

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme Orica Limited
ACN/ARSN 004 145 868

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 13 March 2020

The previous notice was given to the company on 22 August 2018

The previous notice was dated 22 August 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	19,006,916	5.012%	24,400,327	6.031%

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 – 1,039,354	1,039,354
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 – 1,116,044	1,116,044
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 – 11,384	11,384
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 – 11,267,021	11,267,021
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 – 4,576,507	4,576,507
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 – 6,390,017	6,390,017

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 18 March 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 Orica Limited
ACN/ARSN 004 145 868

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
21-Aug-18	The Vanguard Group, Inc.	BUY	17.18	Ordinary	287	287
28-Aug-18	The Vanguard Group, Inc.	BUY	17.54	Ordinary	404	404
31-Aug-18	The Vanguard Group, Inc.	BUY	17.62	Ordinary	6,341	6,341
5-Sep-18	The Vanguard Group, Inc.	SELL	16.65	Ordinary	(402)	(402)
7-Sep-18	The Vanguard Group, Inc.	BUY	16.65	Ordinary	5,234	5,234
7-Sep-18	The Vanguard Group, Inc.	BUY	16.65	Ordinary	2,184	2,184
7-Sep-18	The Vanguard Group, Inc.	SELL	16.66	Ordinary	(7,368)	(7,368)
10-Sep-18	The Vanguard Group, Inc.	BUY	16.59	Ordinary	860	860
12-Sep-18	The Vanguard Group, Inc.	BUY	16.50	Ordinary	3,276	3,276
12-Sep-18	The Vanguard Group, Inc.	SELL	16.52	Ordinary	(26,130)	(26,130)
14-Sep-18	The Vanguard Group, Inc.	BUY	16.51	Ordinary	3,119	3,119
17-Sep-18	The Vanguard Group, Inc.	BUY	16.52	Ordinary	3,115	3,115
18-Sep-18	The Vanguard Group, Inc.	BUY	16.41	Ordinary	419	419
20-Sep-18	The Vanguard Group, Inc.	BUY	16.82	Ordinary	7,360	7,360
21-Sep-18	The Vanguard Group, Inc.	SELL	17.08	Ordinary	(8,304)	(8,304)
21-Sep-18	The Vanguard Group, Inc.	BUY	17.03	Ordinary	6,404	6,404
26-Sep-18	The Vanguard Group, Inc.	BUY	17.15	Ordinary	2,212	2,212
26-Sep-18	The Vanguard Group, Inc.	BUY	17.15	Ordinary	4,424	4,424
26-Sep-18	The Vanguard Group, Inc.	BUY	17.15	Ordinary	5,530	5,530
26-Sep-18	The Vanguard Group, Inc.	BUY	17.16	Ordinary	15,309	15,309
27-Sep-18	The Vanguard Group, Inc.	BUY	17.23	Ordinary	9,691	9,691
28-Sep-18	The Vanguard Group, Inc.	BUY	17.03	Ordinary	487	487
1-Oct-18	The Vanguard Group, Inc.	BUY	16.94	Ordinary	3,318	3,318
2-Oct-18	The Vanguard Group, Inc.	BUY	17.03	Ordinary	8,848	8,848
2-Oct-18	The Vanguard Group, Inc.	SELL	17.07	Ordinary	(323)	(323)
3-Oct-18	The Vanguard Group, Inc.	BUY	17.16	Ordinary	3,318	3,318
3-Oct-18	The Vanguard Group, Inc.	BUY	17.16	Ordinary	3,132	3,132
9-Oct-18	The Vanguard Group, Inc.	BUY	16.94	Ordinary	8,874	8,874
11-Oct-18	The Vanguard Group, Inc.	BUY	16.21	Ordinary	1,110	1,110
12-Oct-18	The Vanguard Group, Inc.	BUY	16.39	Ordinary	53,418	53,418
15-Oct-18	The Vanguard Group, Inc.	BUY	16.36	Ordinary	1,850	1,850
18-Oct-18	The Vanguard Group, Inc.	SELL	16.69	Ordinary	(181)	(181)
19-Oct-18	The Vanguard Group, Inc.	BUY	16.83	Ordinary	1,110	1,110
19-Oct-18	The Vanguard Group, Inc.	BUY	16.83	Ordinary	3,318	3,318
23-Oct-18	The Vanguard Group, Inc.	BUY	16.76	Ordinary	2,362	2,362
24-Oct-18	The Vanguard Group, Inc.	BUY	16.84	Ordinary	1,106	1,106
25-Oct-18	The Vanguard Group, Inc.	BUY	16.52	Ordinary	42,268	42,268
25-Oct-18	The Vanguard Group, Inc.	BUY	16.56	Ordinary	2,765	2,765
26-Oct-18	The Vanguard Group, Inc.	BUY	16.41	Ordinary	717	717
26-Oct-18	The Vanguard Group, Inc.	BUY	16.44	Ordinary	746	746
30-Oct-18	The Vanguard Group, Inc.	BUY	17.00	Ordinary	6,999	6,999
31-Oct-18	The Vanguard Group, Inc.	BUY	17.23	Ordinary	42,248	42,248
31-Oct-18	The Vanguard Group, Inc.	BUY	17.21	Ordinary	3,871	3,871
1-Nov-18	The Vanguard Group, Inc.	BUY	16.68	Ordinary	5,530	5,530
1-Nov-18	The Vanguard Group, Inc.	SELL	16.65	Ordinary	(24,777)	(24,777)
2-Nov-18	The Vanguard Group, Inc.	SELL	17.72	Ordinary	(8,503)	(8,503)
5-Nov-18	The Vanguard Group, Inc.	SELL	17.82	Ordinary	(2,843)	(2,843)
7-Nov-18	The Vanguard Group, Inc.	BUY	18.23	Ordinary	4,424	4,424
7-Nov-18	The Vanguard Group, Inc.	BUY	18.08	Ordinary	4,509	4,509
7-Nov-18	The Vanguard Group, Inc.	BUY	18.08	Ordinary	1,630	1,630
9-Nov-18	The Vanguard Group, Inc.	SELL	18.47	Ordinary	(754)	(754)
12-Nov-18	The Vanguard Group, Inc.	BUY	18.24	Ordinary	3,318	3,318
13-Nov-18	The Vanguard Group, Inc.	BUY	18.15	Ordinary	753	753
13-Nov-18	The Vanguard Group, Inc.	BUY	17.87	Ordinary	1,867	1,867
14-Nov-18	The Vanguard Group, Inc.	BUY	17.36	Ordinary	4,424	4,424
14-Nov-18	The Vanguard Group, Inc.	BUY	17.36	Ordinary	3,318	3,318
15-Nov-18	The Vanguard Group, Inc.	BUY	17.41	Ordinary	39,775	39,775

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
21-Nov-18	The Vanguard Group, Inc.	BUY	17.28	Ordinary	4,424	4,424
27-Nov-18	The Vanguard Group, Inc.	BUY	17.70	Ordinary	4,035	4,035
28-Nov-18	The Vanguard Group, Inc.	BUY	17.86	Ordinary	1,356	1,356
28-Nov-18	The Vanguard Group, Inc.	BUY	17.86	Ordinary	226	226
28-Nov-18	The Vanguard Group, Inc.	BUY	17.86	Ordinary	2,765	2,765
28-Nov-18	The Vanguard Group, Inc.	BUY	17.86	Ordinary	3,654	3,654
30-Nov-18	The Vanguard Group, Inc.	BUY	17.56	Ordinary	340	340
30-Nov-18	The Vanguard Group, Inc.	SELL	17.51	Ordinary	(8,873)	(8,873)
3-Dec-18	The Vanguard Group, Inc.	BUY	17.94	Ordinary	680	680
4-Dec-18	The Vanguard Group, Inc.	BUY	17.60	Ordinary	4,424	4,424
4-Dec-18	The Vanguard Group, Inc.	BUY	17.80	Ordinary	3,832	3,832
5-Dec-18	The Vanguard Group, Inc.	BUY	17.43	Ordinary	33,816	33,816
5-Dec-18	The Vanguard Group, Inc.	BUY	17.42	Ordinary	63,679	63,679
5-Dec-18	The Vanguard Group, Inc.	BUY	17.42	Ordinary	220,695	220,695
5-Dec-18	The Vanguard Group, Inc.	BUY	17.43	Ordinary	28,131	28,131
5-Dec-18	The Vanguard Group, Inc.	BUY	17.43	Ordinary	63,679	63,679
5-Dec-18	The Vanguard Group, Inc.	BUY	17.41	Ordinary	63,679	63,679
5-Dec-18	The Vanguard Group, Inc.	BUY	17.41	Ordinary	220,695	220,695
5-Dec-18	The Vanguard Group, Inc.	BUY	17.43	Ordinary	97,495	97,495
5-Dec-18	The Vanguard Group, Inc.	BUY	17.43	Ordinary	28,131	28,131
5-Dec-18	The Vanguard Group, Inc.	SELL	17.43	Ordinary	(28,131)	(28,131)
5-Dec-18	The Vanguard Group, Inc.	SELL	17.43	Ordinary	(63,679)	(63,679)
5-Dec-18	The Vanguard Group, Inc.	SELL	17.43	Ordinary	(33,816)	(33,816)
5-Dec-18	The Vanguard Group, Inc.	SELL	17.42	Ordinary	(63,679)	(63,679)
5-Dec-18	The Vanguard Group, Inc.	SELL	17.42	Ordinary	(220,695)	(220,695)
5-Dec-18	The Vanguard Group, Inc.	BUY	17.44	Ordinary	1,893	1,893
6-Dec-18	The Vanguard Group, Inc.	BUY	17.37	Ordinary	2,556	2,556
6-Dec-18	The Vanguard Group, Inc.	SELL	17.37	Ordinary	(583)	(583)
7-Dec-18	The Vanguard Group, Inc.	BUY	17.27	Ordinary	9,796	9,796
7-Dec-18	The Vanguard Group, Inc.	BUY	17.17	Ordinary	3,871	3,871
7-Dec-18	The Vanguard Group, Inc.	BUY	17.17	Ordinary	4,424	4,424
7-Dec-18	The Vanguard Group, Inc.	BUY	17.31	Ordinary	3,467	3,467
10-Dec-18	The Vanguard Group, Inc.	BUY	16.87	Ordinary	2,030	2,030
11-Dec-18	The Vanguard Group, Inc.	BUY	16.85	Ordinary	4,424	4,424
11-Dec-18	The Vanguard Group, Inc.	BUY	16.85	Ordinary	3,318	3,318
12-Dec-18	The Vanguard Group, Inc.	BUY	17.16	Ordinary	9,401	9,401
12-Dec-18	The Vanguard Group, Inc.	BUY	17.16	Ordinary	3,318	3,318
12-Dec-18	The Vanguard Group, Inc.	BUY	17.16	Ordinary	3,318	3,318
12-Dec-18	The Vanguard Group, Inc.	SELL	17.04	Ordinary	(328)	(328)
12-Dec-18	The Vanguard Group, Inc.	BUY	17.16	Ordinary	2,088	2,088
13-Dec-18	The Vanguard Group, Inc.	BUY	16.86	Ordinary	3,654	3,654
14-Dec-18	The Vanguard Group, Inc.	BUY	16.61	Ordinary	3,318	3,318
14-Dec-18	The Vanguard Group, Inc.	BUY	16.61	Ordinary	1,566	1,566
17-Dec-18	The Vanguard Group, Inc.	BUY	17.14	Ordinary	6,636	6,636
17-Dec-18	The Vanguard Group, Inc.	BUY	17.14	Ordinary	5,220	5,220
18-Dec-18	The Vanguard Group, Inc.	BUY	17.34	Ordinary	545	545
20-Dec-18	The Vanguard Group, Inc.	BUY	16.83	Ordinary	4,424	4,424
20-Dec-18	The Vanguard Group, Inc.	SELL	16.92	Ordinary	(7,985)	(7,985)
20-Dec-18	The Vanguard Group, Inc.	SELL	16.92	Ordinary	(14,380)	(14,380)
20-Dec-18	The Vanguard Group, Inc.	BUY	16.92	Ordinary	2,927	2,927
21-Dec-18	The Vanguard Group, Inc.	SELL	16.58	Ordinary	(602)	(602)
24-Dec-18	The Vanguard Group, Inc.	BUY	16.74	Ordinary	5,320	5,320
24-Dec-18	The Vanguard Group, Inc.	BUY	16.74	Ordinary	8,512	8,512
24-Dec-18	The Vanguard Group, Inc.	BUY	16.58	Ordinary	6,773	6,773
26-Dec-18	The Vanguard Group, Inc.	BUY	17.03	Ordinary	3,192	3,192
27-Dec-18	The Vanguard Group, Inc.	BUY	17.15	Ordinary	1,596	1,596
27-Dec-18	The Vanguard Group, Inc.	BUY	17.15	Ordinary	2,660	2,660
27-Dec-18	The Vanguard Group, Inc.	BUY	17.15	Ordinary	7,980	7,980
27-Dec-18	The Vanguard Group, Inc.	BUY	17.15	Ordinary	680	680
2-Jan-19	The Vanguard Group, Inc.	BUY	17.12	Ordinary	339	339
2-Jan-19	The Vanguard Group, Inc.	BUY	17.01	Ordinary	3,724	3,724
2-Jan-19	The Vanguard Group, Inc.	BUY	17.01	Ordinary	3,192	3,192
2-Jan-19	The Vanguard Group, Inc.	BUY	16.90	Ordinary	2,444	2,444
3-Jan-19	The Vanguard Group, Inc.	BUY	16.97	Ordinary	2,660	2,660
7-Jan-19	The Vanguard Group, Inc.	BUY	17.01	Ordinary	1,064	1,064

