

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme CSR Limited
ACN/ARSN 000 001 276

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 31 March 2020

The previous notice was given to the company on 21 June 2016

The previous notice was dated 21 June 2016

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	25,309,870	5.005%	29,189,858	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 – 425,970	425,970
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 – 1,439,330	1,439,330
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 – 15,314	15,314
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 – 16,907,673	16,907,673
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 – 3,580,514	3,580,514
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 – 6,821,057	6,821,057

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 3 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	CSR Limited
ACN/ARSN	000 001 276
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
22-Jun-2016	The Vanguard Group, Inc.	BUY	3.68	Ordinary	2,235	2,235
22-Jun-2016	The Vanguard Group, Inc.	BUY	3.73	Ordinary	2,922	2,922
27-Jun-2016	The Vanguard Group, Inc.	BUY	3.66	Ordinary	2,816	2,816
29-Jun-2016	The Vanguard Group, Inc.	BUY	3.58	Ordinary	4,470	4,470
30-Jun-2016	The Vanguard Group, Inc.	BUY	3.67	Ordinary	996	996
30-Jun-2016	The Vanguard Group, Inc.	SELL	3.60	Ordinary	(1,369)	(1,369)
5-Jul-2016	The Vanguard Group, Inc.	BUY	3.71	Ordinary	3,576	3,576
6-Jul-2016	The Vanguard Group, Inc.	BUY	3.73	Ordinary	178,202	178,202
12-Jul-2016	The Vanguard Group, Inc.	BUY	3.85	Ordinary	3,155	3,155
14-Jul-2016	The Vanguard Group, Inc.	BUY	3.83	Ordinary	996	996
15-Jul-2016	The Vanguard Group, Inc.	BUY	3.85	Ordinary	2,682	2,682
15-Jul-2016	The Vanguard Group, Inc.	BUY	3.85	Ordinary	2,336	2,336
18-Jul-2016	The Vanguard Group, Inc.	BUY	3.95	Ordinary	2,524	2,524
19-Jul-2016	The Vanguard Group, Inc.	BUY	3.89	Ordinary	15,184	15,184
19-Jul-2016	The Vanguard Group, Inc.	BUY	3.91	Ordinary	1,076	1,076
19-Jul-2016	The Vanguard Group, Inc.	SELL	3.89	Ordinary	(1,069)	(1,069)
20-Jul-2016	The Vanguard Group, Inc.	BUY	3.80	Ordinary	477	477
22-Jul-2016	The Vanguard Group, Inc.	BUY	3.84	Ordinary	1,262	1,262
22-Jul-2016	The Vanguard Group, Inc.	BUY	3.84	Ordinary	5,364	5,364
22-Jul-2016	The Vanguard Group, Inc.	BUY	3.84	Ordinary	664	664
25-Jul-2016	The Vanguard Group, Inc.	BUY	3.89	Ordinary	332	332
27-Jul-2016	The Vanguard Group, Inc.	BUY	3.93	Ordinary	6,258	6,258
4-Aug-2016	The Vanguard Group, Inc.	BUY	3.76	Ordinary	3,576	3,576
4-Aug-2016	The Vanguard Group, Inc.	BUY	3.76	Ordinary	3,576	3,576
4-Aug-2016	The Vanguard Group, Inc.	BUY	3.76	Ordinary	1,318	1,318
9-Aug-2016	The Vanguard Group, Inc.	BUY	3.79	Ordinary	5,260	5,260
11-Aug-2016	The Vanguard Group, Inc.	BUY	3.73	Ordinary	1,076	1,076
15-Aug-2016	The Vanguard Group, Inc.	BUY	3.78	Ordinary	3,129	3,129
16-Aug-2016	The Vanguard Group, Inc.	BUY	3.74	Ordinary	7,152	7,152
19-Aug-2016	The Vanguard Group, Inc.	BUY	3.72	Ordinary	1,262	1,262
19-Aug-2016	The Vanguard Group, Inc.	BUY	3.72	Ordinary	1,262	1,262
23-Aug-2016	The Vanguard Group, Inc.	BUY	3.74	Ordinary	631	631
24-Aug-2016	The Vanguard Group, Inc.	BUY	3.73	Ordinary	1,254	1,254
1-Sep-2016	The Vanguard Group, Inc.	BUY	3.52	Ordinary	1,076	1,076
2-Sep-2016	The Vanguard Group, Inc.	BUY	3.43	Ordinary	2,682	2,682
7-Sep-2016	The Vanguard Group, Inc.	BUY	3.48	Ordinary	2,379	2,379
7-Sep-2016	The Vanguard Group, Inc.	BUY	3.48	Ordinary	3,867	3,867
8-Sep-2016	The Vanguard Group, Inc.	BUY	3.45	Ordinary	1,262	1,262
9-Sep-2016	The Vanguard Group, Inc.	BUY	3.47	Ordinary	1,076	1,076
16-Sep-2016	The Vanguard Group, Inc.	SELL	3.43	Ordinary	(1,457)	(1,457)
20-Sep-2016	The Vanguard Group, Inc.	BUY	3.39	Ordinary	2,682	2,682
20-Sep-2016	The Vanguard Group, Inc.	BUY	3.41	Ordinary	1,076	1,076
21-Sep-2016	The Vanguard Group, Inc.	BUY	3.45	Ordinary	4,470	4,470
27-Sep-2016	The Vanguard Group, Inc.	BUY	3.54	Ordinary	3,129	3,129
27-Sep-2016	The Vanguard Group, Inc.	BUY	3.54	Ordinary	477	477
3-Oct-2016	The Vanguard Group, Inc.	BUY	3.64	Ordinary	4,470	4,470
13-Oct-2016	The Vanguard Group, Inc.	BUY	3.71	Ordinary	2,524	2,524
13-Oct-2016	The Vanguard Group, Inc.	BUY	3.71	Ordinary	4,417	4,417
14-Oct-2016	The Vanguard Group, Inc.	BUY	3.68	Ordinary	35,311	35,311
18-Oct-2016	The Vanguard Group, Inc.	BUY	3.73	Ordinary	6,310	6,310
18-Oct-2016	The Vanguard Group, Inc.	BUY	3.73	Ordinary	3,129	3,129
18-Oct-2016	The Vanguard Group, Inc.	BUY	3.72	Ordinary	8,861	8,861
19-Oct-2016	The Vanguard Group, Inc.	BUY	3.72	Ordinary	1,893	1,893
21-Oct-2016	The Vanguard Group, Inc.	BUY	3.68	Ordinary	4,470	4,470
25-Oct-2016	The Vanguard Group, Inc.	BUY	3.70	Ordinary	7,599	7,599
27-Oct-2016	The Vanguard Group, Inc.	BUY	3.63	Ordinary	4,470	4,470
31-Oct-2016	The Vanguard Group, Inc.	SELL	3.65	Ordinary	(10,281)	(10,281)
3-Nov-2016	The Vanguard Group, Inc.	BUY	3.90	Ordinary	8,272	8,272
4-Nov-2016	The Vanguard Group, Inc.	BUY	3.88	Ordinary	3,576	3,576
7-Nov-2016	The Vanguard Group, Inc.	BUY	3.93	Ordinary	28,032	28,032
8-Nov-2016	The Vanguard Group, Inc.	BUY	3.97	Ordinary	167,658	167,658
8-Nov-2016	The Vanguard Group, Inc.	BUY	4.08	Ordinary	475	475
18-Nov-2016	The Vanguard Group, Inc.	BUY	3.98	Ordinary	1,271	1,271
21-Nov-2016	The Vanguard Group, Inc.	BUY	3.97	Ordinary	5,364	5,364
21-Nov-2016	The Vanguard Group, Inc.	BUY	3.97	Ordinary	3,576	3,576
21-Nov-2016	The Vanguard Group, Inc.	BUY	3.97	Ordinary	1,076	1,076
23-Nov-2016	The Vanguard Group, Inc.	BUY	3.99	Ordinary	4,470	4,470
30-Nov-2016	The Vanguard Group, Inc.	BUY	4.07	Ordinary	1,076	1,076
6-Dec-2016	The Vanguard Group, Inc.	BUY	4.27	Ordinary	2,682	2,682
7-Dec-2016	The Vanguard Group, Inc.	BUY	4.19	Ordinary	477	477
8-Dec-2016	The Vanguard Group, Inc.	BUY	4.32	Ordinary	4,470	4,470
8-Dec-2016	The Vanguard Group, Inc.	BUY	4.32	Ordinary	4,470	4,470
13-Dec-2016	The Vanguard Group, Inc.	BUY	4.34	Ordinary	4,470	4,470
13-Dec-2016	The Vanguard Group, Inc.	BUY	4.34	Ordinary	14,016	14,016
14-Dec-2016	The Vanguard Group, Inc.	BUY	4.36	Ordinary	3,576	3,576
15-Dec-2016	The Vanguard Group, Inc.	BUY	4.39	Ordinary	7,008	7,008
16-Dec-2016	The Vanguard Group, Inc.	BUY	4.37	Ordinary	6,705	6,705
16-Dec-2016	The Vanguard Group, Inc.	BUY	4.37	Ordinary	3,129	3,129
16-Dec-2016	The Vanguard Group, Inc.	BUY	4.38	Ordinary	1,431	1,431
20-Dec-2016	The Vanguard Group, Inc.	BUY	4.45	Ordinary	3,690	3,690
21-Dec-2016	The Vanguard Group, Inc.	BUY	4.50	Ordinary	8,856	8,856
22-Dec-2016	The Vanguard Group, Inc.	BUY	4.52	Ordinary	8,856	8,856
