Investments Australia Ltd.	SELL	33.61	Ordinary	(1,137)	(1,137)
27-May-2019	Vanguard Investments Australia Ltd.	BUY	33.77	Ordinary	685,213	685,213
27-May-2019	Vanguard Investments Australia Ltd.	SELL	28.94	Ordinary	(749,820)	(749,820)
27-May-2019	Vanguard Investments Australia Ltd.	BUY	33.77	Ordinary	79,983	79,983
27-May-2019	Vanguard Investments Australia Ltd.	SELL	28.94	Ordinary	(87,525)	(87,525)
27-May-2019	Vanguard Investments Australia Ltd.	SELL	32.30	Ordinary	(29,176)	(29,176)
27-May-2019	Vanguard Investments Australia Ltd.	BUY	33.77	Ordinary	324,850	324,850
27-May-2019	Vanguard Investments Australia Ltd.	SELL	28.94	Ordinary	(355,480)	(355,480)
27-May-2019	Vanguard Investments Australia Ltd.	BUY	33.77	Ordinary	666,048	666,048
27-May-2019	Vanguard Investments Australia Ltd.	SELL	28.94	Ordinary	(728,848)	(728,848)
28-May-2019	Vanguard Investments Australia Ltd.	SELL	32.08	Ordinary	(3,821)	(3,821)
28-May-2019	Vanguard Investments Australia Ltd.	BUY	32.14	Ordinary	63,274	63,274
28-May-2019	Vanguard Investments Australia Ltd.	BUY	32.14	Ordinary	7,830	7,830
28-May-2019	Vanguard Investments Australia Ltd.	BUY	32.14	Ordinary	30,506	30,506
28-May-2019	Vanguard Investments Australia Ltd.	BUY	32.14	Ordinary	61,787	61,787
28-May-2019	Vanguard Investments Australia Ltd.	SELL	32.08	Ordinary	(792)	(792)
28-May-2019	Vanguard Investments Australia Ltd.	BUY	32.09	Ordinary	11,950	11,950
29-May-2019	Vanguard Investments Australia Ltd.	SELL	31.69	Ordinary	(18,463)	(18,463)
29-May-2019	Vanguard Investments Australia Ltd.	SELL	31.72	Ordinary	(6,176)	(6,176)
30-May-2019	Vanguard Investments Australia Ltd.	SELL	31.49	Ordinary	(11,268)	(11,268)
30-May-2019	Vanguard Investments Australia Ltd.	BUY	31.49	Ordinary	77,164	77,164
30-May-2019	Vanguard Investments Australia Ltd.	SELL	31.49	Ordinary	(3,777)	(3,777)
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	31.18	Ordinary	(24,141)	(24,141)
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	31.18	Ordinary	(12,721)	(12,721)
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	31.48	Ordinary	11,950	11,950
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	31.33	Ordinary	2,954	2,954
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	31.33	Ordinary	14,400	14,400
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	31.51	Ordinary	3,632	3,632
7-Jun-2019	Vanguard Investments Australia Ltd.	SELL	31.51	Ordinary	(1,464)	(1,464)
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	31.51	Ordinary	1,509	1,509
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	31.39	Ordinary	64,128	64,128
11-Jun-2019	Vanguard Investments Australia Ltd.	SELL	32.05	Ordinary	(6,983)	(6,983)
12-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.20	Ordinary	42,027	42,027
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.30	Ordinary	9,560	9,560
20-Jun-2019	Vanguard Investments Australia Ltd.	SELL	33.08	Ordinary	(7,371)	(7,371)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	3,700	3,700
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	6,496	6,496
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	4,133	4,133
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	7,256	7,256
21-Jun-2019	Vanguard Investments Australia Ltd.	SELL	32.99	Ordinary	(1,951)	(1,951)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	3,631	3,631
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	2,068	2,068
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	7,341	7,341
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	12,890	12,890
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	7,170	7,170
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	25,264	25,264
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	32.99	Ordinary	44,361	44,361
25-Jun-2019	Vanguard Investments Australia Ltd.	SELL	33.25	Ordinary	(29,221)	(29,221)
27-Jun-2019	Vanguard Investments Australia Ltd.	SELL	33.39	Ordinary	(11,021)	(11,021)
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	33.39	Ordinary	8,400	8,400
28-Jun-2019	Vanguard Investments Australia Ltd.	SELL	33.23	Ordinary	(829)	(829)
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	32.93	Ordinary	14,268	14,268
5-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.31	Ordinary	9,292	9,292
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	33.92	Ordinary	7,134	7,134
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.14	Ordinary	7,134	7,134
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.14	Ordinary	10,940	10,940
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.46	Ordinary	2,243	2,243
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.38	Ordinary	7,146	7,146
12-Jul-2019	Vanguard Investments Australia Ltd.	SELL	34.20	Ordinary	(1,728)	(1,728)
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.18	Ordinary	3,890	3,890