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
8-Jan-19	The Vanguard Group, Inc.	BUY	17.27	Ordinary	1,700	1,700
8-Jan-19	The Vanguard Group, Inc.	SELL	17.18	Ordinary	(8,297)	(8,297)
10-Jan-19	The Vanguard Group, Inc.	SELL	17.38	Ordinary	(8,067)	(8,067)
10-Jan-19	The Vanguard Group, Inc.	BUY	17.42	Ordinary	2,031	2,031
11-Jan-19	The Vanguard Group, Inc.	BUY	17.35	Ordinary	680	680
11-Jan-19	The Vanguard Group, Inc.	BUY	17.30	Ordinary	1,994	1,994
11-Jan-19	The Vanguard Group, Inc.	BUY	17.42	Ordinary	3,080	3,080
17-Jan-19	The Vanguard Group, Inc.	SELL	17.55	Ordinary	(7,990)	(7,990)
17-Jan-19	The Vanguard Group, Inc.	SELL	17.59	Ordinary	(3,060)	(3,060)
17-Jan-19	The Vanguard Group, Inc.	BUY	17.52	Ordinary	196,062	196,062
17-Jan-19	The Vanguard Group, Inc.	BUY	17.52	Ordinary	20,855	20,855
17-Jan-19	The Vanguard Group, Inc.	BUY	17.53	Ordinary	678	678
17-Jan-19	The Vanguard Group, Inc.	SELL	17.53	Ordinary	(3,052)	(3,052)
18-Jan-19	The Vanguard Group, Inc.	SELL	17.81	Ordinary	(349)	(349)
22-Jan-19	The Vanguard Group, Inc.	SELL	17.43	Ordinary	(3,060)	(3,060)
22-Jan-19	The Vanguard Group, Inc.	BUY	17.47	Ordinary	143	143
23-Jan-19	The Vanguard Group, Inc.	BUY	17.34	Ordinary	53,435	53,435
23-Jan-19	The Vanguard Group, Inc.	SELL	17.39	Ordinary	(6,630)	(6,630)
24-Jan-19	The Vanguard Group, Inc.	SELL	17.29	Ordinary	(6,630)	(6,630)
24-Jan-19	The Vanguard Group, Inc.	BUY	17.31	Ordinary	3,657	3,657
24-Jan-19	The Vanguard Group, Inc.	BUY	17.27	Ordinary	4,603	4,603
24-Jan-19	The Vanguard Group, Inc.	BUY	17.31	Ordinary	2,072	2,072
25-Jan-19	The Vanguard Group, Inc.	BUY	17.43	Ordinary	590	590
28-Jan-19	The Vanguard Group, Inc.	SELL	17.38	Ordinary	(3,192)	(3,192)
29-Jan-19	The Vanguard Group, Inc.	SELL	17.34	Ordinary	(4,080)	(4,080)
29-Jan-19	The Vanguard Group, Inc.	SELL	17.34	Ordinary	(4,080)	(4,080)
29-Jan-19	The Vanguard Group, Inc.	SELL	17.34	Ordinary	(9,690)	(9,690)
29-Jan-19	The Vanguard Group, Inc.	SELL	17.34	Ordinary	(2,128)	(2,128)
30-Jan-19	The Vanguard Group, Inc.	SELL	17.41	Ordinary	(3,192)	(3,192)
30-Jan-19	The Vanguard Group, Inc.	SELL	17.35	Ordinary	(8,051)	(8,051)
30-Jan-19	The Vanguard Group, Inc.	BUY	17.35	Ordinary	10,465	10,465
30-Jan-19	The Vanguard Group, Inc.	BUY	17.40	Ordinary	1,058	1,058
31-Jan-19	The Vanguard Group, Inc.	SELL	17.17	Ordinary	(9,044)	(9,044)
31-Jan-19	The Vanguard Group, Inc.	BUY	17.15	Ordinary	181	181
5-Feb-19	The Vanguard Group, Inc.	BUY	17.50	Ordinary	3,558	3,558
7-Feb-19	The Vanguard Group, Inc.	SELL	18.07	Ordinary	(3,112)	(3,112)
7-Feb-19	The Vanguard Group, Inc.	SELL	18.07	Ordinary	(2,128)	(2,128)
7-Feb-19	The Vanguard Group, Inc.	SELL	18.07	Ordinary	(2,128)	(2,128)
8-Feb-19	The Vanguard Group, Inc.	BUY	18.18	Ordinary	15,661	15,661
8-Feb-19	The Vanguard Group, Inc.	SELL	18.22	Ordinary	(6,916)	(6,916)
8-Feb-19	The Vanguard Group, Inc.	BUY	18.21	Ordinary	4,785	4,785
11-Feb-19	The Vanguard Group, Inc.	SELL	17.95	Ordinary	(4,788)	(4,788)
11-Feb-19	The Vanguard Group, Inc.	BUY	17.94	Ordinary	7,566	7,566
12-Feb-19	The Vanguard Group, Inc.	SELL	18.20	Ordinary	(19,714)	(19,714)
13-Feb-19	The Vanguard Group, Inc.	SELL	18.12	Ordinary	(3,192)	(3,192)
15-Feb-19	The Vanguard Group, Inc.	SELL	18.09	Ordinary	(241)	(241)
18-Feb-19	The Vanguard Group, Inc.	BUY	18.21	Ordinary	1,950	1,950
20-Feb-19	The Vanguard Group, Inc.	BUY	18.05	Ordinary	5,881	5,881
20-Feb-19	The Vanguard Group, Inc.	SELL	18.07	Ordinary	(1,397)	(1,397)
21-Feb-19	The Vanguard Group, Inc.	SELL	17.81	Ordinary	(2,660)	(2,660)
21-Feb-19	The Vanguard Group, Inc.	BUY	18.06	Ordinary	2,035	2,035
26-Feb-19	The Vanguard Group, Inc.	BUY	17.59	Ordinary	2,550	2,550
26-Feb-19	The Vanguard Group, Inc.	BUY	17.59	Ordinary	327	327
27-Feb-19	The Vanguard Group, Inc.	BUY	17.72	Ordinary	181	181
28-Feb-19	The Vanguard Group, Inc.	SELL	17.65	Ordinary	(7,853)	(7,853)
1-Mar-19	The Vanguard Group, Inc.	SELL	17.65	Ordinary	(7,932)	(7,932)
1-Mar-19	The Vanguard Group, Inc.	SELL	17.65	Ordinary	(1,970)	(1,970)
1-Mar-19	The Vanguard Group, Inc.	BUY	17.65	Ordinary	335	335
4-Mar-19	The Vanguard Group, Inc.	SELL	17.63	Ordinary	(7,964)	(7,964)
5-Mar-19	The Vanguard Group, Inc.	BUY	17.68	Ordinary	3,060	3,060
5-Mar-19	The Vanguard Group, Inc.	SELL	17.67	Ordinary	(1,995)	(1,995)
6-Mar-19	The Vanguard Group, Inc.	BUY	18.00	Ordinary	590	590
8-Mar-19	The Vanguard Group, Inc.	BUY	17.98	Ordinary	2,550	2,550
8-Mar-19	The Vanguard Group, Inc.	BUY	18.05	Ordinary	5,564	5,564
8-Mar-19	The Vanguard Group, Inc.	BUY	18.00	Ordinary	540	540