22-Dec-2016	The Vanguard Group, Inc.	BUY	4.52	Ordinary	1,476	1,476
23-Dec-2016	The Vanguard Group, Inc.	BUY	4.49	Ordinary	2,952	2,952
27-Dec-2016	The Vanguard Group, Inc.	BUY	4.50	Ordinary	7,380	7,380

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
29-Dec-2016	The Vanguard Group, Inc.	BUY	4.58	Ordinary	150,842	150,842
30-Dec-2016	The Vanguard Group, Inc.	BUY	4.61	Ordinary	2,952	2,952
3-Jan-2017	The Vanguard Group, Inc.	BUY	4.72	Ordinary	5,166	5,166
4-Jan-2017	The Vanguard Group, Inc.	BUY	4.66	Ordinary	7,380	7,380
5-Jan-2017	The Vanguard Group, Inc.	BUY	4.65	Ordinary	4,428	4,428
6-Jan-2017	The Vanguard Group, Inc.	SELL	4.52	Ordinary	(409)	(409)
9-Jan-2017	The Vanguard Group, Inc.	BUY	4.51	Ordinary	8,856	8,856
10-Jan-2017	The Vanguard Group, Inc.	BUY	4.40	Ordinary	4,534	4,534
12-Jan-2017	The Vanguard Group, Inc.	BUY	4.45	Ordinary	1,076	1,076
13-Jan-2017	The Vanguard Group, Inc.	BUY	4.34	Ordinary	2,214	2,214
13-Jan-2017	The Vanguard Group, Inc.	BUY	4.44	Ordinary	4,030	4,030
17-Jan-2017	The Vanguard Group, Inc.	BUY	4.32	Ordinary	5,166	5,166
1-Feb-2017	The Vanguard Group, Inc.	BUY	4.44	Ordinary	150,012	150,012
2-Feb-2017	The Vanguard Group, Inc.	BUY	4.40	Ordinary	4,018	4,018
3-Feb-2017	The Vanguard Group, Inc.	BUY	4.35	Ordinary	1,782	1,782
3-Feb-2017	The Vanguard Group, Inc.	BUY	4.35	Ordinary	7,380	7,380
3-Feb-2017	The Vanguard Group, Inc.	BUY	4.35	Ordinary	7,380	7,380
7-Feb-2017	The Vanguard Group, Inc.	BUY	4.27	Ordinary	1,397	1,397
7-Feb-2017	The Vanguard Group, Inc.	BUY	4.27	Ordinary	1,743	1,743
8-Feb-2017	The Vanguard Group, Inc.	BUY	4.36	Ordinary	5,166	5,166
8-Feb-2017	The Vanguard Group, Inc.	BUY	4.36	Ordinary	7,380	7,380
9-Feb-2017	The Vanguard Group, Inc.	BUY	4.19	Ordinary	4,752	4,752
10-Feb-2017	The Vanguard Group, Inc.	BUY	4.26	Ordinary	3,564	3,564
10-Feb-2017	The Vanguard Group, Inc.	BUY	4.26	Ordinary	8,856	8,856
10-Feb-2017	The Vanguard Group, Inc.	BUY	4.25	Ordinary	477	477
13-Feb-2017	The Vanguard Group, Inc.	BUY	4.26	Ordinary	477	477
15-Feb-2017	The Vanguard Group, Inc.	BUY	4.37	Ordinary	1,782	1,782
15-Feb-2017	The Vanguard Group, Inc.	BUY	4.37	Ordinary	1,476	1,476
22-Feb-2017	The Vanguard Group, Inc.	BUY	4.27	Ordinary	7,380	7,380
22-Feb-2017	The Vanguard Group, Inc.	BUY	4.27	Ordinary	477	477
24-Feb-2017	The Vanguard Group, Inc.	BUY	4.21	Ordinary	4,428	4,428
1-Mar-2017	The Vanguard Group, Inc.	BUY	4.20	Ordinary	1,448	1,448
3-Mar-2017	The Vanguard Group, Inc.	BUY	4.31	Ordinary	10,332	10,332
7-Mar-2017	The Vanguard Group, Inc.	BUY	4.35	Ordinary	477	477
8-Mar-2017	The Vanguard Group, Inc.	BUY	4.35	Ordinary	3,564	3,564
8-Mar-2017	The Vanguard Group, Inc.	BUY	4.35	Ordinary	2,970	2,970
8-Mar-2017	The Vanguard Group, Inc.	BUY	4.35	Ordinary	3,690	3,690
9-Mar-2017	The Vanguard Group, Inc.	BUY	4.36	Ordinary	7,380	7,380
9-Mar-2017	The Vanguard Group, Inc.	BUY	4.36	Ordinary	1,076	1,076
10-Mar-2017	The Vanguard Group, Inc.	BUY	4.57	Ordinary	7,380	7,380
10-Mar-2017	The Vanguard Group, Inc.	BUY	4.57	Ordinary	2,214	2,214
13-Mar-2017	The Vanguard Group, Inc.	BUY	4.49	Ordinary	7,380	7,380
13-Mar-2017	The Vanguard Group, Inc.	BUY	4.49	Ordinary	8,856	8,856
14-Mar-2017	The Vanguard Group, Inc.	BUY	4.45	Ordinary	7,380	7,380
14-Mar-2017	The Vanguard Group, Inc.	BUY	4.45	Ordinary	6,642	6,642
15-Mar-2017	The Vanguard Group, Inc.	BUY	4.55	Ordinary	3,564	3,564
15-Mar-2017	The Vanguard Group, Inc.	BUY	4.53	Ordinary	1,076	1,076
17-Mar-2017	The Vanguard Group, Inc.	BUY	4.51	Ordinary	3,082	3,082
17-Mar-2017	The Vanguard Group, Inc.	BUY	4.51	Ordinary	493	493
17-Mar-2017	The Vanguard Group, Inc.	BUY	4.51	Ordinary	10,315	10,315
20-Mar-2017	The Vanguard Group, Inc.	BUY	4.50	Ordinary	4,428	4,428
20-Mar-2017	The Vanguard Group, Inc.	BUY	4.46	Ordinary	3,380	3,380
20-Mar-2017	The Vanguard Group, Inc.	BUY	4.46	Ordinary	5,070	5,070
21-Mar-2017	The Vanguard Group, Inc.	BUY	4.46	Ordinary	8,450	8,450
21-Mar-2017	The Vanguard Group, Inc.	BUY	4.50	Ordinary	4,685	4,685
24-Mar-2017	The Vanguard Group, Inc.	BUY	4.37	Ordinary	477	477
29-Mar-2017	The Vanguard Group, Inc.	BUY	4.52	Ordinary	1,076	1,076
3-Apr-2017	The Vanguard Group, Inc.	BUY	4.50	Ordinary	614	614
4-Apr-2017	The Vanguard Group, Inc.	BUY	4.46	Ordinary	8,450	8,450
4-Apr-2017	The Vanguard Group, Inc.	BUY	4.46	Ordinary	5,070	5,070
5-Apr-2017	The Vanguard Group, Inc.	BUY	4.44	Ordinary	11,830	11,830
5-Apr-2017	The Vanguard Group, Inc.	BUY	4.47	Ordinary	1,595	1,595
6-Apr-2017	The Vanguard Group, Inc.	BUY	4.53	Ordinary	1,842	1,842
7-Apr-2017	The Vanguard Group, Inc.	BUY	4.53	Ordinary	17,734	17,734
12-Apr-2017	The Vanguard Group, Inc.	BUY	4.62	Ordinary	1,842	1,842
12-Apr-2017	The Vanguard Group, Inc.	BUY	4.62	Ordinary	4,225	4,225
12-Apr-2017	The Vanguard Group, Inc.	BUY	4.62	Ordinary	3,380	3,380
19-Apr-2017	The Vanguard Group, Inc.	BUY	4.50	Ordinary	146,080	146,080
19-Apr-2017	The Vanguard Group, Inc.	BUY	4.48	Ordinary	16,900	16,900
21-Apr-2017	The Vanguard Group, Inc.	BUY	4.57	Ordinary	5,070	5,070
21-Apr-2017	The Vanguard Group, Inc.	SELL	4.58	Ordinary	(477)	(477)
25-Apr-2017	The Vanguard Group, Inc.	BUY	4.58	Ordinary	3,380	3,380
25-Apr-2017	The Vanguard Group, Inc.	BUY	4.58	Ordinary	8,450	8,450
26-Apr-2017	The Vanguard Group, Inc.	BUY	4.69	Ordinary	8,552	8,552
28-Apr-2017	The Vanguard Group, Inc.	SELL	4.90	Ordinary	(477)	(477)
2-May-2017	The Vanguard Group, Inc.	BUY	5.10	Ordinary	16,900	16,900
4-May-2017	The Vanguard Group, Inc.	BUY	5.08	Ordinary	477	477
5-May-2017	The Vanguard Group, Inc.	BUY	5.08	Ordinary	1,690	1,690
5-May-2017	The Vanguard Group, Inc.	BUY	5.08	Ordinary	2,673	2,673
8-May-2017	The Vanguard Group, Inc.	BUY	5.13	Ordinary	5,526	5,526
8-May-2017	The Vanguard Group, Inc.	BUY	5.13	Ordinary	1,076	1,076
10-May-2017	The Vanguard Group, Inc.	BUY	4.57	Ordinary	4,298	4,298
10-May-2017	The Vanguard Group, Inc.	BUY	4.57	Ordinary	15,210	15,210
11-May-2017	The Vanguard Group, Inc.	SELL	4.41	Ordinary	(989)	(989)
16-May-2017	The Vanguard Group, Inc.	BUY	4.41	Ordinary	8,450	8,450
16-May-2017	The Vanguard Group, Inc.	BUY	4.41	Ordinary	5,070	5,070
16-May-2017	The Vanguard Group, Inc.	BUY	4.41	Ordinary	1,690	1,690
17-May-2017	The Vanguard Group, Inc.	BUY	4.25	Ordinary	10,140	10,140
18-May-2017	The Vanguard Group, Inc.	BUY	4.19	Ordinary	5,070	5,070
24-May-2017	The Vanguard Group, Inc.	BUY	4.28	Ordinary	2,456	2,456
24-May-2017	The Vanguard Group, Inc.	BUY	4.27	Ordinary	1,076	1,076
25-May-2017	The Vanguard Group, Inc.	BUY	4.28	Ordinary	7,276	7,276
26-May-2017	The Vanguard Group, Inc.	BUY	4.23	Ordinary	8,450	8,450