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.18	Ordinary	24,236	24,236
16-Jul-2019	Vanguard Investments Australia Ltd.	SELL	34.03	Ordinary	(10,237)	(10,237)

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16-Jul-2019	Vanguard Investments Australia Ltd.	SELL	34.03	Ordinary	(106,360)	(106,360)
16-Jul-2019	Vanguard Investments Australia Ltd.	SELL	34.03	Ordinary	(9,443)	(9,443)
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.05	Ordinary	17,937	17,937
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.05	Ordinary	2,922	2,922
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.05	Ordinary	7,099	7,099
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.06	Ordinary	14,292	14,292
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.06	Ordinary	18,784	18,784
18-Jul-2019	Vanguard Investments Australia Ltd.	SELL	34.08	Ordinary	(5,500)	(5,500)
19-Jul-2019	Vanguard Investments Australia Ltd.	SELL	34.33	Ordinary	(5,539)	(5,539)
19-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.33	Ordinary	12,073	12,073
22-Jul-2019	Vanguard Investments Australia Ltd.	SELL	34.50	Ordinary	(810,069)	(810,069)
23-Jul-2019	Vanguard Investments Australia Ltd.	SELL	34.65	Ordinary	(3,351)	(3,351)
24-Jul-2019	Vanguard Investments Australia Ltd.	BUY	34.93	Ordinary	7,335	7,335
26-Jul-2019	Vanguard Investments Australia Ltd.	SELL	35.25	Ordinary	(3,387)	(3,387)
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	35.48	Ordinary	13,112	13,112
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	35.62	Ordinary	25,829	25,829
1-Aug-2019	Vanguard Investments Australia Ltd.	SELL	35.58	Ordinary	(7,936)	(7,936)
2-Aug-2019	Vanguard Investments Australia Ltd.	SELL	35.77	Ordinary	(8,527)	(8,527)
6-Aug-2019	Vanguard Investments Australia Ltd.	SELL	34.71	Ordinary	(5,814)	(5,814)
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	34.71	Ordinary	10,746	10,746
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	34.71	Ordinary	10,746	10,746
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	34.71	Ordinary	15,895	15,895
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.50	Ordinary	14,407	14,407
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.50	Ordinary	13,156	13,156
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.50	Ordinary	23,172	23,172
9-Aug-2019	Vanguard Investments Australia Ltd.	SELL	35.40	Ordinary	(24,860)	(24,860)
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.40	Ordinary	520	520
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.40	Ordinary	10,500	10,500
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.64	Ordinary	13,134	13,134
13-Aug-2019	Vanguard Investments Australia Ltd.	SELL	35.88	Ordinary	(3,179)	(3,179)
13-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.88	Ordinary	4,585	4,585
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.74	Ordinary	2,998	2,998
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.74	Ordinary	22,490	22,490
16-Aug-2019	Vanguard Investments Australia Ltd.	BUY	34.99	Ordinary	19,052	19,052
19-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.35	Ordinary	23,987	23,987
20-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.74	Ordinary	43,402	43,402
20-Aug-2019	Vanguard Investments Australia Ltd.	BUY	36.12	Ordinary	6,452	6,452
20-Aug-2019	Vanguard Investments Australia Ltd.	SELL	36.12	Ordinary	(4,437)	(4,437)
20-Aug-2019	Vanguard Investments Australia Ltd.	BUY	36.12	Ordinary	8,945	8,945
22-Aug-2019	Vanguard Investments Australia Ltd.	BUY	36.01	Ordinary	22,638	22,638
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.97	Ordinary	4,366	4,366
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.97	Ordinary	516,995	516,995
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.97	Ordinary	946	946
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	35.97	Ordinary	14,108	14,108
30-Aug-2019	Vanguard Investments Australia Ltd.	BUY	37.77	Ordinary	29,616	29,616
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.24	Ordinary	26,598	26,598
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	36.71	Ordinary	732	732
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	36.71	Ordinary	130,752	130,752
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	36.71	Ordinary	381	381
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	36.68	Ordinary	17,699	17,699
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.55	Ordinary	379	379
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.55	Ordinary	26,801	26,801
6-Sep-2019	Vanguard Investments Australia Ltd.	SELL	38.06	Ordinary	(2,723)	(2,723)
9-Sep-2019	Vanguard Investments Australia Ltd.	SELL	37.95	Ordinary	(21,466)	(21,466)
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.68	Ordinary	9,113	9,113