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
11-Mar-19	The Vanguard Group, Inc.	BUY	17.87	Ordinary	181	181
12-Mar-19	The Vanguard Group, Inc.	SELL	18.15	Ordinary	(1,972)	(1,972)
13-Mar-19	The Vanguard Group, Inc.	BUY	18.05	Ordinary	101,833	101,833
14-Mar-19	The Vanguard Group, Inc.	BUY	18.16	Ordinary	1,469	1,469
15-Mar-19	The Vanguard Group, Inc.	BUY	18.15	Ordinary	16,435	16,435
15-Mar-19	The Vanguard Group, Inc.	BUY	18.14	Ordinary	362	362
15-Mar-19	The Vanguard Group, Inc.	SELL	18.14	Ordinary	(530)	(530)
15-Mar-19	The Vanguard Group, Inc.	SELL	18.14	Ordinary	(695)	(695)
19-Mar-19	The Vanguard Group, Inc.	BUY	18.04	Ordinary	3,082	3,082
19-Mar-19	The Vanguard Group, Inc.	BUY	18.04	Ordinary	100	100
20-Mar-19	The Vanguard Group, Inc.	BUY	18.49	Ordinary	1,530	1,530
21-Mar-19	The Vanguard Group, Inc.	BUY	18.52	Ordinary	540	540
22-Mar-19	The Vanguard Group, Inc.	BUY	18.55	Ordinary	24,996	24,996
26-Mar-19	The Vanguard Group, Inc.	BUY	18.20	Ordinary	50,838	50,838
27-Mar-19	The Vanguard Group, Inc.	BUY	18.06	Ordinary	24,808	24,808
27-Mar-19	The Vanguard Group, Inc.	SELL	18.05	Ordinary	(305)	(305)
28-Mar-19	The Vanguard Group, Inc.	SELL	18.16	Ordinary	(1,922)	(1,922)
29-Mar-19	The Vanguard Group, Inc.	BUY	17.63	Ordinary	181	181
29-Mar-19	The Vanguard Group, Inc.	SELL	17.63	Ordinary	(4,317)	(4,317)
29-Mar-19	The Vanguard Group, Inc.	BUY	18.07	Ordinary	2,077	2,077
1-Apr-19	The Vanguard Group, Inc.	BUY	17.87	Ordinary	2,040	2,040
4-Apr-19	The Vanguard Group, Inc.	BUY	18.02	Ordinary	754	754
4-Apr-19	The Vanguard Group, Inc.	SELL	18.02	Ordinary	(2,897)	(2,897)
9-Apr-19	The Vanguard Group, Inc.	SELL	18.24	Ordinary	(2,250)	(2,250)
10-Apr-19	The Vanguard Group, Inc.	BUY	18.23	Ordinary	9,107	9,107
16-Apr-19	The Vanguard Group, Inc.	BUY	18.62	Ordinary	558	558
16-Apr-19	The Vanguard Group, Inc.	BUY	18.53	Ordinary	4,189	4,189
16-Apr-19	The Vanguard Group, Inc.	BUY	18.65	Ordinary	181	181
16-Apr-19	The Vanguard Group, Inc.	BUY	18.64	Ordinary	1,230	1,230
18-Apr-19	The Vanguard Group, Inc.	BUY	18.71	Ordinary	4,902	4,902
23-Apr-19	The Vanguard Group, Inc.	SELL	18.98	Ordinary	(1,958)	(1,958)
24-Apr-19	The Vanguard Group, Inc.	SELL	19.06	Ordinary	(7,492)	(7,492)
24-Apr-19	The Vanguard Group, Inc.	BUY	19.06	Ordinary	692	692
26-Apr-19	The Vanguard Group, Inc.	BUY	19.01	Ordinary	2,550	2,550
26-Apr-19	The Vanguard Group, Inc.	BUY	19.13	Ordinary	1,598	1,598
30-Apr-19	The Vanguard Group, Inc.	BUY	18.60	Ordinary	837	837
2-May-19	The Vanguard Group, Inc.	BUY	18.50	Ordinary	103,165	103,165
3-May-19	The Vanguard Group, Inc.	BUY	18.72	Ordinary	754	754
6-May-19	The Vanguard Group, Inc.	SELL	18.59	Ordinary	(2,334)	(2,334)
7-May-19	The Vanguard Group, Inc.	BUY	18.72	Ordinary	16,113	16,113
7-May-19	The Vanguard Group, Inc.	BUY	18.72	Ordinary	823	823
7-May-19	The Vanguard Group, Inc.	BUY	18.73	Ordinary	754	754
8-May-19	The Vanguard Group, Inc.	SELL	18.66	Ordinary	(2,334)	(2,334)
8-May-19	The Vanguard Group, Inc.	BUY	18.66	Ordinary	837	837
8-May-19	The Vanguard Group, Inc.	BUY	18.43	Ordinary	5,990	5,990
8-May-19	The Vanguard Group, Inc.	BUY	18.65	Ordinary	540	540
9-May-19	The Vanguard Group, Inc.	BUY	19.44	Ordinary	46,257	46,257
9-May-19	The Vanguard Group, Inc.	BUY	19.71	Ordinary	3,060	3,060
10-May-19	The Vanguard Group, Inc.	BUY	19.46	Ordinary	540	540
10-May-19	The Vanguard Group, Inc.	SELL	19.46	Ordinary	(6,299)	(6,299)
10-May-19	The Vanguard Group, Inc.	BUY	19.46	Ordinary	437	437
14-May-19	The Vanguard Group, Inc.	SELL	19.71	Ordinary	(2,334)	(2,334)
14-May-19	The Vanguard Group, Inc.	BUY	19.71	Ordinary	2,128	2,128
14-May-19	The Vanguard Group, Inc.	BUY	19.56	Ordinary	181	181
15-May-19	The Vanguard Group, Inc.	BUY	20.02	Ordinary	5,002	5,002
16-May-19	The Vanguard Group, Inc.	BUY	20.26	Ordinary	59,043	59,043
21-May-19	The Vanguard Group, Inc.	BUY	20.55	Ordinary	1,644	1,644
22-May-19	The Vanguard Group, Inc.	BUY	20.71	Ordinary	1,994	1,994
23-May-19	The Vanguard Group, Inc.	BUY	20.83	Ordinary	2,768	2,768
24-May-19	The Vanguard Group, Inc.	BUY	20.66	Ordinary	897	897
28-May-19	The Vanguard Group, Inc.	BUY	20.77	Ordinary	2,550	2,550
28-May-19	The Vanguard Group, Inc.	BUY	20.84	Ordinary	6,970	6,970
28-May-19	The Vanguard Group, Inc.	BUY	20.84	Ordinary	3,070	3,070
29-May-19	The Vanguard Group, Inc.	SELL	20.83	Ordinary	(333)	(333)
30-May-19	The Vanguard Group, Inc.	BUY	20.41	Ordinary	59,160	59,160

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30-May-19	The Vanguard Group, Inc.	BUY	20.44	Ordinary	540	540
31-May-19	The Vanguard Group, Inc.	SELL	20.66	Ordinary	(10,471)	(10,471)
4-Jun-19	The Vanguard Group, Inc.	BUY	20.44	Ordinary	2,776	2,776
5-Jun-19	The Vanguard Group, Inc.	SELL	20.51	Ordinary	(3,112)	(3,112)
5-Jun-19	The Vanguard Group, Inc.	SELL	20.51	Ordinary	(1,556)	(1,556)
5-Jun-19	The Vanguard Group, Inc.	BUY	20.48	Ordinary	50,481	50,481
5-Jun-19	The Vanguard Group, Inc.	SELL	20.44	Ordinary	(754)	(754)
6-Jun-19	The Vanguard Group, Inc.	BUY	20.49	Ordinary	4,844	4,844
6-Jun-19	The Vanguard Group, Inc.	BUY	20.45	Ordinary	181	181
6-Jun-19	The Vanguard Group, Inc.	SELL	20.45	Ordinary	(11,717)	(11,717)
7-Jun-19	The Vanguard Group, Inc.	BUY	20.75	Ordinary	558	558
7-Jun-19	The Vanguard Group, Inc.	SELL	20.71	Ordinary	(1,720)	(1,720)
7-Jun-19	The Vanguard Group, Inc.	BUY	20.69	Ordinary	73,452	73,452
7-Jun-19	The Vanguard Group, Inc.	BUY	20.69	Ordinary	104	104
10-Jun-19	The Vanguard Group, Inc.	BUY	20.82	Ordinary	837	837
11-Jun-19	The Vanguard Group, Inc.	SELL	20.95	Ordinary	(1,945)	(1,945)
11-Jun-19	The Vanguard Group, Inc.	BUY	20.98	Ordinary	540	540
12-Jun-19	The Vanguard Group, Inc.	SELL	20.82	Ordinary	(66,644)	(66,644)
12-Jun-19	The Vanguard Group, Inc.	BUY	20.81	Ordinary	377	377
13-Jun-19	The Vanguard Group, Inc.	SELL	20.82	Ordinary	(25,373)	(25,373)
14-Jun-19	The Vanguard Group, Inc.	SELL	20.47	Ordinary	(1,167)	(1,167)
14-Jun-19	The Vanguard Group, Inc.	BUY	20.47	Ordinary	558	558
14-Jun-19	The Vanguard Group, Inc.	BUY	20.47	Ordinary	558	558
14-Jun-19	The Vanguard Group, Inc.	SELL	20.53	Ordinary	(13,059)	(13,059)
17-Jun-19	The Vanguard Group, Inc.	BUY	20.51	Ordinary	181	181
17-Jun-19	The Vanguard Group, Inc.	SELL	20.51	Ordinary	(3,157)	(3,157)
19-Jun-19	The Vanguard Group, Inc.	BUY	20.74	Ordinary	16,246	16,246
21-Jun-19	The Vanguard Group, Inc.	BUY	20.69	Ordinary	698	698
21-Jun-19	The Vanguard Group, Inc.	BUY	20.69	Ordinary	19,163	19,163
21-Jun-19	The Vanguard Group, Inc.	SELL	20.69	Ordinary	(1,888)	(1,888)
24-Jun-19	The Vanguard Group, Inc.	BUY	20.49	Ordinary	3,856	3,856
25-Jun-19	The Vanguard Group, Inc.	SELL	20.47	Ordinary	(1,167)	(1,167)
25-Jun-19	The Vanguard Group, Inc.	BUY	20.53	Ordinary	1,398	1,398
26-Jun-19	The Vanguard Group, Inc.	BUY	20.48	Ordinary	754	754
27-Jun-19	The Vanguard Group, Inc.	SELL	20.47	Ordinary	(261)	(261)
28-Jun-19	The Vanguard Group, Inc.	BUY	20.30	Ordinary	2,790	2,790
1-Jul-19	The Vanguard Group, Inc.	BUY	20.40	Ordinary	558	558
2-Jul-19	The Vanguard Group, Inc.	BUY	20.69	Ordinary	7,494	7,494
4-Jul-19	The Vanguard Group, Inc.	BUY	20.73	Ordinary	3,365	3,365
5-Jul-19	The Vanguard Group, Inc.	BUY	20.88	Ordinary	2,040	2,040
9-Jul-19	The Vanguard Group, Inc.	BUY	20.65	Ordinary	6,877	6,877
9-Jul-19	The Vanguard Group, Inc.	BUY	20.49	Ordinary	181	181
10-Jul-19	The Vanguard Group, Inc.	BUY	20.48	Ordinary	1,060	1,060
11-Jul-19	The Vanguard Group, Inc.	BUY	20.51	Ordinary	3,347	3,347
12-Jul-19	The Vanguard Group, Inc.	BUY	20.27	Ordinary	6,086	6,086
12-Jul-19	The Vanguard Group, Inc.	SELL	20.25	Ordinary	(5,750)	(5,750)
15-Jul-19	The Vanguard Group, Inc.	BUY	19.98	Ordinary	3,060	3,060
17-Jul-19	The Vanguard Group, Inc.	SELL	20.01	Ordinary	(654)	(654)
22-Jul-19	The Vanguard Group, Inc.	BUY	20.37	Ordinary	2,550	2,550
22-Jul-19	The Vanguard Group, Inc.	BUY	20.37	Ordinary	2,550	2,550
22-Jul-19	The Vanguard Group, Inc.	SELL	20.35	Ordinary	(6,693)	(6,693)
23-Jul-19	The Vanguard Group, Inc.	BUY	20.30	Ordinary	412	412
25-Jul-19	The Vanguard Group, Inc.	BUY	20.56	Ordinary	1,446	1,446
26-Jul-19	The Vanguard Group, Inc.	BUY	20.51	Ordinary	2,410	2,410
26-Jul-19	The Vanguard Group, Inc.	SELL	20.44	Ordinary	(1,415)	(1,415)
26-Jul-19	The Vanguard Group, Inc.	BUY	20.44	Ordinary	96	96
29-Jul-19	The Vanguard Group, Inc.	SELL	20.50	Ordinary	(8,312)	(8,312)
30-Jul-19	The Vanguard Group, Inc.	SELL	21.09	Ordinary	(1,556)	(1,556)
30-Jul-19	The Vanguard Group, Inc.	SELL	20.75	Ordinary	(567)	(567)
30-Jul-19	The Vanguard Group, Inc.	BUY	21.09	Ordinary	558	558
30-Jul-19	The Vanguard Group, Inc.	BUY	21.10	Ordinary	754	754
30-Jul-19	The Vanguard Group, Inc.	BUY	21.10	Ordinary	4,912	4,912
1-Aug-19	The Vanguard Group, Inc.	BUY	21.91	Ordinary	4,590	4,590
1-Aug-19	The Vanguard Group, Inc.	SELL	21.93	Ordinary	(14,257)	(14,257)
2-Aug-19	The Vanguard Group, Inc.	BUY	22.22	Ordinary	1,928	1,928