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-May-2017	The Vanguard Group, Inc.	BUY	4.23	Ordinary	477	477
31-May-2017	The Vanguard Group, Inc.	BUY	4.17	Ordinary	845	845
1-Jun-2017	The Vanguard Group, Inc.	BUY	4.08	Ordinary	11,830	11,830
1-Jun-2017	The Vanguard Group, Inc.	BUY	4.06	Ordinary	1,863	1,863
2-Jun-2017	The Vanguard Group, Inc.	BUY	4.14	Ordinary	4,912	4,912
2-Jun-2017	The Vanguard Group, Inc.	BUY	4.14	Ordinary	2,456	2,456
2-Jun-2017	The Vanguard Group, Inc.	BUY	4.14	Ordinary	1,842	1,842
5-Jun-2017	The Vanguard Group, Inc.	BUY	4.04	Ordinary	2,456	2,456
7-Jun-2017	The Vanguard Group, Inc.	BUY	3.98	Ordinary	1,076	1,076
9-Jun-2017	The Vanguard Group, Inc.	BUY	4.11	Ordinary	3,070	3,070
9-Jun-2017	The Vanguard Group, Inc.	BUY	4.11	Ordinary	18,590	18,590
12-Jun-2017	The Vanguard Group, Inc.	BUY	4.11	Ordinary	1,842	1,842
12-Jun-2017	The Vanguard Group, Inc.	BUY	4.11	Ordinary	4,298	4,298
13-Jun-2017	The Vanguard Group, Inc.	BUY	4.17	Ordinary	70,319	70,319
13-Jun-2017	The Vanguard Group, Inc.	BUY	4.17	Ordinary	781	781
16-Jun-2017	The Vanguard Group, Inc.	BUY	4.26	Ordinary	3,380	3,380
16-Jun-2017	The Vanguard Group, Inc.	BUY	4.27	Ordinary	1,904	1,904
19-Jun-2017	The Vanguard Group, Inc.	BUY	4.28	Ordinary	2,456	2,456
19-Jun-2017	The Vanguard Group, Inc.	BUY	4.28	Ordinary	11,830	11,830
20-Jun-2017	The Vanguard Group, Inc.	BUY	4.30	Ordinary	1,076	1,076
21-Jun-2017	The Vanguard Group, Inc.	BUY	4.24	Ordinary	5,828	5,828
22-Jun-2017	The Vanguard Group, Inc.	BUY	4.25	Ordinary	155,469	155,469
22-Jun-2017	The Vanguard Group, Inc.	BUY	4.23	Ordinary	4,225	4,225
27-Jun-2017	The Vanguard Group, Inc.	BUY	4.24	Ordinary	3,380	3,380
28-Jun-2017	The Vanguard Group, Inc.	BUY	4.34	Ordinary	5,070	5,070
28-Jun-2017	The Vanguard Group, Inc.	BUY	4.34	Ordinary	15,210	15,210
28-Jun-2017	The Vanguard Group, Inc.	BUY	4.34	Ordinary	15,210	15,210
3-Jul-2017	The Vanguard Group, Inc.	BUY	4.20	Ordinary	5,070	5,070
4-Jul-2017	The Vanguard Group, Inc.	BUY	4.23	Ordinary	3,228	3,228
5-Jul-2017	The Vanguard Group, Inc.	BUY	4.16	Ordinary	477	477
7-Jul-2017	The Vanguard Group, Inc.	SELL	4.17	Ordinary	(3,776)	(3,776)
7-Jul-2017	The Vanguard Group, Inc.	SELL	4.17	Ordinary	(4,621)	(4,621)
10-Jul-2017	The Vanguard Group, Inc.	BUY	4.22	Ordinary	1,076	1,076
11-Jul-2017	The Vanguard Group, Inc.	BUY	4.22	Ordinary	1,258	1,258
11-Jul-2017	The Vanguard Group, Inc.	BUY	4.22	Ordinary	5,070	5,070
12-Jul-2017	The Vanguard Group, Inc.	BUY	4.15	Ordinary	4,403	4,403
13-Jul-2017	The Vanguard Group, Inc.	BUY	4.15	Ordinary	1,076	1,076
14-Jul-2017	The Vanguard Group, Inc.	BUY	4.12	Ordinary	5,070	5,070
14-Jul-2017	The Vanguard Group, Inc.	BUY	4.12	Ordinary	16,900	16,900
17-Jul-2017	The Vanguard Group, Inc.	BUY	4.15	Ordinary	2,516	2,516
25-Jul-2017	The Vanguard Group, Inc.	BUY	3.96	Ordinary	7,605	7,605
27-Jul-2017	The Vanguard Group, Inc.	BUY	4.03	Ordinary	10,140	10,140
28-Jul-2017	The Vanguard Group, Inc.	BUY	3.97	Ordinary	5,070	5,070
1-Aug-2017	The Vanguard Group, Inc.	BUY	3.92	Ordinary	5,070	5,070
1-Aug-2017	The Vanguard Group, Inc.	BUY	3.92	Ordinary	20,280	20,280
2-Aug-2017	The Vanguard Group, Inc.	BUY	3.93	Ordinary	5,661	5,661
2-Aug-2017	The Vanguard Group, Inc.	BUY	3.94	Ordinary	1,076	1,076
3-Aug-2017	The Vanguard Group, Inc.	BUY	3.91	Ordinary	42,041	42,041
8-Aug-2017	The Vanguard Group, Inc.	BUY	3.90	Ordinary	6,760	6,760
9-Aug-2017	The Vanguard Group, Inc.	BUY	4.03	Ordinary	5,070	5,070
14-Aug-2017	The Vanguard Group, Inc.	BUY	4.08	Ordinary	1,887	1,887
16-Aug-2017	The Vanguard Group, Inc.	BUY	3.99	Ordinary	3,774	3,774
16-Aug-2017	The Vanguard Group, Inc.	BUY	3.98	Ordinary	1,076	1,076
17-Aug-2017	The Vanguard Group, Inc.	BUY	4.09	Ordinary	13,520	13,520
18-Aug-2017	The Vanguard Group, Inc.	BUY	4.16	Ordinary	5,070	5,070
18-Aug-2017	The Vanguard Group, Inc.	BUY	4.16	Ordinary	5,070	5,070
18-Aug-2017	The Vanguard Group, Inc.	BUY	4.18	Ordinary	477	477
23-Aug-2017	The Vanguard Group, Inc.	BUY	4.27	Ordinary	148,514	148,514
23-Aug-2017	The Vanguard Group, Inc.	BUY	4.19	Ordinary	10,985	10,985
24-Aug-2017	The Vanguard Group, Inc.	BUY	4.21	Ordinary	9,621	9,621
25-Aug-2017	The Vanguard Group, Inc.	BUY	4.20	Ordinary	2,516	2,516
30-Aug-2017	The Vanguard Group, Inc.	BUY	4.05	Ordinary	6,760	6,760
1-Sep-2017	The Vanguard Group, Inc.	BUY	4.13	Ordinary	1,887	1,887
5-Sep-2017	The Vanguard Group, Inc.	BUY	4.14	Ordinary	10,140	10,140
6-Sep-2017	The Vanguard Group, Inc.	BUY	4.20	Ordinary	1,258	1,258
6-Sep-2017	The Vanguard Group, Inc.	BUY	4.20	Ordinary	6,290	6,290
7-Sep-2017	The Vanguard Group, Inc.	BUY	4.18	Ordinary	362	362
7-Sep-2017	The Vanguard Group, Inc.	BUY	4.18	Ordinary	1,076	1,076
8-Sep-2017	The Vanguard Group, Inc.	BUY	4.22	Ordinary	1,784	1,784
15-Sep-2017	The Vanguard Group, Inc.	SELL	4.41	Ordinary	(44,944)	(44,944)
19-Sep-2017	The Vanguard Group, Inc.	BUY	4.52	Ordinary	10,891	10,891
25-Sep-2017	The Vanguard Group, Inc.	BUY	4.53	Ordinary	9,295	9,295
25-Sep-2017	The Vanguard Group, Inc.	BUY	4.53	Ordinary	5,070	5,070
26-Sep-2017	The Vanguard Group, Inc.	BUY	4.54	Ordinary	5,915	5,915
2-Oct-2017	The Vanguard Group, Inc.	BUY	4.80	Ordinary	11,830	11,830
2-Oct-2017	The Vanguard Group, Inc.	BUY	4.80	Ordinary	5,915	5,915
4-Oct-2017	The Vanguard Group, Inc.	BUY	4.77	Ordinary	6,760	6,760
4-Oct-2017	The Vanguard Group, Inc.	BUY	4.77	Ordinary	10,985	10,985
6-Oct-2017	The Vanguard Group, Inc.	BUY	4.70	Ordinary	3,145	3,145
6-Oct-2017	The Vanguard Group, Inc.	BUY	4.70	Ordinary	5,070	5,070
6-Oct-2017	The Vanguard Group, Inc.	BUY	4.71	Ordinary	2,095	2,095
9-Oct-2017	The Vanguard Group, Inc.	BUY	4.71	Ordinary	5,070	5,070
19-Oct-2017	The Vanguard Group, Inc.	BUY	4.87	Ordinary	11,830	11,830
25-Oct-2017	The Vanguard Group, Inc.	BUY	4.89	Ordinary	1,076	1,076
26-Oct-2017	The Vanguard Group, Inc.	BUY	4.77	Ordinary	6,760	6,760
27-Oct-2017	The Vanguard Group, Inc.	BUY	4.66	Ordinary	1,706	1,706
30-Oct-2017	The Vanguard Group, Inc.	BUY	4.82	Ordinary	9,434	9,434
1-Nov-2017	The Vanguard Group, Inc.	BUY	4.48	Ordinary	387	387
2-Nov-2017	The Vanguard Group, Inc.	BUY	4.62	Ordinary	4,225	4,225
3-Nov-2017	The Vanguard Group, Inc.	BUY	4.64	Ordinary	6,760	6,760
6-Nov-2017	The Vanguard Group, Inc.	BUY	4.56	Ordinary	5,070	5,070
9-Nov-2017	The Vanguard Group, Inc.	BUY	4.57	Ordinary	3,145	3,145
10-Nov-2017	The Vanguard Group, Inc.	BUY	4.39	Ordinary	6,919	6,919

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-Nov-2017	The Vanguard Group, Inc.	BUY	4.39	Ordinary	1,887	1,887
16-Nov-2017	The Vanguard Group, Inc.	BUY	4.44	Ordinary	3,774	3,774