12-Sep-2019	Vanguard Investments Australia Ltd.	BUY	36.70	Ordinary	9,279	9,279
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	36.43	Ordinary	4,284	4,284
13-Sep-2019	Vanguard Investments Australia Ltd.	SELL	36.43	Ordinary	(6,373)	(6,373)
13-Sep-2019	Vanguard Investments Australia Ltd.	SELL	36.43	Ordinary	(1,621)	(1,621)
17-Sep-2019	Vanguard Investments Australia Ltd.	SELL	36.91	Ordinary	(2,309)	(2,309)
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	36.91	Ordinary	5,115	5,115
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	36.91	Ordinary	23,161	23,161
18-Sep-2019	Vanguard Investments Australia Ltd.	SELL	36.83	Ordinary	(6,587)	(6,587)
20-Sep-2019	Vanguard Investments Australia Ltd.	SELL	37.43	Ordinary	(2,282)	(2,282)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.43	Ordinary	8,808	8,808
20-Sep-2019	Vanguard Investments Australia Ltd.	SELL	37.43	Ordinary	(2,627)	(2,627)
20-Sep-2019	Vanguard Investments Australia Ltd.	SELL	37.43	Ordinary	(1,808)	(1,808)

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20-Sep-2019	Vanguard Investments Australia Ltd.	SELL	37.43	Ordinary	(10,933)	(10,933)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.43	Ordinary	8,106	8,106
20-Sep-2019	Vanguard Investments Australia Ltd.	SELL	37.43	Ordinary	(10,284)	(10,284)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.43	Ordinary	12,200	12,200
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.57	Ordinary	18,150	18,150
24-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.70	Ordinary	2,748	2,748
24-Sep-2019	Vanguard Investments Australia Ltd.	SELL	37.79	Ordinary	(1,419)	(1,419)
24-Sep-2019	Vanguard Investments Australia Ltd.	SELL	37.79	Ordinary	(2,831)	(2,831)
25-Sep-2019	Vanguard Investments Australia Ltd.	SELL	37.55	Ordinary	(5,592)	(5,592)
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.55	Ordinary	16,954	16,954
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	37.54	Ordinary	14,520	14,520
30-Sep-2019	Vanguard Investments Australia Ltd.	SELL	37.28	Ordinary	(1,163)	(1,163)
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.14	Ordinary	4,062	4,062
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.14	Ordinary	33,138	33,138
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.14	Ordinary	6,547	6,547
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.14	Ordinary	19,208	19,208
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.09	Ordinary	22,686	22,686
2-Oct-2019	Vanguard Investments Australia Ltd.	SELL	37.09	Ordinary	(28,656)	(28,656)
3-Oct-2019	Vanguard Investments Australia Ltd.	BUY	36.40	Ordinary	19,123	19,123
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	36.32	Ordinary	6,922	6,922
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	36.32	Ordinary	1,122	1,122
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	36.32	Ordinary	16,723	16,723
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	36.32	Ordinary	20,281	20,281
7-Oct-2019	Vanguard Investments Australia Ltd.	BUY	36.80	Ordinary	10,207	10,207
10-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.02	Ordinary	9,498	9,498
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.11	Ordinary	5,948	5,948
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.11	Ordinary	9,528	9,528
14-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.27	Ordinary	166,099	166,099
14-Oct-2019	Vanguard Investments Australia Ltd.	SELL	37.27	Ordinary	(6,101)	(6,101)
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	38.31	Ordinary	196,835	196,835
17-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.93	Ordinary	601	601
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.49	Ordinary	11,930	11,930
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.45	Ordinary	55,379	55,379
21-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.41	Ordinary	16,359	16,359
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.45	Ordinary	11,930	11,930
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.45	Ordinary	7,502	7,502
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.33	Ordinary	13,374	13,374
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.33	Ordinary	6,294	6,294
24-Oct-2019	Vanguard Investments Australia Ltd.	SELL	37.55	Ordinary	(2,516)	(2,516)
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.80	Ordinary	11,920	11,920
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.20	Ordinary	39,806	39,806
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.15	Ordinary	29,002	29,002
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.32	Ordinary	19,383	19,383
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	37.32	Ordinary	(2,419)	(2,419)
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.32	Ordinary	28,608	28,608
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.31	Ordinary	40,046	40,046