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5-Aug-19	The Vanguard Group, Inc.	BUY	21.56	Ordinary	2,410	2,410
5-Aug-19	The Vanguard Group, Inc.	BUY	21.72	Ordinary	824	824
6-Aug-19	The Vanguard Group, Inc.	BUY	21.16	Ordinary	558	558
6-Aug-19	The Vanguard Group, Inc.	BUY	21.08	Ordinary	10,638	10,638
8-Aug-19	The Vanguard Group, Inc.	SELL	21.54	Ordinary	(1,945)	(1,945)
8-Aug-19	The Vanguard Group, Inc.	BUY	21.45	Ordinary	651	651
8-Aug-19	The Vanguard Group, Inc.	BUY	21.21	Ordinary	16,326	16,326
12-Aug-19	The Vanguard Group, Inc.	BUY	21.61	Ordinary	400	400
13-Aug-19	The Vanguard Group, Inc.	SELL	21.61	Ordinary	(2,723)	(2,723)
14-Aug-19	The Vanguard Group, Inc.	BUY	21.63	Ordinary	181	181
14-Aug-19	The Vanguard Group, Inc.	SELL	21.50	Ordinary	(2,920)	(2,920)
15-Aug-19	The Vanguard Group, Inc.	SELL	20.91	Ordinary	(2,334)	(2,334)
15-Aug-19	The Vanguard Group, Inc.	BUY	21.26	Ordinary	38,321	38,321
19-Aug-19	The Vanguard Group, Inc.	BUY	21.22	Ordinary	558	558
19-Aug-19	The Vanguard Group, Inc.	BUY	21.15	Ordinary	4,029	4,029
19-Aug-19	The Vanguard Group, Inc.	SELL	21.15	Ordinary	(349)	(349)
20-Aug-19	The Vanguard Group, Inc.	BUY	21.40	Ordinary	558	558
21-Aug-19	The Vanguard Group, Inc.	SELL	21.34	Ordinary	(631,783)	(631,783)
22-Aug-19	The Vanguard Group, Inc.	SELL	21.34	Ordinary	(6,707)	(6,707)
23-Aug-19	The Vanguard Group, Inc.	BUY	20.92	Ordinary	558	558
27-Aug-19	The Vanguard Group, Inc.	BUY	21.04	Ordinary	8,311	8,311
27-Aug-19	The Vanguard Group, Inc.	SELL	21.04	Ordinary	(1,726)	(1,726)
29-Aug-19	The Vanguard Group, Inc.	BUY	21.25	Ordinary	5,478	5,478
2-Sep-19	The Vanguard Group, Inc.	BUY	21.41	Ordinary	3,794	3,794
5-Sep-19	The Vanguard Group, Inc.	SELL	21.65	Ordinary	(725)	(725)
6-Sep-19	The Vanguard Group, Inc.	BUY	21.62	Ordinary	199	199
6-Sep-19	The Vanguard Group, Inc.	SELL	21.78	Ordinary	(2,395)	(2,395)
12-Sep-19	The Vanguard Group, Inc.	BUY	22.54	Ordinary	31,802	31,802
16-Sep-19	The Vanguard Group, Inc.	BUY	22.64	Ordinary	1,167	1,167
16-Sep-19	The Vanguard Group, Inc.	BUY	22.64	Ordinary	558	558
16-Sep-19	The Vanguard Group, Inc.	BUY	22.62	Ordinary	2,047	2,047
17-Sep-19	The Vanguard Group, Inc.	BUY	22.66	Ordinary	400	400
20-Sep-19	The Vanguard Group, Inc.	SELL	22.76	Ordinary	(45,338)	(45,338)
20-Sep-19	The Vanguard Group, Inc.	BUY	22.77	Ordinary	14,664	14,664
20-Sep-19	The Vanguard Group, Inc.	SELL	22.76	Ordinary	(1,289)	(1,289)
20-Sep-19	The Vanguard Group, Inc.	SELL	22.76	Ordinary	(4,854)	(4,854)
20-Sep-19	The Vanguard Group, Inc.	BUY	22.77	Ordinary	4,332	4,332
24-Sep-19	The Vanguard Group, Inc.	BUY	22.97	Ordinary	5,840	5,840
24-Sep-19	The Vanguard Group, Inc.	SELL	22.97	Ordinary	(404)	(404)
25-Sep-19	The Vanguard Group, Inc.	BUY	22.85	Ordinary	5,670	5,670
27-Sep-19	The Vanguard Group, Inc.	SELL	22.92	Ordinary	(245)	(245)
27-Sep-19	The Vanguard Group, Inc.	BUY	22.92	Ordinary	745	745
1-Oct-19	The Vanguard Group, Inc.	BUY	22.92	Ordinary	1,394	1,394
1-Oct-19	The Vanguard Group, Inc.	BUY	22.92	Ordinary	734	734
2-Oct-19	The Vanguard Group, Inc.	BUY	22.49	Ordinary	558	558
4-Oct-19	The Vanguard Group, Inc.	BUY	22.78	Ordinary	558	558
4-Oct-19	The Vanguard Group, Inc.	BUY	22.65	Ordinary	385	385
8-Oct-19	The Vanguard Group, Inc.	BUY	22.33	Ordinary	558	558
11-Oct-19	The Vanguard Group, Inc.	BUY	22.89	Ordinary	4,167	4,167
16-Oct-19	The Vanguard Group, Inc.	BUY	23.59	Ordinary	385	385
21-Oct-19	The Vanguard Group, Inc.	BUY	23.34	Ordinary	199	199
25-Oct-19	The Vanguard Group, Inc.	SELL	23.76	Ordinary	(4,668)	(4,668)
25-Oct-19	The Vanguard Group, Inc.	BUY	23.76	Ordinary	837	837
25-Oct-19	The Vanguard Group, Inc.	BUY	23.68	Ordinary	199	199
25-Oct-19	The Vanguard Group, Inc.	BUY	23.68	Ordinary	4,747	4,747
25-Oct-19	The Vanguard Group, Inc.	SELL	23.68	Ordinary	(9)	(9)
28-Oct-19	The Vanguard Group, Inc.	BUY	23.42	Ordinary	11,770	11,770
29-Oct-19	The Vanguard Group, Inc.	SELL	23.40	Ordinary	(3,164)	(3,164)
31-Oct-19	The Vanguard Group, Inc.	SELL	22.90	Ordinary	(5,064)	(5,064)
1-Nov-19	The Vanguard Group, Inc.	BUY	23.70	Ordinary	162	162
5-Nov-19	The Vanguard Group, Inc.	SELL	23.75	Ordinary	(488)	(488)
8-Nov-19	The Vanguard Group, Inc.	BUY	24.30	Ordinary	558	558
8-Nov-19	The Vanguard Group, Inc.	BUY	24.18	Ordinary	199	199
15-Nov-19	The Vanguard Group, Inc.	BUY	23.82	Ordinary	558	558
18-Nov-19	The Vanguard Group, Inc.	BUY	23.60	Ordinary	1,155	1,155