29-Nov-2017	The Vanguard Group, Inc.	SELL	4.57	Ordinary	(4,807)	(4,807)
30-Nov-2017	The Vanguard Group, Inc.	BUY	4.59	Ordinary	646	646
5-Dec-2017	The Vanguard Group, Inc.	SELL	4.58	Ordinary	(2,300)	(2,300)
5-Dec-2017	The Vanguard Group, Inc.	SELL	4.65	Ordinary	(1,706)	(1,706)
6-Dec-2017	The Vanguard Group, Inc.	BUY	4.46	Ordinary	4,225	4,225
14-Dec-2017	The Vanguard Group, Inc.	BUY	4.73	Ordinary	10,140	10,140
15-Dec-2017	The Vanguard Group, Inc.	BUY	4.67	Ordinary	3,380	3,380
15-Dec-2017	The Vanguard Group, Inc.	SELL	4.64	Ordinary	(81,362)	(81,362)
18-Dec-2017	The Vanguard Group, Inc.	BUY	4.69	Ordinary	520	520
19-Dec-2017	The Vanguard Group, Inc.	BUY	4.71	Ordinary	201,089	201,089
19-Dec-2017	The Vanguard Group, Inc.	BUY	4.73	Ordinary	3,971	3,971
20-Dec-2017	The Vanguard Group, Inc.	SELL	4.69	Ordinary	(2,209)	(2,209)
21-Dec-2017	The Vanguard Group, Inc.	SELL	4.73	Ordinary	(2,572)	(2,572)
21-Dec-2017	The Vanguard Group, Inc.	BUY	4.73	Ordinary	4,900	4,900
26-Dec-2017	The Vanguard Group, Inc.	BUY	4.78	Ordinary	13,720	13,720
28-Dec-2017	The Vanguard Group, Inc.	BUY	4.78	Ordinary	2,183	2,183
29-Dec-2017	The Vanguard Group, Inc.	SELL	4.74	Ordinary	(3,858)	(3,858)
3-Jan-2018	The Vanguard Group, Inc.	BUY	4.72	Ordinary	12,454	12,454
4-Jan-2018	The Vanguard Group, Inc.	BUY	4.63	Ordinary	3,920	3,920
4-Jan-2018	The Vanguard Group, Inc.	BUY	4.61	Ordinary	1,025	1,025
5-Jan-2018	The Vanguard Group, Inc.	BUY	4.67	Ordinary	4,900	4,900
9-Jan-2018	The Vanguard Group, Inc.	BUY	4.68	Ordinary	11,760	11,760
11-Jan-2018	The Vanguard Group, Inc.	BUY	4.78	Ordinary	7,840	7,840
16-Jan-2018	The Vanguard Group, Inc.	BUY	4.77	Ordinary	5,880	5,880
16-Jan-2018	The Vanguard Group, Inc.	BUY	4.80	Ordinary	594	594
16-Jan-2018	The Vanguard Group, Inc.	BUY	4.80	Ordinary	188	188
18-Jan-2018	The Vanguard Group, Inc.	BUY	4.71	Ordinary	7,840	7,840
26-Jan-2018	The Vanguard Group, Inc.	BUY	4.91	Ordinary	5,880	5,880
30-Jan-2018	The Vanguard Group, Inc.	BUY	4.83	Ordinary	6,860	6,860
31-Jan-2018	The Vanguard Group, Inc.	BUY	4.90	Ordinary	39,450	39,450
1-Feb-2018	The Vanguard Group, Inc.	BUY	5.13	Ordinary	8,820	8,820
5-Feb-2018	The Vanguard Group, Inc.	SELL	4.91	Ordinary	(2,572)	(2,572)
5-Feb-2018	The Vanguard Group, Inc.	SELL	4.91	Ordinary	(3,215)	(3,215)
7-Feb-2018	The Vanguard Group, Inc.	BUY	5.03	Ordinary	24,081	24,081
8-Feb-2018	The Vanguard Group, Inc.	SELL	4.73	Ordinary	(1,286)	(1,286)
12-Feb-2018	The Vanguard Group, Inc.	BUY	4.93	Ordinary	188	188
13-Feb-2018	The Vanguard Group, Inc.	BUY	4.94	Ordinary	9,690	9,690
13-Feb-2018	The Vanguard Group, Inc.	BUY	4.94	Ordinary	5,814	5,814
13-Feb-2018	The Vanguard Group, Inc.	BUY	4.92	Ordinary	2,132	2,132
14-Feb-2018	The Vanguard Group, Inc.	BUY	4.81	Ordinary	863	863
15-Feb-2018	The Vanguard Group, Inc.	BUY	4.83	Ordinary	5,413	5,413
16-Feb-2018	The Vanguard Group, Inc.	BUY	4.84	Ordinary	11,628	11,628
16-Feb-2018	The Vanguard Group, Inc.	BUY	4.84	Ordinary	8,721	8,721
20-Feb-2018	The Vanguard Group, Inc.	SELL	4.91	Ordinary	(6,430)	(6,430)
21-Feb-2018	The Vanguard Group, Inc.	SELL	4.97	Ordinary	(3,215)	(3,215)
21-Feb-2018	The Vanguard Group, Inc.	SELL	4.97	Ordinary	(2,572)	(2,572)
22-Feb-2018	The Vanguard Group, Inc.	SELL	4.99	Ordinary	(14,889)	(14,889)
23-Feb-2018	The Vanguard Group, Inc.	BUY	5.06	Ordinary	1,076	1,076
26-Feb-2018	The Vanguard Group, Inc.	BUY	5.23	Ordinary	4,845	4,845
26-Feb-2018	The Vanguard Group, Inc.	BUY	5.19	Ordinary	1,076	1,076
27-Feb-2018	The Vanguard Group, Inc.	SELL	5.16	Ordinary	(6,430)	(6,430)
28-Feb-2018	The Vanguard Group, Inc.	BUY	5.17	Ordinary	188	188
1-Mar-2018	The Vanguard Group, Inc.	SELL	5.11	Ordinary	(7,073)	(7,073)
8-Mar-2018	The Vanguard Group, Inc.	BUY	5.48	Ordinary	179,212	179,212
9-Mar-2018	The Vanguard Group, Inc.	BUY	5.41	Ordinary	10,653	10,653
12-Mar-2018	The Vanguard Group, Inc.	SELL	5.45	Ordinary	(3,215)	(3,215)
14-Mar-2018	The Vanguard Group, Inc.	BUY	5.41	Ordinary	731	731
16-Mar-2018	The Vanguard Group, Inc.	SELL	5.31	Ordinary	(4,501)	(4,501)
16-Mar-2018	The Vanguard Group, Inc.	SELL	5.33	Ordinary	(15,708)	(15,708)
16-Mar-2018	The Vanguard Group, Inc.	SELL	5.31	Ordinary	(327)	(327)
20-Mar-2018	The Vanguard Group, Inc.	BUY	5.25	Ordinary	5,946	5,946
20-Mar-2018	The Vanguard Group, Inc.	BUY	5.22	Ordinary	188	188
22-Mar-2018	The Vanguard Group, Inc.	SELL	5.36	Ordinary	(310)	(310)
23-Mar-2018	The Vanguard Group, Inc.	BUY	5.09	Ordinary	9,910	9,910
23-Mar-2018	The Vanguard Group, Inc.	BUY	5.09	Ordinary	4,955	4,955
26-Mar-2018	The Vanguard Group, Inc.	BUY	5.18	Ordinary	2,973	2,973
28-Mar-2018	The Vanguard Group, Inc.	BUY	5.20	Ordinary	3,964	3,964
3-Apr-2018	The Vanguard Group, Inc.	BUY	5.13	Ordinary	23,735	23,735
5-Apr-2018	The Vanguard Group, Inc.	SELL	5.33	Ordinary	(1,926)	(1,926)
10-Apr-2018	The Vanguard Group, Inc.	BUY	5.38	Ordinary	2,188	2,188
11-Apr-2018	The Vanguard Group, Inc.	BUY	5.41	Ordinary	348	348
13-Apr-2018	The Vanguard Group, Inc.	BUY	5.30	Ordinary	18,177	18,177
13-Apr-2018	The Vanguard Group, Inc.	BUY	5.34	Ordinary	928	928
13-Apr-2018	The Vanguard Group, Inc.	BUY	5.34	Ordinary	2,154	2,154
26-Apr-2018	The Vanguard Group, Inc.	BUY	5.50	Ordinary	15,856	15,856
1-May-2018	The Vanguard Group, Inc.	SELL	5.63	Ordinary	(1,926)	(1,926)
7-May-2018	The Vanguard Group, Inc.	BUY	5.74	Ordinary	5,946	5,946
9-May-2018	The Vanguard Group, Inc.	BUY	5.43	Ordinary	14,865	14,865
11-May-2018	The Vanguard Group, Inc.	SELL	5.27	Ordinary	(928)	(928)
15-May-2018	The Vanguard Group, Inc.	BUY	5.27	Ordinary	11,892	11,892
22-May-2018	The Vanguard Group, Inc.	BUY	5.16	Ordinary	6,937	6,937
24-May-2018	The Vanguard Group, Inc.	SELL	5.17	Ordinary	(1,284)	(1,284)
24-May-2018	The Vanguard Group, Inc.	BUY	5.17	Ordinary	6,865	6,865
25-May-2018	The Vanguard Group, Inc.	BUY	5.19	Ordinary	2,973	2,973
1-Jun-2018	The Vanguard Group, Inc.	BUY	4.98	Ordinary	160,223	160,223
1-Jun-2018	The Vanguard Group, Inc.	BUY	4.98	Ordinary	4,955	4,955
25-Jun-2018	The Vanguard Group, Inc.	BUY	4.72	Ordinary	1,969	1,969
27-Jun-2018	The Vanguard Group, Inc.	SELL	4.61	Ordinary	(722)	(722)
2-Jul-2018	The Vanguard Group, Inc.	BUY	4.61	Ordinary	21,420	21,420
12-Jul-2018	The Vanguard Group, Inc.	SELL	4.50	Ordinary	(4,332)	(4,332)
17-Jul-2018	The Vanguard Group, Inc.	BUY	4.43	Ordinary	188	188

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20-Jul-2018	The Vanguard Group, Inc.	BUY	4.05	Ordinary	3,260	3,260
23-Jul-2018	The Vanguard Group, Inc.	SELL	4.03	Ordinary	(1,926)	(1,926)
25-Jul-2018	The Vanguard Group, Inc.	SELL	4.23	Ordinary	(1,284)	(1,284)