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	37.32	Ordinary	(14,304)	(14,304)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	37.66	Ordinary	(27,949)	(27,949)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	37.68	Ordinary	(161,159)	(161,159)
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	37.66	Ordinary	18,874	18,874
4-Nov-2019	Vanguard Investments Australia Ltd.	SELL	37.67	Ordinary	(206,740)	(206,740)
4-Nov-2019	Vanguard Investments Australia Ltd.	BUY	37.71	Ordinary	27,035	27,035
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	37.69	Ordinary	(9,492)	(9,492)
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	37.69	Ordinary	(52,605)	(52,605)
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	37.69	Ordinary	14,292	14,292
7-Nov-2019	Vanguard Investments Australia Ltd.	SELL	38.19	Ordinary	(28,452)	(28,452)
7-Nov-2019	Vanguard Investments Australia Ltd.	BUY	38.19	Ordinary	11,053	11,053
11-Nov-2019	Vanguard Investments Australia Ltd.	SELL	37.99	Ordinary	(4,357)	(4,357)
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	37.99	Ordinary	32,243	32,243
12-Nov-2019	Vanguard Investments Australia Ltd.	SELL	38.05	Ordinary	(5,915)	(5,915)
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	38.05	Ordinary	13,134	13,134
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	37.80	Ordinary	3,591	3,591
14-Nov-2019	Vanguard Investments Australia Ltd.	BUY	38.72	Ordinary	22,756	22,756
14-Nov-2019	Vanguard Investments Australia Ltd.	BUY	38.72	Ordinary	2,996	2,996
19-Nov-2019	Vanguard Investments Australia Ltd.	SELL	39.37	Ordinary	(1,761)	(1,761)
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	39.37	Ordinary	15,574	15,574
20-Nov-2019	Vanguard Investments Australia Ltd.	SELL	38.79	Ordinary	(99,674)	(99,674)

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	38.79	Ordinary	8,379	8,379
21-Nov-2019	Vanguard Investments Australia Ltd.	SELL	38.54	Ordinary	(3,675)	(3,675)
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	38.54	Ordinary	25,137	25,137
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	39.08	Ordinary	4,494	4,494
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	39.08	Ordinary	32,326	32,326
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	39.02	Ordinary	25,054	25,054
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	39.18	Ordinary	(10,869)	(10,869)
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	39.18	Ordinary	(395)	(395)
27-Nov-2019	Vanguard Investments Australia Ltd.	BUY	39.68	Ordinary	24,201	24,201
28-Nov-2019	Vanguard Investments Australia Ltd.	SELL	39.65	Ordinary	(550)	(550)
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	39.76	Ordinary	6,720	6,720
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	39.76	Ordinary	14,388	14,388
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	39.77	Ordinary	64,302	64,302
3-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.43	Ordinary	18,572	18,572
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.72	Ordinary	26,422	26,422
5-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.02	Ordinary	19,981	19,981
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.36	Ordinary	4,059	4,059
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.28	Ordinary	4,479	4,479
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.28	Ordinary	14,400	14,400
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.43	Ordinary	23,138	23,138
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.43	Ordinary	28,113	28,113
12-Dec-2019	Vanguard Investments Australia Ltd.	SELL	37.97	Ordinary	(454)	(454)
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.42	Ordinary	11,990	11,990
17-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.82	Ordinary	19,261	19,261
18-Dec-2019	Vanguard Investments Australia Ltd.	SELL	37.88	Ordinary	(7,465)	(7,465)
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.88	Ordinary	16,786	16,786
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.89	Ordinary	19,897	19,897
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.81	Ordinary	13,019	13,019
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.24	Ordinary	2,658	2,658
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.24	Ordinary	1,437	1,437
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.24	Ordinary	4,632	4,632
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.44	Ordinary	9,600	9,600
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.38	Ordinary	37,974	37,974
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	36.16	Ordinary	32,647	32,647
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	36.16	Ordinary	5,995	5,995
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	36.28	Ordinary	14,268	14,268
3-Jan-2020	Vanguard Investments Australia Ltd.	BUY	36.35	Ordinary	1,602	1,602