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19-Nov-19	The Vanguard Group, Inc.	BUY	23.80	Ordinary	199	199
20-Nov-19	The Vanguard Group, Inc.	BUY	23.74	Ordinary	924	924
21-Nov-19	The Vanguard Group, Inc.	BUY	23.67	Ordinary	558	558
21-Nov-19	The Vanguard Group, Inc.	BUY	23.64	Ordinary	144	144
22-Nov-19	The Vanguard Group, Inc.	BUY	23.69	Ordinary	770	770
25-Nov-19	The Vanguard Group, Inc.	BUY	23.41	Ordinary	385	385
26-Nov-19	The Vanguard Group, Inc.	SELL	23.54	Ordinary	(75)	(75)
26-Nov-19	The Vanguard Group, Inc.	BUY	23.55	Ordinary	279	279
26-Nov-19	The Vanguard Group, Inc.	BUY	23.54	Ordinary	6,145	6,145
26-Nov-19	The Vanguard Group, Inc.	BUY	23.54	Ordinary	1,204	1,204
27-Nov-19	The Vanguard Group, Inc.	BUY	23.87	Ordinary	385	385
27-Nov-19	The Vanguard Group, Inc.	BUY	23.87	Ordinary	734	734
29-Nov-19	The Vanguard Group, Inc.	BUY	23.81	Ordinary	558	558
29-Nov-19	The Vanguard Group, Inc.	BUY	23.78	Ordinary	385	385
29-Nov-19	The Vanguard Group, Inc.	BUY	23.78	Ordinary	199	199
29-Nov-19	The Vanguard Group, Inc.	BUY	23.78	Ordinary	178	178
2-Dec-19	The Vanguard Group, Inc.	BUY	23.33	Ordinary	7,140	7,140
3-Dec-19	The Vanguard Group, Inc.	BUY	22.88	Ordinary	398	398
3-Dec-19	The Vanguard Group, Inc.	BUY	22.88	Ordinary	199	199
3-Dec-19	The Vanguard Group, Inc.	BUY	22.88	Ordinary	2,994	2,994
4-Dec-19	The Vanguard Group, Inc.	BUY	22.76	Ordinary	770	770
4-Dec-19	The Vanguard Group, Inc.	BUY	22.76	Ordinary	2,534	2,534
4-Dec-19	The Vanguard Group, Inc.	BUY	22.76	Ordinary	96	96
6-Dec-19	The Vanguard Group, Inc.	BUY	23.04	Ordinary	6,831	6,831
9-Dec-19	The Vanguard Group, Inc.	BUY	22.78	Ordinary	882	882
9-Dec-19	The Vanguard Group, Inc.	BUY	23.09	Ordinary	2,669	2,669
10-Dec-19	The Vanguard Group, Inc.	BUY	23.00	Ordinary	199	199
11-Dec-19	The Vanguard Group, Inc.	BUY	22.92	Ordinary	558	558
11-Dec-19	The Vanguard Group, Inc.	BUY	22.92	Ordinary	558	558
11-Dec-19	The Vanguard Group, Inc.	BUY	23.06	Ordinary	129	129
12-Dec-19	The Vanguard Group, Inc.	BUY	22.93	Ordinary	1,446	1,446
16-Dec-19	The Vanguard Group, Inc.	BUY	23.15	Ordinary	558	558
20-Dec-19	The Vanguard Group, Inc.	BUY	23.33	Ordinary	10,404	10,404
20-Dec-19	The Vanguard Group, Inc.	BUY	23.33	Ordinary	6,253	6,253
20-Dec-19	The Vanguard Group, Inc.	SELL	23.33	Ordinary	(1,734)	(1,734)
20-Dec-19	The Vanguard Group, Inc.	BUY	23.33	Ordinary	1,974	1,974
23-Dec-19	The Vanguard Group, Inc.	BUY	22.82	Ordinary	7,140	7,140
23-Dec-19	The Vanguard Group, Inc.	BUY	22.82	Ordinary	1,530	1,530
24-Dec-19	The Vanguard Group, Inc.	BUY	22.96	Ordinary	3,060	3,060
24-Dec-19	The Vanguard Group, Inc.	BUY	22.99	Ordinary	770	770
26-Dec-19	The Vanguard Group, Inc.	BUY	22.97	Ordinary	7,650	7,650
27-Dec-19	The Vanguard Group, Inc.	BUY	22.75	Ordinary	558	558
27-Dec-19	The Vanguard Group, Inc.	BUY	22.86	Ordinary	1,576	1,576
30-Dec-19	The Vanguard Group, Inc.	BUY	22.82	Ordinary	385	385
30-Dec-19	The Vanguard Group, Inc.	BUY	22.82	Ordinary	891	891
31-Dec-19	The Vanguard Group, Inc.	BUY	21.97	Ordinary	11,124	11,124
31-Dec-19	The Vanguard Group, Inc.	BUY	21.98	Ordinary	199	199
31-Dec-19	The Vanguard Group, Inc.	BUY	21.98	Ordinary	199	199
2-Jan-20	The Vanguard Group, Inc.	BUY	22.06	Ordinary	558	558
2-Jan-20	The Vanguard Group, Inc.	BUY	21.97	Ordinary	385	385
3-Jan-20	The Vanguard Group, Inc.	BUY	22.22	Ordinary	558	558
6-Jan-20	The Vanguard Group, Inc.	BUY	22.30	Ordinary	1,674	1,674
7-Jan-20	The Vanguard Group, Inc.	BUY	22.57	Ordinary	35,138	35,138
8-Jan-20	The Vanguard Group, Inc.	BUY	22.46	Ordinary	199	199
8-Jan-20	The Vanguard Group, Inc.	BUY	22.46	Ordinary	6,091	6,091
9-Jan-20	The Vanguard Group, Inc.	BUY	22.57	Ordinary	9,180	9,180
9-Jan-20	The Vanguard Group, Inc.	SELL	22.47	Ordinary	(3,215)	(3,215)
9-Jan-20	The Vanguard Group, Inc.	BUY	22.47	Ordinary	712	712
10-Jan-20	The Vanguard Group, Inc.	BUY	22.71	Ordinary	720	720
10-Jan-20	The Vanguard Group, Inc.	BUY	22.71	Ordinary	199	199
13-Jan-20	The Vanguard Group, Inc.	BUY	22.61	Ordinary	199	199
13-Jan-20	The Vanguard Group, Inc.	BUY	22.61	Ordinary	738	738
14-Jan-20	The Vanguard Group, Inc.	BUY	22.87	Ordinary	41,500	41,500
15-Jan-20	The Vanguard Group, Inc.	BUY	22.80	Ordinary	4,080	4,080
15-Jan-20	The Vanguard Group, Inc.	BUY	22.76	Ordinary	199	199

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15-Jan-20	The Vanguard Group, Inc.	BUY	22.76	Ordinary	1,308	1,308
16-Jan-20	The Vanguard Group, Inc.	BUY	23.05	Ordinary	4,590	4,590
16-Jan-20	The Vanguard Group, Inc.	BUY	22.93	Ordinary	360	360
17-Jan-20	The Vanguard Group, Inc.	BUY	23.25	Ordinary	4,080	4,080
17-Jan-20	The Vanguard Group, Inc.	BUY	23.25	Ordinary	4,590	4,590
17-Jan-20	The Vanguard Group, Inc.	BUY	23.25	Ordinary	270	270
17-Jan-20	The Vanguard Group, Inc.	BUY	23.13	Ordinary	740	740
21-Jan-20	The Vanguard Group, Inc.	BUY	23.26	Ordinary	7,230	7,230
21-Jan-20	The Vanguard Group, Inc.	BUY	23.26	Ordinary	810	810
22-Jan-20	The Vanguard Group, Inc.	BUY	23.28	Ordinary	3,060	3,060
22-Jan-20	The Vanguard Group, Inc.	BUY	23.37	Ordinary	738	738
22-Jan-20	The Vanguard Group, Inc.	BUY	23.33	Ordinary	1,093	1,093
23-Jan-20	The Vanguard Group, Inc.	BUY	23.03	Ordinary	2,550	2,550
23-Jan-20	The Vanguard Group, Inc.	BUY	22.90	Ordinary	360	360
23-Jan-20	The Vanguard Group, Inc.	BUY	22.90	Ordinary	720	720
28-Jan-20	The Vanguard Group, Inc.	BUY	22.83	Ordinary	199	199
29-Jan-20	The Vanguard Group, Inc.	BUY	23.21	Ordinary	720	720
30-Jan-20	The Vanguard Group, Inc.	BUY	23.00	Ordinary	360	360
30-Jan-20	The Vanguard Group, Inc.	BUY	23.00	Ordinary	360	360
31-Jan-20	The Vanguard Group, Inc.	BUY	22.57	Ordinary	3,060	3,060
31-Jan-20	The Vanguard Group, Inc.	BUY	22.57	Ordinary	3,060	3,060
31-Jan-20	The Vanguard Group, Inc.	BUY	22.57	Ordinary	540	540
31-Jan-20	The Vanguard Group, Inc.	BUY	22.83	Ordinary	740	740
31-Jan-20	The Vanguard Group, Inc.	BUY	22.83	Ordinary	7,185	7,185
3-Feb-20	The Vanguard Group, Inc.	BUY	22.10	Ordinary	30,833	30,833
3-Feb-20	The Vanguard Group, Inc.	BUY	21.98	Ordinary	2,214	2,214
4-Feb-20	The Vanguard Group, Inc.	BUY	22.46	Ordinary	1,928	1,928
4-Feb-20	The Vanguard Group, Inc.	BUY	22.46	Ordinary	7,712	7,712
4-Feb-20	The Vanguard Group, Inc.	BUY	22.38	Ordinary	1,080	1,080
4-Feb-20	The Vanguard Group, Inc.	BUY	22.38	Ordinary	199	199
4-Feb-20	The Vanguard Group, Inc.	BUY	22.38	Ordinary	1,037	1,037
5-Feb-20	The Vanguard Group, Inc.	BUY	22.61	Ordinary	9,690	9,690
5-Feb-20	The Vanguard Group, Inc.	BUY	22.61	Ordinary	3,570	3,570
6-Feb-20	The Vanguard Group, Inc.	BUY	22.72	Ordinary	28,641	28,641
10-Feb-20	The Vanguard Group, Inc.	BUY	22.44	Ordinary	4,590	4,590
10-Feb-20	The Vanguard Group, Inc.	BUY	22.44	Ordinary	540	540
10-Feb-20	The Vanguard Group, Inc.	BUY	22.27	Ordinary	720	720
10-Feb-20	The Vanguard Group, Inc.	BUY	22.27	Ordinary	738	738
10-Feb-20	The Vanguard Group, Inc.	BUY	22.30	Ordinary	716	716
11-Feb-20	The Vanguard Group, Inc.	BUY	22.28	Ordinary	3,060	3,060
11-Feb-20	The Vanguard Group, Inc.	BUY	22.31	Ordinary	199	199
11-Feb-20	The Vanguard Group, Inc.	BUY	22.31	Ordinary	199	199
12-Feb-20	The Vanguard Group, Inc.	BUY	22.41	Ordinary	1,075	1,075
12-Feb-20	The Vanguard Group, Inc.	BUY	22.41	Ordinary	6,769	6,769
13-Feb-20	The Vanguard Group, Inc.	BUY	22.39	Ordinary	6,630	6,630
13-Feb-20	The Vanguard Group, Inc.	SELL	22.56	Ordinary	(313)	(313)
13-Feb-20	The Vanguard Group, Inc.	BUY	22.38	Ordinary	360	360
13-Feb-20	The Vanguard Group, Inc.	BUY	22.38	Ordinary	360	360
13-Feb-20	The Vanguard Group, Inc.	BUY	22.38	Ordinary	199	199
14-Feb-20	The Vanguard Group, Inc.	BUY	22.42	Ordinary	3,060	3,060
14-Feb-20	The Vanguard Group, Inc.	BUY	22.42	Ordinary	810	810
14-Feb-20	The Vanguard Group, Inc.	SELL	22.38	Ordinary	(37,083)	(37,083)
18-Feb-20	The Vanguard Group, Inc.	BUY	22.31	Ordinary	903	903
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	22,198	22,198
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	416,217	416,217
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	152,619	152,619
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	7,839	7,839
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	43,124	43,124
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	1,607	1,607
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	21,783	21,783
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	3,031	3,031
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	1,276	1,276
20-Feb-20	The Vanguard Group, Inc.	BUY	21.50	Ordinary	5,166	5,166
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	4,338	4,338
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	276	276