25-Jul-2018	The Vanguard Group, Inc.	SELL	4.23	Ordinary	(9,630)	(9,630)
25-Jul-2018	The Vanguard Group, Inc.	SELL	4.23	Ordinary	(1,926)	(1,926)
1-Aug-2018	The Vanguard Group, Inc.	BUY	4.28	Ordinary	168,079	168,079
2-Aug-2018	The Vanguard Group, Inc.	SELL	4.17	Ordinary	(6,420)	(6,420)
10-Aug-2018	The Vanguard Group, Inc.	SELL	4.28	Ordinary	(15,408)	(15,408)
15-Aug-2018	The Vanguard Group, Inc.	SELL	4.29	Ordinary	(7,704)	(7,704)
17-Aug-2018	The Vanguard Group, Inc.	BUY	4.30	Ordinary	165,386	165,386
21-Aug-2018	The Vanguard Group, Inc.	BUY	4.43	Ordinary	383	383
21-Aug-2018	The Vanguard Group, Inc.	BUY	4.43	Ordinary	2,743	2,743
7-Sep-2018	The Vanguard Group, Inc.	BUY	4.19	Ordinary	4,332	4,332
12-Sep-2018	The Vanguard Group, Inc.	BUY	4.07	Ordinary	6,498	6,498
18-Sep-2018	The Vanguard Group, Inc.	BUY	3.85	Ordinary	934	934
21-Sep-2018	The Vanguard Group, Inc.	BUY	3.86	Ordinary	12,335	12,335
26-Sep-2018	The Vanguard Group, Inc.	BUY	3.80	Ordinary	4,644	4,644
26-Sep-2018	The Vanguard Group, Inc.	BUY	3.80	Ordinary	11,610	11,610
26-Sep-2018	The Vanguard Group, Inc.	BUY	3.80	Ordinary	9,288	9,288
27-Sep-2018	The Vanguard Group, Inc.	SELL	3.83	Ordinary	(21,420)	(21,420)
27-Sep-2018	The Vanguard Group, Inc.	SELL	3.86	Ordinary	(4,123)	(4,123)
1-Oct-2018	The Vanguard Group, Inc.	BUY	3.75	Ordinary	6,966	6,966
2-Oct-2018	The Vanguard Group, Inc.	BUY	3.71	Ordinary	18,576	18,576
3-Oct-2018	The Vanguard Group, Inc.	BUY	3.76	Ordinary	6,966	6,966
11-Oct-2018	The Vanguard Group, Inc.	BUY	3.57	Ordinary	4,614	4,614
12-Oct-2018	The Vanguard Group, Inc.	BUY	3.68	Ordinary	4,423	4,423
12-Oct-2018	The Vanguard Group, Inc.	BUY	3.66	Ordinary	263,712	263,712
15-Oct-2018	The Vanguard Group, Inc.	BUY	3.52	Ordinary	7,690	7,690
18-Oct-2018	The Vanguard Group, Inc.	SELL	3.67	Ordinary	(188)	(188)
19-Oct-2018	The Vanguard Group, Inc.	BUY	3.65	Ordinary	4,614	4,614
19-Oct-2018	The Vanguard Group, Inc.	BUY	3.65	Ordinary	6,966	6,966
25-Oct-2018	The Vanguard Group, Inc.	BUY	3.35	Ordinary	5,805	5,805
31-Oct-2018	The Vanguard Group, Inc.	BUY	3.54	Ordinary	8,127	8,127
1-Nov-2018	The Vanguard Group, Inc.	BUY	3.60	Ordinary	11,610	11,610
2-Nov-2018	The Vanguard Group, Inc.	BUY	3.47	Ordinary	29,916	29,916
2-Nov-2018	The Vanguard Group, Inc.	BUY	3.34	Ordinary	23,077	23,077
7-Nov-2018	The Vanguard Group, Inc.	BUY	3.30	Ordinary	9,288	9,288
9-Nov-2018	The Vanguard Group, Inc.	SELL	3.18	Ordinary	(1,076)	(1,076)
12-Nov-2018	The Vanguard Group, Inc.	BUY	3.11	Ordinary	6,966	6,966
14-Nov-2018	The Vanguard Group, Inc.	BUY	3.06	Ordinary	6,966	6,966
14-Nov-2018	The Vanguard Group, Inc.	BUY	3.06	Ordinary	9,288	9,288
21-Nov-2018	The Vanguard Group, Inc.	BUY	2.91	Ordinary	9,288	9,288
28-Nov-2018	The Vanguard Group, Inc.	BUY	3.05	Ordinary	4,614	4,614
28-Nov-2018	The Vanguard Group, Inc.	BUY	3.05	Ordinary	769	769
28-Nov-2018	The Vanguard Group, Inc.	BUY	3.05	Ordinary	5,805	5,805
4-Dec-2018	The Vanguard Group, Inc.	BUY	2.92	Ordinary	9,288	9,288
7-Dec-2018	The Vanguard Group, Inc.	BUY	2.94	Ordinary	8,127	8,127
7-Dec-2018	The Vanguard Group, Inc.	BUY	2.94	Ordinary	9,288	9,288
11-Dec-2018	The Vanguard Group, Inc.	BUY	2.77	Ordinary	9,288	9,288
11-Dec-2018	The Vanguard Group, Inc.	BUY	2.77	Ordinary	6,966	6,966
12-Dec-2018	The Vanguard Group, Inc.	BUY	2.77	Ordinary	6,966	6,966
12-Dec-2018	The Vanguard Group, Inc.	BUY	2.77	Ordinary	19,737	19,737
12-Dec-2018	The Vanguard Group, Inc.	BUY	2.77	Ordinary	6,966	6,966
14-Dec-2018	The Vanguard Group, Inc.	BUY	2.68	Ordinary	6,966	6,966
14-Dec-2018	The Vanguard Group, Inc.	SELL	2.69	Ordinary	(2,384)	(2,384)
17-Dec-2018	The Vanguard Group, Inc.	BUY	2.65	Ordinary	13,932	13,932
20-Dec-2018	The Vanguard Group, Inc.	BUY	2.75	Ordinary	9,288	9,288
21-Dec-2018	The Vanguard Group, Inc.	BUY	2.71	Ordinary	1,312	1,312
17-Jan-2019	The Vanguard Group, Inc.	BUY	2.94	Ordinary	4,111	4,111
22-Jan-2019	The Vanguard Group, Inc.	BUY	3.04	Ordinary	560	560
31-Jan-2019	The Vanguard Group, Inc.	BUY	2.92	Ordinary	188	188
7-Feb-2019	The Vanguard Group, Inc.	SELL	3.11	Ordinary	(6,032)	(6,032)
27-Feb-2019	The Vanguard Group, Inc.	BUY	3.41	Ordinary	188	188
1-Mar-2019	The Vanguard Group, Inc.	BUY	3.35	Ordinary	12,530	12,530
11-Mar-2019	The Vanguard Group, Inc.	BUY	3.38	Ordinary	188	188
15-Mar-2019	The Vanguard Group, Inc.	SELL	3.31	Ordinary	(35,036)	(35,036)
15-Mar-2019	The Vanguard Group, Inc.	SELL	3.31	Ordinary	(80,481)	(80,481)
15-Mar-2019	The Vanguard Group, Inc.	SELL	3.31	Ordinary	(973)	(973)
15-Mar-2019	The Vanguard Group, Inc.	SELL	3.31	Ordinary	(2,235)	(2,235)
15-Mar-2019	The Vanguard Group, Inc.	SELL	3.31	Ordinary	(2,664)	(2,664)
15-Mar-2019	The Vanguard Group, Inc.	SELL	3.31	Ordinary	(1,161)	(1,161)
20-Mar-2019	The Vanguard Group, Inc.	BUY	3.35	Ordinary	13,201	13,201
26-Mar-2019	The Vanguard Group, Inc.	BUY	3.22	Ordinary	294,521	294,521
29-Mar-2019	The Vanguard Group, Inc.	BUY	3.32	Ordinary	188	188
4-Apr-2019	The Vanguard Group, Inc.	BUY	3.51	Ordinary	1,076	1,076
16-Apr-2019	The Vanguard Group, Inc.	BUY	3.43	Ordinary	188	188
24-Apr-2019	The Vanguard Group, Inc.	BUY	3.62	Ordinary	2,072	2,072
24-Apr-2019	The Vanguard Group, Inc.	BUY	3.63	Ordinary	3,647	3,647
26-Apr-2019	The Vanguard Group, Inc.	BUY	3.62	Ordinary	252,947	252,947
3-May-2019	The Vanguard Group, Inc.	BUY	3.45	Ordinary	1,076	1,076
6-May-2019	The Vanguard Group, Inc.	SELL	3.38	Ordinary	(4,524)	(4,524)
7-May-2019	The Vanguard Group, Inc.	BUY	3.39	Ordinary	1,076	1,076
8-May-2019	The Vanguard Group, Inc.	SELL	3.34	Ordinary	(4,524)	(4,524)
10-May-2019	The Vanguard Group, Inc.	BUY	3.33	Ordinary	1,292	1,292
14-May-2019	The Vanguard Group, Inc.	SELL	3.36	Ordinary	(4,524)	(4,524)
14-May-2019	The Vanguard Group, Inc.	BUY	3.35	Ordinary	188	188
21-May-2019	The Vanguard Group, Inc.	BUY	3.68	Ordinary	3,495	3,495
5-Jun-2019	The Vanguard Group, Inc.	SELL	3.89	Ordinary	(3,016)	(3,016)
5-Jun-2019	The Vanguard Group, Inc.	SELL	3.89	Ordinary	(6,032)	(6,032)
5-Jun-2019	The Vanguard Group, Inc.	SELL	3.87	Ordinary	(1,076)	(1,076)
6-Jun-2019	The Vanguard Group, Inc.	BUY	3.87	Ordinary	188	188
7-Jun-2019	The Vanguard Group, Inc.	BUY	3.93	Ordinary	370	370
11-Jun-2019	The Vanguard Group, Inc.	SELL	4.03	Ordinary	(3,770)	(3,770)

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
14-Jun-2019	The Vanguard Group, Inc.	SELL	3.99	Ordinary	(2,262)	(2,262)
17-Jun-2019	The Vanguard Group, Inc.	BUY	3.96	Ordinary	188	188
21-Jun-2019	The Vanguard Group, Inc.	BUY	4.02	Ordinary	46,480	46,480
21-Jun-2019	The Vanguard Group, Inc.	BUY	4.02	Ordinary	17,984	17,984
25-Jun-2019	The Vanguard Group, Inc.	SELL	4.03	Ordinary	(2,262)	(2,262)