3-Jan-2020	Vanguard Investments Australia Ltd.	SELL	36.35	Ordinary	(88,478)	(88,478)
6-Jan-2020	Vanguard Investments Australia Ltd.	BUY	36.14	Ordinary	4,509	4,509
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	36.94	Ordinary	7,122	7,122
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	36.97	Ordinary	23,712	23,712
8-Jan-2020	Vanguard Investments Australia Ltd.	BUY	37.25	Ordinary	17,805	17,805
9-Jan-2020	Vanguard Investments Australia Ltd.	SELL	37.22	Ordinary	(9,504)	(9,504)
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	37.43	Ordinary	17,835	17,835
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	38.27	Ordinary	17,360	17,360
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	38.38	Ordinary	5,932	5,932
14-Jan-2020	Vanguard Investments Australia Ltd.	SELL	38.38	Ordinary	(5,932)	(5,932)
15-Jan-2020	Vanguard Investments Australia Ltd.	BUY	38.25	Ordinary	32,447	32,447
16-Jan-2020	Vanguard Investments Australia Ltd.	BUY	38.68	Ordinary	4,651	4,651
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	39.77	Ordinary	1,195	1,195
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	39.77	Ordinary	40,760	40,760
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	39.77	Ordinary	1,188	1,188
21-Jan-2020	Vanguard Investments Australia Ltd.	SELL	40.01	Ordinary	(13,771)	(13,771)
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	40.01	Ordinary	17,850	17,850
24-Jan-2020	Vanguard Investments Australia Ltd.	SELL	40.84	Ordinary	(5,167)	(5,167)
30-Jan-2020	Vanguard Investments Australia Ltd.	BUY	41.44	Ordinary	17,910	17,910
31-Jan-2020	Vanguard Investments Australia Ltd.	BUY	41.86	Ordinary	19,366	19,366
3-Feb-2020	Vanguard Investments Australia Ltd.	SELL	41.82	Ordinary	(4,417)	(4,417)
3-Feb-2020	Vanguard Investments Australia Ltd.	SELL	41.90	Ordinary	(9,105)	(9,105)
5-Feb-2020	Vanguard Investments Australia Ltd.	BUY	42.22	Ordinary	1,482	1,482
7-Feb-2020	Vanguard Investments Australia Ltd.	BUY	42.72	Ordinary	11,950	11,950
10-Feb-2020	Vanguard Investments Australia Ltd.	BUY	43.11	Ordinary	17,701	17,701
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	43.20	Ordinary	23,940	23,940
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	43.17	Ordinary	42,252	42,252
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	43.27	Ordinary	(21,110)	(21,110)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	43.20	Ordinary	(153)	(153)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	43.27	Ordinary	(4,449)	(4,449)

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
18-Feb-2020	Vanguard Investments Australia Ltd.	BUY	43.52	Ordinary	1,483	1,483
19-Feb-2020	Vanguard Investments Australia Ltd.	BUY	43.53	Ordinary	2,547	2,547
19-Feb-2020	Vanguard Investments Australia Ltd.	BUY	43.53	Ordinary	287	287
26-Feb-2020	Vanguard Investments Australia Ltd.	SELL	40.85	Ordinary	(7,039)	(7,039)
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	40.73	Ordinary	19,248	19,248
27-Feb-2020	Vanguard Investments Australia Ltd.	BUY	40.22	Ordinary	94,954	94,954
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	38.80	Ordinary	(9,013)	(9,013)
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	38.80	Ordinary	(13,512)	(13,512)
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	38.81	Ordinary	(189)	(189)
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	38.80	Ordinary	18,030	18,030
2-Mar-2020	Vanguard Investments Australia Ltd.	SELL	38.63	Ordinary	(13,359)	(13,359)
2-Mar-2020	Vanguard Investments Australia Ltd.	BUY	38.63	Ordinary	241	241
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	38.00	Ordinary	32,481	32,481
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.04	Ordinary	13,368	13,368
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.04	Ordinary	20,468	20,468
4-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.10	Ordinary	(360)	(360)
5-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.73	Ordinary	(5,351)	(5,351)
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.73	Ordinary	2,592	2,592
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.73	Ordinary	768	768
6-Mar-2020	Vanguard Investments Australia Ltd.	SELL	38.00	Ordinary	(11,754)	(11,754)
9-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.47	Ordinary	(2,443)	(2,443)
9-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.47	Ordinary	(102)	(102)
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.47	Ordinary	42,315	42,315
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.47	Ordinary	51,900	51,900
10-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.34	Ordinary	(2,198)	(2,198)
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.34	Ordinary	18,184	18,184
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.34	Ordinary	64,776	64,776