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20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	3,813	3,813
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	493	493
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	50,784	50,784
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	598	598
20-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	66	66
21-Feb-20	The Vanguard Group, Inc.	BUY	21.57	Ordinary	51,661	51,661
21-Feb-20	The Vanguard Group, Inc.	BUY	21.50	Ordinary	4,080	4,080
21-Feb-20	The Vanguard Group, Inc.	BUY	21.57	Ordinary	28,566	28,566
21-Feb-20	The Vanguard Group, Inc.	BUY	21.66	Ordinary	907	907
24-Feb-20	The Vanguard Group, Inc.	SELL	21.14	Ordinary	(1,945)	(1,945)
24-Feb-20	The Vanguard Group, Inc.	BUY	21.14	Ordinary	540	540
25-Feb-20	The Vanguard Group, Inc.	SELL	20.55	Ordinary	(778)	(778)
25-Feb-20	The Vanguard Group, Inc.	BUY	20.55	Ordinary	3,060	3,060
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	1,546	1,546
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	10,969	10,969
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	5,323	5,323
25-Feb-20	The Vanguard Group, Inc.	SELL	21.12	Ordinary	(8,560)	(8,560)
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	221	221
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	1,403	1,403
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	121	121
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	42	42
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	901	901
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	5,015	5,015
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	193	193
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	812	812
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	539	539
25-Feb-20	The Vanguard Group, Inc.	BUY	21.19	Ordinary	589	589
26-Feb-20	The Vanguard Group, Inc.	BUY	20.71	Ordinary	993	993
28-Feb-20	The Vanguard Group, Inc.	BUY	19.95	Ordinary	29,497	29,497
28-Feb-20	The Vanguard Group, Inc.	BUY	19.80	Ordinary	29,475	29,475
28-Feb-20	The Vanguard Group, Inc.	BUY	19.81	Ordinary	23,548	23,548
2-Mar-20	The Vanguard Group, Inc.	SELL	20.22	Ordinary	(4,080)	(4,080)
2-Mar-20	The Vanguard Group, Inc.	SELL	19.53	Ordinary	(591)	(591)
3-Mar-20	The Vanguard Group, Inc.	BUY	19.80	Ordinary	540	540
3-Mar-20	The Vanguard Group, Inc.	BUY	20.17	Ordinary	360	360
4-Mar-20	The Vanguard Group, Inc.	BUY	20.32	Ordinary	1,080	1,080
4-Mar-20	The Vanguard Group, Inc.	BUY	20.32	Ordinary	810	810
4-Mar-20	The Vanguard Group, Inc.	BUY	20.01	Ordinary	720	720
4-Mar-20	The Vanguard Group, Inc.	BUY	20.01	Ordinary	360	360
4-Mar-20	The Vanguard Group, Inc.	BUY	20.01	Ordinary	360	360
4-Mar-20	The Vanguard Group, Inc.	BUY	20.01	Ordinary	264	264
4-Mar-20	The Vanguard Group, Inc.	BUY	20.01	Ordinary	35	35
5-Mar-20	The Vanguard Group, Inc.	SELL	20.62	Ordinary	(50,175)	(50,175)
6-Mar-20	The Vanguard Group, Inc.	SELL	19.81	Ordinary	(3,060)	(3,060)
6-Mar-20	The Vanguard Group, Inc.	BUY	19.91	Ordinary	219	219
6-Mar-20	The Vanguard Group, Inc.	SELL	19.91	Ordinary	(35,678)	(35,678)
9-Mar-20	The Vanguard Group, Inc.	BUY	17.61	Ordinary	810	810
9-Mar-20	The Vanguard Group, Inc.	BUY	17.61	Ordinary	270	270
9-Mar-20	The Vanguard Group, Inc.	SELL	18.14	Ordinary	(8,855)	(8,855)
10-Mar-20	The Vanguard Group, Inc.	BUY	17.91	Ordinary	31,932	31,932
10-Mar-20	The Vanguard Group, Inc.	SELL	18.65	Ordinary	(2,550)	(2,550)
10-Mar-20	The Vanguard Group, Inc.	BUY	18.31	Ordinary	360	360
10-Mar-20	The Vanguard Group, Inc.	SELL	18.31	Ordinary	(5,683)	(5,683)
10-Mar-20	The Vanguard Group, Inc.	BUY	18.31	Ordinary	3,389	3,389
11-Mar-20	The Vanguard Group, Inc.	SELL	18.08	Ordinary	(1,201)	(1,201)
11-Mar-20	The Vanguard Group, Inc.	BUY	18.17	Ordinary	33,247	33,247
11-Mar-20	The Vanguard Group, Inc.	SELL	17.67	Ordinary	(1,530)	(1,530)
12-Mar-20	The Vanguard Group, Inc.	SELL	16.35	Ordinary	(5,610)	(5,610)
12-Mar-20	The Vanguard Group, Inc.	BUY	16.70	Ordinary	720	720
12-Mar-20	The Vanguard Group, Inc.	BUY	16.70	Ordinary	360	360
12-Mar-20	The Vanguard Group, Inc.	BUY	16.70	Ordinary	1,451	1,451
13-Mar-20	The Vanguard Group, Inc.	BUY	15.61	Ordinary	40,892	40,892
13-Mar-20	The Vanguard Group, Inc.	BUY	17.19	Ordinary	34,611	34,611
13-Mar-20	The Vanguard Group, Inc.	BUY	17.88	Ordinary	1,350	1,350
13-Mar-20	The Vanguard Group, Inc.	BUY	17.88	Ordinary	270	270

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13-Mar-20	The Vanguard Group, Inc.	BUY	17.19	Ordinary	219	219
13-Mar-20	The Vanguard Group, Inc.	BUY	17.19	Ordinary	12,702	12,702
13-Mar-20	The Vanguard Group, Inc.	BUY	17.19	Ordinary	178	178
21-Aug-18	Vanguard Investments Australia Ltd.	BUY	17.18	Ordinary	3,310	3,310
4-Sep-18	Vanguard Investments Australia Ltd.	BUY	16.76	Ordinary	3,641	3,641
4-Sep-18	Vanguard Investments Australia Ltd.	BUY	16.76	Ordinary	17,108	17,108
10-Sep-18	Vanguard Investments Australia Ltd.	SELL	16.59	Ordinary	(1,737)	(1,737)
10-Sep-18	Vanguard Investments Australia Ltd.	BUY	16.59	Ordinary	3,310	3,310
11-Sep-18	Vanguard Investments Australia Ltd.	SELL	16.56	Ordinary	(3,449)	(3,449)
17-Sep-18	Vanguard Investments Australia Ltd.	BUY	16.52	Ordinary	3,641	3,641
21-Sep-18	Vanguard Investments Australia Ltd.	BUY	17.07	Ordinary	6,610	6,610
21-Sep-18	Vanguard Investments Australia Ltd.	BUY	17.07	Ordinary	20,028	20,028
26-Sep-18	Vanguard Investments Australia Ltd.	BUY	17.17	Ordinary	1,968	1,968
27-Sep-18	Vanguard Investments Australia Ltd.	BUY	17.18	Ordinary	2,146	2,146
27-Sep-18	Vanguard Investments Australia Ltd.	BUY	17.18	Ordinary	6,397	6,397
27-Sep-18	Vanguard Investments Australia Ltd.	BUY	17.18	Ordinary	13,207	13,207
27-Sep-18	Vanguard Investments Australia Ltd.	BUY	17.18	Ordinary	6,978	6,978
27-Sep-18	Vanguard Investments Australia Ltd.	BUY	17.15	Ordinary	25,256	25,256
1-Oct-18	Vanguard Investments Australia Ltd.	BUY	16.95	Ordinary	2,880	2,880
8-Oct-18	Vanguard Investments Australia Ltd.	BUY	16.89	Ordinary	2,880	2,880
10-Oct-18	Vanguard Investments Australia Ltd.	SELL	16.76	Ordinary	(2,934)	(2,934)
11-Oct-18	Vanguard Investments Australia Ltd.	BUY	16.31	Ordinary	3,840	3,840
17-Oct-18	Vanguard Investments Australia Ltd.	BUY	16.67	Ordinary	5,287	5,287
17-Oct-18	Vanguard Investments Australia Ltd.	BUY	16.67	Ordinary	8,790	8,790
24-Oct-18	Vanguard Investments Australia Ltd.	BUY	16.88	Ordinary	3,840	3,840
25-Oct-18	Vanguard Investments Australia Ltd.	BUY	16.44	Ordinary	9,251	9,251
25-Oct-18	Vanguard Investments Australia Ltd.	BUY	16.44	Ordinary	4,480	4,480
26-Oct-18	Vanguard Investments Australia Ltd.	BUY	16.37	Ordinary	29,253	29,253
31-Oct-18	Vanguard Investments Australia Ltd.	BUY	17.16	Ordinary	963	963
31-Oct-18	Vanguard Investments Australia Ltd.	BUY	17.16	Ordinary	5,136	5,136
1-Nov-18	Vanguard Investments Australia Ltd.	BUY	16.65	Ordinary	642	642
2-Nov-18	Vanguard Investments Australia Ltd.	BUY	17.72	Ordinary	4,173	4,173
5-Nov-18	Vanguard Investments Australia Ltd.	BUY	17.82	Ordinary	7,259	7,259
6-Nov-18	Vanguard Investments Australia Ltd.	BUY	17.93	Ordinary	17,031	17,031
12-Nov-18	Vanguard Investments Australia Ltd.	SELL	18.37	Ordinary	(1,720)	(1,720)
12-Nov-18	Vanguard Investments Australia Ltd.	BUY	18.37	Ordinary	4,420	4,420
19-Nov-18	Vanguard Investments Australia Ltd.	SELL	17.58	Ordinary	(16,587)	(16,587)
22-Nov-18	Vanguard Investments Australia Ltd.	BUY	17.41	Ordinary	4,872	4,872
23-Nov-18	Vanguard Investments Australia Ltd.	BUY	17.50	Ordinary	14,180	14,180
29-Nov-18	Vanguard Investments Australia Ltd.	BUY	17.72	Ordinary	3,740	3,740
3-Dec-18	Vanguard Investments Australia Ltd.	BUY	17.98	Ordinary	4,420	4,420
3-Dec-18	Vanguard Investments Australia Ltd.	BUY	17.98	Ordinary	7,030	7,030
4-Dec-18	Vanguard Investments Australia Ltd.	BUY	17.80	Ordinary	65,661	65,661
11-Dec-18	Vanguard Investments Australia Ltd.	BUY	16.88	Ordinary	4,068	4,068
11-Dec-18	Vanguard Investments Australia Ltd.	BUY	16.88	Ordinary	6,780	6,780
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	17.19	Ordinary	267,135	267,135
14-Dec-18	Vanguard Investments Australia Ltd.	SELL	16.67	Ordinary	(2,034)	(2,034)
20-Dec-18	Vanguard Investments Australia Ltd.	SELL	16.92	Ordinary	(3,247)	(3,247)
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	16.59	Ordinary	11,258	11,258
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	16.59	Ordinary	3,328	3,328
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	16.59	Ordinary	2,275	2,275
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	16.59	Ordinary	11,998	11,998
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	16.59	Ordinary	6,437	6,437
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	16.59	Ordinary	15,255	15,255
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	16.59	Ordinary	25,068	25,068
27-Dec-18	Vanguard Investments Australia Ltd.	BUY	17.06	Ordinary	2,040	2,040
3-Jan-19	Vanguard Investments Australia Ltd.	BUY	17.02	Ordinary	5,425	5,425
4-Jan-19	Vanguard Investments Australia Ltd.	BUY	16.64	Ordinary	1,665	1,665
8-Jan-19	Vanguard Investments Australia Ltd.	BUY	17.27	Ordinary	3,330	3,330
11-Jan-19	Vanguard Investments Australia Ltd.	BUY	17.30	Ordinary	3,984	3,984
11-Jan-19	Vanguard Investments Australia Ltd.	BUY	17.31	Ordinary	16,538	16,538
18-Jan-19	Vanguard Investments Australia Ltd.	BUY	17.51	Ordinary	7,485	7,485
21-Jan-19	Vanguard Investments Australia Ltd.	SELL	17.47	Ordinary	(2,211)	(2,211)
29-Jan-19	Vanguard Investments Australia Ltd.	BUY	17.35	Ordinary	7,612	7,612
30-Jan-19	Vanguard Investments Australia Ltd.	BUY	17.35	Ordinary	1,320	1,320