26-Jun-2019	The Vanguard Group, Inc.	BUY	3.97	Ordinary	1,076	1,076
27-Jun-2019	The Vanguard Group, Inc.	BUY	3.94	Ordinary	90,591	90,591
27-Jun-2019	The Vanguard Group, Inc.	SELL	3.92	Ordinary	(1,307)	(1,307)
9-Jul-2019	The Vanguard Group, Inc.	BUY	4.11	Ordinary	188	188
10-Jul-2019	The Vanguard Group, Inc.	BUY	4.22	Ordinary	1,286	1,286
30-Jul-2019	The Vanguard Group, Inc.	SELL	4.28	Ordinary	(3,016)	(3,016)
30-Jul-2019	The Vanguard Group, Inc.	BUY	4.30	Ordinary	1,076	1,076
8-Aug-2019	The Vanguard Group, Inc.	SELL	4.00	Ordinary	(3,770)	(3,770)
13-Aug-2019	The Vanguard Group, Inc.	SELL	3.98	Ordinary	(5,278)	(5,278)
13-Aug-2019	The Vanguard Group, Inc.	BUY	3.97	Ordinary	215,203	215,203
14-Aug-2019	The Vanguard Group, Inc.	BUY	4.00	Ordinary	188	188
15-Aug-2019	The Vanguard Group, Inc.	SELL	3.88	Ordinary	(4,524)	(4,524)
15-Aug-2019	The Vanguard Group, Inc.	BUY	3.91	Ordinary	14,439	14,439
16-Aug-2019	The Vanguard Group, Inc.	BUY	3.93	Ordinary	6,262	6,262
19-Aug-2019	The Vanguard Group, Inc.	SELL	3.92	Ordinary	(775)	(775)
3-Sep-2019	The Vanguard Group, Inc.	BUY	3.97	Ordinary	18,646	18,646
6-Sep-2019	The Vanguard Group, Inc.	BUY	3.91	Ordinary	450	450
16-Sep-2019	The Vanguard Group, Inc.	BUY	4.23	Ordinary	2,262	2,262
20-Sep-2019	The Vanguard Group, Inc.	SELL	4.27	Ordinary	(4,316)	(4,316)
1-Oct-2019	The Vanguard Group, Inc.	BUY	4.27	Ordinary	982	982
4-Oct-2019	The Vanguard Group, Inc.	BUY	4.00	Ordinary	20,300	20,300
15-Oct-2019	The Vanguard Group, Inc.	BUY	3.97	Ordinary	1,751	1,751
15-Oct-2019	The Vanguard Group, Inc.	BUY	3.97	Ordinary	4,336	4,336
21-Oct-2019	The Vanguard Group, Inc.	SELL	4.21	Ordinary	(7,076)	(7,076)
23-Oct-2019	The Vanguard Group, Inc.	BUY	4.23	Ordinary	2,769	2,769
25-Oct-2019	The Vanguard Group, Inc.	SELL	4.09	Ordinary	(9,048)	(9,048)
25-Oct-2019	The Vanguard Group, Inc.	BUY	4.09	Ordinary	12	12
29-Oct-2019	The Vanguard Group, Inc.	BUY	4.05	Ordinary	5,383	5,383
18-Nov-2019	The Vanguard Group, Inc.	BUY	4.66	Ordinary	615	615
27-Nov-2019	The Vanguard Group, Inc.	BUY	4.72	Ordinary	205	205
27-Nov-2019	The Vanguard Group, Inc.	BUY	4.71	Ordinary	982	982
3-Dec-2019	The Vanguard Group, Inc.	BUY	4.57	Ordinary	820	820
4-Dec-2019	The Vanguard Group, Inc.	BUY	4.62	Ordinary	136	136
9-Dec-2019	The Vanguard Group, Inc.	BUY	4.72	Ordinary	3,187	3,187
11-Dec-2019	The Vanguard Group, Inc.	BUY	4.75	Ordinary	15,974	15,974
13-Dec-2019	The Vanguard Group, Inc.	BUY	4.78	Ordinary	410	410
20-Dec-2019	The Vanguard Group, Inc.	SELL	4.70	Ordinary	(52,508)	(52,508)
20-Dec-2019	The Vanguard Group, Inc.	SELL	4.70	Ordinary	(3,270)	(3,270)
23-Dec-2019	The Vanguard Group, Inc.	BUY	4.71	Ordinary	918	918
30-Dec-2019	The Vanguard Group, Inc.	BUY	4.67	Ordinary	8,946	8,946
3-Jan-2020	The Vanguard Group, Inc.	BUY	4.62	Ordinary	65,351	65,351
6-Jan-2020	The Vanguard Group, Inc.	BUY	4.55	Ordinary	1,602	1,602
9-Jan-2020	The Vanguard Group, Inc.	BUY	4.83	Ordinary	3,453	3,453
13-Jan-2020	The Vanguard Group, Inc.	BUY	4.82	Ordinary	944	944
15-Jan-2020	The Vanguard Group, Inc.	BUY	4.97	Ordinary	6,574	6,574
22-Jan-2020	The Vanguard Group, Inc.	BUY	5.05	Ordinary	944	944
30-Jan-2020	The Vanguard Group, Inc.	SELL	4.84	Ordinary	(603)	(603)
3-Feb-2020	The Vanguard Group, Inc.	BUY	4.78	Ordinary	2,832	2,832
4-Feb-2020	The Vanguard Group, Inc.	BUY	4.73	Ordinary	3,636	3,636
10-Feb-2020	The Vanguard Group, Inc.	BUY	4.88	Ordinary	944	944
12-Feb-2020	The Vanguard Group, Inc.	BUY	4.92	Ordinary	6,136	6,136
18-Feb-2020	The Vanguard Group, Inc.	BUY	4.80	Ordinary	8,843	8,843
20-Feb-2020	The Vanguard Group, Inc.	BUY	4.84	Ordinary	6,629	6,629
24-Feb-2020	The Vanguard Group, Inc.	SELL	4.50	Ordinary	(3,765)	(3,765)
25-Feb-2020	The Vanguard Group, Inc.	SELL	4.39	Ordinary	(1,506)	(1,506)
26-Feb-2020	The Vanguard Group, Inc.	BUY	4.46	Ordinary	132,271	132,271
4-Mar-2020	The Vanguard Group, Inc.	BUY	4.11	Ordinary	9,335	9,335
5-Mar-2020	The Vanguard Group, Inc.	BUY	4.10	Ordinary	87,314	87,314
11-Mar-2020	The Vanguard Group, Inc.	BUY	3.76	Ordinary	160,249	160,249
12-Mar-2020	The Vanguard Group, Inc.	BUY	3.30	Ordinary	4,961	4,961
13-Mar-2020	The Vanguard Group, Inc.	BUY	3.60	Ordinary	9,557	9,557
16-Mar-2020	The Vanguard Group, Inc.	SELL	3.15	Ordinary	(2,259)	(2,259)
16-Mar-2020	The Vanguard Group, Inc.	BUY	3.37	Ordinary	951	951
17-Mar-2020	The Vanguard Group, Inc.	SELL	3.60	Ordinary	(3,012)	(3,012)
17-Mar-2020	The Vanguard Group, Inc.	BUY	3.45	Ordinary	179,372	179,372
17-Mar-2020	The Vanguard Group, Inc.	BUY	3.54	Ordinary	12,891	12,891
19-Mar-2020	The Vanguard Group, Inc.	BUY	3.38	Ordinary	220,250	220,250
20-Mar-2020	The Vanguard Group, Inc.	SELL	3.31	Ordinary	(3,765)	(3,765)
23-Mar-2020	The Vanguard Group, Inc.	SELL	2.82	Ordinary	(3,012)	(3,012)
23-Mar-2020	The Vanguard Group, Inc.	BUY	2.82	Ordinary	948	948
26-Mar-2020	The Vanguard Group, Inc.	SELL	3.43	Ordinary	(2,259)	(2,259)
30-Mar-2020	The Vanguard Group, Inc.	BUY	3.23	Ordinary	947	947
20-Jun-2016	Vanguard Investments Australia Ltd.	BUY	3.77	Ordinary	69,156	69,156
21-Jun-2016	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	21,000	21,000
21-Jun-2016	Vanguard Investments Australia Ltd.	BUY	3.81	Ordinary	419,349	419,349
22-Jun-2016	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	406,727	406,727
23-Jun-2016	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	522,005	522,005
23-Jun-2016	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	6,735	6,735
24-Jun-2016	Vanguard Investments Australia Ltd.	BUY	3.64	Ordinary	436,270	436,270
24-Jun-2016	Vanguard Investments Australia Ltd.	BUY	3.64	Ordinary	4,490	4,490
24-Jun-2016	Vanguard Investments Australia Ltd.	BUY	3.64	Ordinary	5,837	5,837
28-Jun-2016	Vanguard Investments Australia Ltd.	SELL	3.56	Ordinary	(530)	(530)
28-Jun-2016	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	16,569	16,569
30-Jun-2016	Vanguard Investments Australia Ltd.	SELL	3.63	Ordinary	(2,953)	(2,953)
30-Jun-2016	Vanguard Investments Australia Ltd.	SELL	3.63	Ordinary	(82,812)	(82,812)
1-Jul-2016	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	21,804	21,804
4-Jul-2016	Vanguard Investments Australia Ltd.	SELL	3.72	Ordinary	(5,060)	(5,060)
6-Jul-2016	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	61,230	61,230

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6-Jul-2016	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	1,840	1,840
12-Jul-2016	Vanguard Investments Australia Ltd.	SELL	3.83	Ordinary	(40,572)	(40,572)
12-Jul-2016	Vanguard Investments Australia Ltd.	SELL	3.83	Ordinary	(24,380)	(24,380)