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	36.05	Ordinary	5,665	5,665
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	36.05	Ordinary	30,275	30,275
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	36.05	Ordinary	24,220	24,220
12-Mar-2020	Vanguard Investments Australia Ltd.	SELL	34.71	Ordinary	(4,003)	(4,003)
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	34.71	Ordinary	1,500	1,500
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	34.71	Ordinary	36,270	36,270
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	34.71	Ordinary	20,553	20,553
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	34.71	Ordinary	131,305	131,305
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.05	Ordinary	(1,266)	(1,266)
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.05	Ordinary	(15,599)	(15,599)
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.05	Ordinary	(1,152)	(1,152)
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.05	Ordinary	(393)	(393)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.05	Ordinary	45,761	45,761
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.05	Ordinary	36,300	36,300
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.05	Ordinary	79,654	79,654
16-Mar-2020	Vanguard Investments Australia Ltd.	SELL	36.32	Ordinary	(5,335)	(5,335)
16-Mar-2020	Vanguard Investments Australia Ltd.	BUY	36.32	Ordinary	42,350	42,350
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	39.85	Ordinary	(19,153)	(19,153)
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	36.61	Ordinary	(10,816)	(10,816)
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	36.61	Ordinary	(43,762)	(43,762)
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	36.61	Ordinary	(11,051)	(11,051)
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.13	Ordinary	4,236	4,236
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	39.85	Ordinary	1,500	1,500
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	39.85	Ordinary	30,100	30,100
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	35.52	Ordinary	(1,349)	(1,349)
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	39.60	Ordinary	(22,081)	(22,081)
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	39.60	Ordinary	(5,945)	(5,945)
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	39.60	Ordinary	36,150	36,150
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	39.60	Ordinary	52,923	52,923
19-Mar-2020	Vanguard Investments Australia Ltd.	SELL	39.90	Ordinary	(2,940)	(2,940)
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	39.54	Ordinary	714	714
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	39.90	Ordinary	27,715	27,715
19-Mar-2020	Vanguard Investments Australia Ltd.	SELL	39.99	Ordinary	(453)	(453)
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.47	Ordinary	(2,580)	(2,580)
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.47	Ordinary	(3,214)	(3,214)
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	37.47	Ordinary	37,417	37,417
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	37.30	Ordinary	(777)	(777)
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	40.00	Ordinary	(815)	(815)
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	36.45	Ordinary	16,912	16,912
24-Mar-2020	Vanguard Investments Australia Ltd.	BUY	36.18	Ordinary	2,480	2,480

Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
24-Mar-2020	Vanguard Investments Australia Ltd.	BUY	36.18	Ordinary	117	117
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	36.73	Ordinary	129	129
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	36.73	Ordinary	18,120	18,120
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	5,383	5,383
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	35,191	35,191
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	3,066	3,066
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	4,450	4,450
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	4,148	4,148
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	6,018	6,018
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	42,621	42,621
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	14,637	14,637
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	39,838	39,838
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.61	Ordinary	1	1
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	34.80	Ordinary	30,200	30,200
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.22	Ordinary	67,231	67,231
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.61	Ordinary	1	1
27-Mar-2020	Vanguard Investments Australia Ltd.	SELL	34.80	Ordinary	(32,616)	(32,616)
30-Mar-2020	Vanguard Investments Australia Ltd.	BUY	38.11	Ordinary	183,636	183,636

This is Annexure A of 24 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 01-April-2020