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30-Jan-19	Vanguard Investments Australia Ltd.	BUY	17.32	Ordinary	7,636	7,636
1-Feb-19	Vanguard Investments Australia Ltd.	BUY	17.34	Ordinary	14,782	14,782
4-Feb-19	Vanguard Investments Australia Ltd.	BUY	17.35	Ordinary	6,616	6,616
5-Feb-19	Vanguard Investments Australia Ltd.	SELL	17.72	Ordinary	(23,100)	(23,100)
13-Feb-19	Vanguard Investments Australia Ltd.	BUY	18.14	Ordinary	12,414	12,414
15-Feb-19	Vanguard Investments Australia Ltd.	SELL	18.20	Ordinary	(3,338)	(3,338)
19-Feb-19	Vanguard Investments Australia Ltd.	BUY	18.14	Ordinary	3,630	3,630
25-Feb-19	Vanguard Investments Australia Ltd.	BUY	17.68	Ordinary	11,647	11,647
26-Feb-19	Vanguard Investments Australia Ltd.	SELL	17.58	Ordinary	(20,819)	(20,819)
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	17.59	Ordinary	3,300	3,300
5-Mar-19	Vanguard Investments Australia Ltd.	BUY	17.67	Ordinary	21,120	21,120
11-Mar-19	Vanguard Investments Australia Ltd.	SELL	17.85	Ordinary	(3,975)	(3,975)
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.14	Ordinary	214	214
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.15	Ordinary	9,784	9,784
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.14	Ordinary	304	304
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.15	Ordinary	13,819	13,819
15-Mar-19	Vanguard Investments Australia Ltd.	SELL	18.14	Ordinary	(2,408)	(2,408)
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.14	Ordinary	152	152
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.15	Ordinary	6,891	6,891
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.14	Ordinary	173	173
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.15	Ordinary	7,906	7,906
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.14	Ordinary	167	167
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.15	Ordinary	7,565	7,565
22-Mar-19	Vanguard Investments Australia Ltd.	BUY	18.56	Ordinary	9,701	9,701
1-Apr-19	Vanguard Investments Australia Ltd.	BUY	17.83	Ordinary	905	905
1-Apr-19	Vanguard Investments Australia Ltd.	BUY	17.83	Ordinary	23,767	23,767
1-Apr-19	Vanguard Investments Australia Ltd.	BUY	17.83	Ordinary	2,384	2,384
1-Apr-19	Vanguard Investments Australia Ltd.	SELL	17.83	Ordinary	(24,814)	(24,814)
1-Apr-19	Vanguard Investments Australia Ltd.	BUY	17.83	Ordinary	8,025	8,025
2-Apr-19	Vanguard Investments Australia Ltd.	BUY	17.86	Ordinary	3,217	3,217
2-Apr-19	Vanguard Investments Australia Ltd.	BUY	17.86	Ordinary	10,598	10,598
2-Apr-19	Vanguard Investments Australia Ltd.	BUY	17.77	Ordinary	2,233	2,233
8-Apr-19	Vanguard Investments Australia Ltd.	BUY	18.26	Ordinary	2,552	2,552
9-Apr-19	Vanguard Investments Australia Ltd.	SELL	18.24	Ordinary	(1,271)	(1,271)
9-Apr-19	Vanguard Investments Australia Ltd.	BUY	18.24	Ordinary	111,106	111,106
11-Apr-19	Vanguard Investments Australia Ltd.	BUY	18.22	Ordinary	7,848	7,848
12-Apr-19	Vanguard Investments Australia Ltd.	SELL	18.48	Ordinary	(1,283)	(1,283)
16-Apr-19	Vanguard Investments Australia Ltd.	BUY	18.65	Ordinary	19,674	19,674
30-Apr-19	Vanguard Investments Australia Ltd.	BUY	18.60	Ordinary	3,852	3,852
1-May-19	Vanguard Investments Australia Ltd.	BUY	18.62	Ordinary	246	246
1-May-19	Vanguard Investments Australia Ltd.	BUY	18.61	Ordinary	10,100	10,100
1-May-19	Vanguard Investments Australia Ltd.	BUY	18.62	Ordinary	381	381
1-May-19	Vanguard Investments Australia Ltd.	BUY	18.61	Ordinary	15,747	15,747
7-May-19	Vanguard Investments Australia Ltd.	SELL	18.67	Ordinary	(1,175)	(1,175)
10-May-19	Vanguard Investments Australia Ltd.	BUY	19.61	Ordinary	972	972
10-May-19	Vanguard Investments Australia Ltd.	BUY	19.46	Ordinary	2,889	2,889
14-May-19	Vanguard Investments Australia Ltd.	SELL	19.67	Ordinary	(2,205)	(2,205)
16-May-19	Vanguard Investments Australia Ltd.	BUY	20.24	Ordinary	10,095	10,095
17-May-19	Vanguard Investments Australia Ltd.	BUY	20.56	Ordinary	3,330	3,330
21-May-19	Vanguard Investments Australia Ltd.	BUY	20.55	Ordinary	3,330	3,330
22-May-19	Vanguard Investments Australia Ltd.	BUY	20.51	Ordinary	6,884	6,884
27-May-19	Vanguard Investments Australia Ltd.	SELL	20.55	Ordinary	(7,509)	(7,509)
28-May-19	Vanguard Investments Australia Ltd.	BUY	20.86	Ordinary	3,540	3,540
29-May-19	Vanguard Investments Australia Ltd.	SELL	20.75	Ordinary	(4,482)	(4,482)
29-May-19	Vanguard Investments Australia Ltd.	SELL	20.72	Ordinary	(7,704)	(7,704)
30-May-19	Vanguard Investments Australia Ltd.	BUY	20.44	Ordinary	19,765	19,765
3-Jun-19	Vanguard Investments Australia Ltd.	SELL	20.42	Ordinary	(6,427)	(6,427)
3-Jun-19	Vanguard Investments Australia Ltd.	SELL	20.42	Ordinary	(3,924)	(3,924)
4-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.40	Ordinary	3,540	3,540
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.45	Ordinary	4,248	4,248
7-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.53	Ordinary	16,725	16,725
12-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.93	Ordinary	12,986	12,986
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.51	Ordinary	2,832	2,832
20-Jun-19	Vanguard Investments Australia Ltd.	SELL	20.54	Ordinary	(6,273)	(6,273)
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.69	Ordinary	206	206

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.69	Ordinary	5,652	5,652
21-Jun-19	Vanguard Investments Australia Ltd.	SELL	20.69	Ordinary	(1,801)	(1,801)
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.69	Ordinary	283	283
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.69	Ordinary	7,768	7,768
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.69	Ordinary	2,124	2,124
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.69	Ordinary	701	701
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.69	Ordinary	19,244	19,244
25-Jun-19	Vanguard Investments Australia Ltd.	SELL	20.53	Ordinary	(6,550)	(6,550)
27-Jun-19	Vanguard Investments Australia Ltd.	SELL	20.47	Ordinary	(2,298)	(2,298)
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	20.47	Ordinary	2,478	2,478
2-Jul-19	Vanguard Investments Australia Ltd.	BUY	20.69	Ordinary	4,200	4,200
8-Jul-19	Vanguard Investments Australia Ltd.	BUY	20.51	Ordinary	2,100	2,100
9-Jul-19	Vanguard Investments Australia Ltd.	BUY	20.49	Ordinary	2,100	2,100
9-Jul-19	Vanguard Investments Australia Ltd.	BUY	20.49	Ordinary	7,748	7,748
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	20.49	Ordinary	1,701	1,701
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	20.49	Ordinary	2,088	2,088
15-Jul-19	Vanguard Investments Australia Ltd.	BUY	19.99	Ordinary	3,768	3,768
15-Jul-19	Vanguard Investments Australia Ltd.	BUY	19.99	Ordinary	7,279	7,279
16-Jul-19	Vanguard Investments Australia Ltd.	BUY	19.94	Ordinary	4,938	4,938
16-Jul-19	Vanguard Investments Australia Ltd.	BUY	19.91	Ordinary	4,164	4,164
16-Jul-19	Vanguard Investments Australia Ltd.	BUY	19.91	Ordinary	7,949	7,949
18-Jul-19	Vanguard Investments Australia Ltd.	SELL	19.89	Ordinary	(1,429)	(1,429)
22-Jul-19	Vanguard Investments Australia Ltd.	SELL	20.35	Ordinary	(229,419)	(229,419)
26-Jul-19	Vanguard Investments Australia Ltd.	SELL	20.44	Ordinary	(2,722)	(2,722)
30-Jul-19	Vanguard Investments Australia Ltd.	BUY	21.10	Ordinary	3,817	3,817
1-Aug-19	Vanguard Investments Australia Ltd.	SELL	21.93	Ordinary	(2,496)	(2,496)
2-Aug-19	Vanguard Investments Australia Ltd.	SELL	22.25	Ordinary	(7,580)	(7,580)
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.02	Ordinary	3,123	3,123
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.02	Ordinary	3,123	3,123
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.02	Ordinary	7,339	7,339
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.45	Ordinary	3,817	3,817
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.45	Ordinary	8,137	8,137
12-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.61	Ordinary	3,828	3,828
13-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.53	Ordinary	7,462	7,462
16-Aug-19	Vanguard Investments Australia Ltd.	BUY	20.81	Ordinary	9,313	9,313
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.15	Ordinary	7,491	7,491
22-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.23	Ordinary	7,502	7,502
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.04	Ordinary	146,865	146,865
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.18	Ordinary	6,839	6,839
30-Aug-19	Vanguard Investments Australia Ltd.	BUY	21.53	Ordinary	10,851	10,851
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	21.41	Ordinary	7,832	7,832
3-Sep-19	Vanguard Investments Australia Ltd.	BUY	21.42	Ordinary	35,391	35,391
3-Sep-19	Vanguard Investments Australia Ltd.	BUY	21.41	Ordinary	1,092	1,092
4-Sep-19	Vanguard Investments Australia Ltd.	BUY	21.31	Ordinary	6,149	6,149
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	21.68	Ordinary	12,881	12,881
6-Sep-19	Vanguard Investments Australia Ltd.	SELL	21.62	Ordinary	(3,034)	(3,034)
12-Sep-19	Vanguard Investments Australia Ltd.	BUY	22.50	Ordinary	5,771	5,771
13-Sep-19	Vanguard Investments Australia Ltd.	BUY	22.58	Ordinary	2,092	2,092
13-Sep-19	Vanguard Investments Australia Ltd.	SELL	22.58	Ordinary	(1,956)	(1,956)
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	22.66	Ordinary	6,726	6,726
20-Sep-19	Vanguard Investments Australia Ltd.	BUY	22.77	Ordinary	3,530	3,530
23-Sep-19	Vanguard Investments Australia Ltd.	BUY	22.91	Ordinary	5,295	5,295
24-Sep-19	Vanguard Investments Australia Ltd.	BUY	22.97	Ordinary	1,971	1,971
25-Sep-19	Vanguard Investments Australia Ltd.	BUY	22.85	Ordinary	4,914	4,914
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	22.92	Ordinary	4,212	4,212
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.61	Ordinary	2,398	2,398
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.61	Ordinary	13,436	13,436
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.67	Ordinary	6,593	6,593
2-Oct-19	Vanguard Investments Australia Ltd.	SELL	22.67	Ordinary	(8,328)	(8,328)
3-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.50	Ordinary	7,973	7,973
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.65	Ordinary	4,439	4,439
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.65	Ordinary	5,916	5,916
7-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.48	Ordinary	5,650	5,650
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.84	Ordinary	2,800	2,800
14-Oct-19	Vanguard Investments Australia Ltd.	BUY	23.13	Ordinary	49,818	49,818