19-Jul-2016	Vanguard Investments Australia Ltd.	BUY	3.89	Ordinary	16,353	16,353
21-Jul-2016	Vanguard Investments Australia Ltd.	SELL	3.90	Ordinary	(5,520)	(5,520)
26-Jul-2016	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	83,054	83,054
26-Jul-2016	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	27,255	27,255
27-Jul-2016	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	21,804	21,804
27-Jul-2016	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	21,804	21,804
27-Jul-2016	Vanguard Investments Australia Ltd.	SELL	3.92	Ordinary	(4,600)	(4,600)
11-Aug-2016	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	5,756	5,756
23-Aug-2016	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	75,830	75,830
31-Aug-2016	Vanguard Investments Australia Ltd.	SELL	3.45	Ordinary	(1,554)	(1,554)
31-Aug-2016	Vanguard Investments Australia Ltd.	SELL	3.45	Ordinary	(14,390)	(14,390)
31-Aug-2016	Vanguard Investments Australia Ltd.	SELL	3.45	Ordinary	(2,760)	(2,760)
1-Sep-2016	Vanguard Investments Australia Ltd.	SELL	3.50	Ordinary	(14,360)	(14,360)
1-Sep-2016	Vanguard Investments Australia Ltd.	SELL	3.50	Ordinary	(2,760)	(2,760)
2-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.42	Ordinary	1,840	1,840
5-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	1,240	1,240
9-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.47	Ordinary	46,944	46,944
12-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.36	Ordinary	2,760	2,760
12-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.36	Ordinary	2,760	2,760
20-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.40	Ordinary	5,744	5,744
20-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.40	Ordinary	2,485	2,485
22-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.49	Ordinary	11,488	11,488
22-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.49	Ordinary	27,705	27,705
22-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.49	Ordinary	3,976	3,976
27-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	62,622	62,622
30-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	16,623	16,623
30-Sep-2016	Vanguard Investments Australia Ltd.	SELL	3.62	Ordinary	(35,994)	(35,994)
30-Sep-2016	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	2,982	2,982
5-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	85,978	85,978
6-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	39,350	39,350
10-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	4,131	4,131
14-Oct-2016	Vanguard Investments Australia Ltd.	SELL	3.72	Ordinary	(20,733)	(20,733)
19-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	21,740	21,740
20-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	2,295	2,295
24-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	42,400	42,400
24-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	4,131	4,131
25-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	5,508	5,508
28-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.66	Ordinary	41,339	41,339
28-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.66	Ordinary	209,574	209,574
28-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.66	Ordinary	8,619	8,619
28-Oct-2016	Vanguard Investments Australia Ltd.	BUY	3.66	Ordinary	4,131	4,131
31-Oct-2016	Vanguard Investments Australia Ltd.	SELL	3.66	Ordinary	(9,832)	(9,832)
2-Nov-2016	Vanguard Investments Australia Ltd.	BUY	3.91	Ordinary	2,535	2,535
4-Nov-2016	Vanguard Investments Australia Ltd.	BUY	3.89	Ordinary	4,056	4,056
8-Nov-2016	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	23,890	23,890
8-Nov-2016	Vanguard Investments Australia Ltd.	BUY	4.08	Ordinary	21,856	21,856
8-Nov-2016	Vanguard Investments Australia Ltd.	BUY	4.08	Ordinary	27,320	27,320
9-Nov-2016	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	4,563	4,563
10-Nov-2016	Vanguard Investments Australia Ltd.	BUY	4.08	Ordinary	5,070	5,070
14-Nov-2016	Vanguard Investments Australia Ltd.	SELL	3.98	Ordinary	(112,251)	(112,251)
15-Nov-2016	Vanguard Investments Australia Ltd.	BUY	4.06	Ordinary	460	460
21-Nov-2016	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	8,619	8,619
24-Nov-2016	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	91,629	91,629
30-Nov-2016	Vanguard Investments Australia Ltd.	SELL	4.07	Ordinary	(11,709)	(11,709)
1-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.20	Ordinary	(23,386)	(23,386)
6-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.26	Ordinary	(16,740)	(16,740)
8-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.19	Ordinary	(145,668)	(145,668)
12-Dec-2016	Vanguard Investments Australia Ltd.	BUY	4.30	Ordinary	1,230	1,230
13-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.31	Ordinary	(553,540)	(553,540)
14-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.35	Ordinary	(328,970)	(328,970)
15-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.37	Ordinary	(355,314)	(355,314)
16-Dec-2016	Vanguard Investments Australia Ltd.	BUY	4.38	Ordinary	52,220	52,220
16-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.37	Ordinary	(933,802)	(933,802)
19-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.31	Ordinary	(229,614)	(229,614)
20-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.44	Ordinary	(385,145)	(385,145)
29-Dec-2016	Vanguard Investments Australia Ltd.	BUY	4.61	Ordinary	4,959	4,959
30-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.62	Ordinary	(2,464)	(2,464)
30-Dec-2016	Vanguard Investments Australia Ltd.	SELL	4.62	Ordinary	(70,858)	(70,858)
3-Jan-2017	Vanguard Investments Australia Ltd.	BUY	4.71	Ordinary	12,860	12,860
5-Jan-2017	Vanguard Investments Australia Ltd.	BUY	4.65	Ordinary	5,402	5,402
23-Jan-2017	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	4,408	4,408
27-Jan-2017	Vanguard Investments Australia Ltd.	BUY	4.51	Ordinary	5,402	5,402
27-Jan-2017	Vanguard Investments Australia Ltd.	BUY	4.51	Ordinary	3,857	3,857
31-Jan-2017	Vanguard Investments Australia Ltd.	BUY	4.41	Ordinary	54,490	54,490
31-Jan-2017	Vanguard Investments Australia Ltd.	BUY	4.41	Ordinary	3,857	3,857
1-Feb-2017	Vanguard Investments Australia Ltd.	SELL	4.44	Ordinary	(249,427)	(249,427)
2-Feb-2017	Vanguard Investments Australia Ltd.	SELL	4.36	Ordinary	(66,120)	(66,120)
8-Feb-2017	Vanguard Investments Australia Ltd.	BUY	4.36	Ordinary	16,075	16,075
9-Feb-2017	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	4,959	4,959
15-Feb-2017	Vanguard Investments Australia Ltd.	BUY	4.36	Ordinary	5,402	5,402
20-Feb-2017	Vanguard Investments Australia Ltd.	SELL	4.24	Ordinary	(58,124)	(58,124)