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-19	Vanguard Investments Australia Ltd.	BUY	23.59	Ordinary	59,037	59,037
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	23.22	Ordinary	3,480	3,480
21-Oct-19	Vanguard Investments Australia Ltd.	BUY	23.27	Ordinary	4,450	4,450
22-Oct-19	Vanguard Investments Australia Ltd.	BUY	23.55	Ordinary	3,480	3,480
23-Oct-19	Vanguard Investments Australia Ltd.	BUY	23.44	Ordinary	4,246	4,246
24-Oct-19	Vanguard Investments Australia Ltd.	SELL	23.55	Ordinary	(2,604)	(2,604)
28-Oct-19	Vanguard Investments Australia Ltd.	BUY	23.42	Ordinary	3,460	3,460
29-Oct-19	Vanguard Investments Australia Ltd.	BUY	23.38	Ordinary	386	386
30-Oct-19	Vanguard Investments Australia Ltd.	BUY	23.00	Ordinary	11,939	11,939
30-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.96	Ordinary	6,848	6,848
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.90	Ordinary	5,253	5,253
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.90	Ordinary	8,304	8,304
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	22.90	Ordinary	15,451	15,451
31-Oct-19	Vanguard Investments Australia Ltd.	SELL	22.90	Ordinary	(4,152)	(4,152)
1-Nov-19	Vanguard Investments Australia Ltd.	SELL	23.73	Ordinary	(8,394)	(8,394)
1-Nov-19	Vanguard Investments Australia Ltd.	SELL	23.71	Ordinary	(46,056)	(46,056)
1-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.73	Ordinary	6,239	6,239
4-Nov-19	Vanguard Investments Australia Ltd.	SELL	23.53	Ordinary	(60,903)	(60,903)
4-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.63	Ordinary	9,020	9,020
5-Nov-19	Vanguard Investments Australia Ltd.	SELL	23.71	Ordinary	(16,240)	(16,240)
5-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.71	Ordinary	4,128	4,128
5-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.73	Ordinary	78	78
7-Nov-19	Vanguard Investments Australia Ltd.	SELL	23.99	Ordinary	(14,532)	(14,532)
11-Nov-19	Vanguard Investments Australia Ltd.	SELL	24.24	Ordinary	(2,726)	(2,726)
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	24.23	Ordinary	10,760	10,760
12-Nov-19	Vanguard Investments Australia Ltd.	SELL	23.85	Ordinary	(1,367)	(1,367)
12-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.85	Ordinary	3,619	3,619
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.63	Ordinary	1,002	1,002
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.71	Ordinary	88	88
14-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.35	Ordinary	9,945	9,945
19-Nov-19	Vanguard Investments Australia Ltd.	SELL	23.80	Ordinary	(1,059)	(1,059)
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.80	Ordinary	4,342	4,342
20-Nov-19	Vanguard Investments Australia Ltd.	SELL	23.76	Ordinary	(28,595)	(28,595)
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.76	Ordinary	2,338	2,338
21-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.64	Ordinary	7,014	7,014
22-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.69	Ordinary	12,855	12,855
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.41	Ordinary	7,152	7,152
27-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.87	Ordinary	8,497	8,497
28-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.93	Ordinary	75	75
29-Nov-19	Vanguard Investments Australia Ltd.	BUY	23.78	Ordinary	4,056	4,056
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	23.62	Ordinary	18,356	18,356
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	22.76	Ordinary	7,436	7,436
5-Dec-19	Vanguard Investments Australia Ltd.	BUY	22.96	Ordinary	5,693	5,693
6-Dec-19	Vanguard Investments Australia Ltd.	BUY	23.04	Ordinary	3,049	3,049
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	22.78	Ordinary	4,068	4,068
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	23.06	Ordinary	6,082	6,082
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	23.06	Ordinary	8,879	8,879
13-Dec-19	Vanguard Investments Australia Ltd.	BUY	22.81	Ordinary	3,360	3,360
17-Dec-19	Vanguard Investments Australia Ltd.	BUY	23.34	Ordinary	108	108
18-Dec-19	Vanguard Investments Australia Ltd.	BUY	23.32	Ordinary	4,704	4,704
18-Dec-19	Vanguard Investments Australia Ltd.	BUY	23.35	Ordinary	30,040	30,040
19-Dec-19	Vanguard Investments Australia Ltd.	BUY	23.58	Ordinary	13,606	13,606
19-Dec-19	Vanguard Investments Australia Ltd.	BUY	23.58	Ordinary	1,171	1,171
30-Dec-19	Vanguard Investments Australia Ltd.	BUY	22.82	Ordinary	2,688	2,688
31-Dec-19	Vanguard Investments Australia Ltd.	BUY	21.98	Ordinary	6,687	6,687
31-Dec-19	Vanguard Investments Australia Ltd.	BUY	21.98	Ordinary	1,675	1,675
2-Jan-20	Vanguard Investments Australia Ltd.	BUY	21.97	Ordinary	3,984	3,984
3-Jan-20	Vanguard Investments Australia Ltd.	SELL	22.18	Ordinary	(24,985)	(24,985)
7-Jan-20	Vanguard Investments Australia Ltd.	BUY	22.64	Ordinary	1,992	1,992
8-Jan-20	Vanguard Investments Australia Ltd.	BUY	22.46	Ordinary	4,980	4,980
9-Jan-20	Vanguard Investments Australia Ltd.	SELL	22.47	Ordinary	(2,664)	(2,664)
13-Jan-20	Vanguard Investments Australia Ltd.	BUY	22.61	Ordinary	4,980	4,980
15-Jan-20	Vanguard Investments Australia Ltd.	BUY	22.73	Ordinary	3,651	3,651
21-Jan-20	Vanguard Investments Australia Ltd.	BUY	23.17	Ordinary	4,980	4,980
30-Jan-20	Vanguard Investments Australia Ltd.	BUY	23.00	Ordinary	4,935	4,935

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
31-Jan-20	Vanguard Investments Australia Ltd.	BUY	22.89	Ordinary	3,674	3,674
3-Feb-20	Vanguard Investments Australia Ltd.	SELL	21.90	Ordinary	(2,132)	(2,132)
7-Feb-20	Vanguard Investments Australia Ltd.	BUY	22.23	Ordinary	3,300	3,300
10-Feb-20	Vanguard Investments Australia Ltd.	BUY	22.27	Ordinary	9,706	9,706
11-Feb-20	Vanguard Investments Australia Ltd.	BUY	22.31	Ordinary	6,620	6,620
11-Feb-20	Vanguard Investments Australia Ltd.	BUY	22.30	Ordinary	12,684	12,684
17-Feb-20	Vanguard Investments Australia Ltd.	SELL	22.51	Ordinary	(7,721)	(7,721)
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	12,196	12,196
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	19,621	19,621
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	67,201	67,201
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	7,331	7,331
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	10,348	10,348
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	7,474	7,474
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	16,776	16,776
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	152	152
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	91,127	91,127
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	876	876
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	41,860	41,860
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	97,745	97,745
20-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.19	Ordinary	228,140	228,140
26-Feb-20	Vanguard Investments Australia Ltd.	BUY	20.71	Ordinary	5,376	5,376
28-Feb-20	Vanguard Investments Australia Ltd.	SELL	19.80	Ordinary	(6,509)	(6,509)
28-Feb-20	Vanguard Investments Australia Ltd.	SELL	19.80	Ordinary	(5,351)	(5,351)
28-Feb-20	Vanguard Investments Australia Ltd.	BUY	19.80	Ordinary	5,355	5,355
2-Mar-20	Vanguard Investments Australia Ltd.	SELL	19.63	Ordinary	(5,051)	(5,051)
3-Mar-20	Vanguard Investments Australia Ltd.	BUY	20.17	Ordinary	9,639	9,639
4-Mar-20	Vanguard Investments Australia Ltd.	BUY	20.01	Ordinary	7,243	7,243
4-Mar-20	Vanguard Investments Australia Ltd.	BUY	20.01	Ordinary	6,069	6,069
4-Mar-20	Vanguard Investments Australia Ltd.	BUY	19.98	Ordinary	856	856
6-Mar-20	Vanguard Investments Australia Ltd.	SELL	19.91	Ordinary	(5,796)	(5,796)
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.14	Ordinary	12,600	12,600
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.14	Ordinary	15,748	15,748
10-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.31	Ordinary	19,655	19,655
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.12	Ordinary	2,089	2,089
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.80	Ordinary	227	227
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.80	Ordinary	7,220	7,220
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.80	Ordinary	9,025	9,025
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.70	Ordinary	6,188	6,188
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.70	Ordinary	10,920	10,920
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.70	Ordinary	39,844	39,844
13-Mar-20	Vanguard Investments Australia Ltd.	SELL	17.19	Ordinary	(3,079)	(3,079)
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.19	Ordinary	16,078	16,078
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.19	Ordinary	10,890	10,890
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.19	Ordinary	24,170	24,170
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.20	Ordinary	616	616

This is Annexure A of 14 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 18 March 2020