21-Feb-2017	Vanguard Investments Australia Ltd.	SELL	4.23	Ordinary	(58,671)	(58,671)
22-Feb-2017	Vanguard Investments Australia Ltd.	SELL	4.25	Ordinary	(54,160)	(54,160)
24-Feb-2017	Vanguard Investments Australia Ltd.	BUY	4.21	Ordinary	8,133	8,133
28-Feb-2017	Vanguard Investments Australia Ltd.	SELL	4.19	Ordinary	(102,812)	(102,812)
28-Feb-2017	Vanguard Investments Australia Ltd.	SELL	4.18	Ordinary	(1,490)	(1,490)
2-Mar-2017	Vanguard Investments Australia Ltd.	BUY	4.36	Ordinary	61,120	61,120
2-Mar-2017	Vanguard Investments Australia Ltd.	BUY	4.36	Ordinary	19,422	19,422
6-Mar-2017	Vanguard Investments Australia Ltd.	BUY	4.34	Ordinary	2,755	2,755
15-Mar-2017	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	3,857	3,857

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21-Mar-2017	Vanguard Investments Australia Ltd.	BUY	4.50	Ordinary	5,378	5,378
23-Mar-2017	Vanguard Investments Australia Ltd.	BUY	4.38	Ordinary	4,518	4,518
27-Mar-2017	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	4,737	4,737
28-Mar-2017	Vanguard Investments Australia Ltd.	BUY	4.46	Ordinary	110,127	110,127
3-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.51	Ordinary	1,130	1,130
3-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.51	Ordinary	18,835	18,835
4-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.45	Ordinary	46,463	46,463
4-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.45	Ordinary	4,810	4,810
4-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.45	Ordinary	28,273	28,273
5-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.46	Ordinary	7,220	7,220
5-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.46	Ordinary	2,510	2,510
6-Apr-2017	Vanguard Investments Australia Ltd.	SELL	4.52	Ordinary	(190,942)	(190,942)
10-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.57	Ordinary	19,302	19,302
10-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.54	Ordinary	44,760	44,760
19-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	4,016	4,016
20-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.57	Ordinary	8,085	8,085
27-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.70	Ordinary	4,518	4,518
28-Apr-2017	Vanguard Investments Australia Ltd.	BUY	4.90	Ordinary	2,008	2,008
1-May-2017	Vanguard Investments Australia Ltd.	SELL	5.07	Ordinary	(898)	(898)
1-May-2017	Vanguard Investments Australia Ltd.	BUY	5.09	Ordinary	169,174	169,174
2-May-2017	Vanguard Investments Australia Ltd.	BUY	5.10	Ordinary	40,442	40,442
4-May-2017	Vanguard Investments Australia Ltd.	BUY	5.08	Ordinary	6,686	6,686
9-May-2017	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	5,020	5,020
10-May-2017	Vanguard Investments Australia Ltd.	BUY	4.56	Ordinary	16,715	16,715
15-May-2017	Vanguard Investments Australia Ltd.	BUY	4.29	Ordinary	19,240	19,240
15-May-2017	Vanguard Investments Australia Ltd.	BUY	4.29	Ordinary	10,029	10,029
15-May-2017	Vanguard Investments Australia Ltd.	BUY	4.29	Ordinary	3,514	3,514
17-May-2017	Vanguard Investments Australia Ltd.	BUY	4.28	Ordinary	23,179	23,179
18-May-2017	Vanguard Investments Australia Ltd.	BUY	4.19	Ordinary	3,514	3,514
19-May-2017	Vanguard Investments Australia Ltd.	BUY	4.21	Ordinary	20,160	20,160
23-May-2017	Vanguard Investments Australia Ltd.	SELL	4.19	Ordinary	(12,284)	(12,284)
26-May-2017	Vanguard Investments Australia Ltd.	BUY	4.23	Ordinary	8,025	8,025
29-May-2017	Vanguard Investments Australia Ltd.	BUY	4.19	Ordinary	6,720	6,720
31-May-2017	Vanguard Investments Australia Ltd.	BUY	4.17	Ordinary	2,063	2,063
1-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.06	Ordinary	26,893	26,893
2-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.14	Ordinary	20,160	20,160
5-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.04	Ordinary	6,720	6,720
6-Jun-2017	Vanguard Investments Australia Ltd.	SELL	3.95	Ordinary	(7,577)	(7,577)
6-Jun-2017	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	5,020	5,020
8-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.11	Ordinary	20,160	20,160
8-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.11	Ordinary	7,530	7,530
13-Jun-2017	Vanguard Investments Australia Ltd.	SELL	4.18	Ordinary	(581)	(581)
13-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	10,080	10,080
13-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	20,160	20,160
15-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.22	Ordinary	20,160	20,160
16-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.27	Ordinary	6,211	6,211
16-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.27	Ordinary	179,781	179,781
16-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.27	Ordinary	7,028	7,028
16-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.27	Ordinary	24,234	24,234
19-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.26	Ordinary	195,039	195,039
20-Jun-2017	Vanguard Investments Australia Ltd.	SELL	4.31	Ordinary	(4,960)	(4,960)
20-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.31	Ordinary	2,862	2,862
22-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.23	Ordinary	4,770	4,770
23-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.30	Ordinary	8,079	8,079
23-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.30	Ordinary	25,704	25,704
27-Jun-2017	Vanguard Investments Australia Ltd.	SELL	4.26	Ordinary	(2,193)	(2,193)
27-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.26	Ordinary	4,293	4,293
29-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.39	Ordinary	3,645	3,645
29-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.39	Ordinary	22,032	22,032
30-Jun-2017	Vanguard Investments Australia Ltd.	SELL	4.23	Ordinary	(3,577)	(3,577)
30-Jun-2017	Vanguard Investments Australia Ltd.	SELL	4.23	Ordinary	(39,828)	(39,828)
30-Jun-2017	Vanguard Investments Australia Ltd.	BUY	4.23	Ordinary	4,770	4,770
3-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.20	Ordinary	4,770	4,770
4-Jul-2017	Vanguard Investments Australia Ltd.	SELL	4.21	Ordinary	(54,235)	(54,235)
4-Jul-2017	Vanguard Investments Australia Ltd.	SELL	4.24	Ordinary	(1,524)	(1,524)
5-Jul-2017	Vanguard Investments Australia Ltd.	SELL	4.16	Ordinary	(54,085)	(54,085)
6-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.23	Ordinary	66,215	66,215
6-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.23	Ordinary	25,060	25,060
10-Jul-2017	Vanguard Investments Australia Ltd.	SELL	4.20	Ordinary	(55,852)	(55,852)
10-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.20	Ordinary	5,724	5,724
11-Jul-2017	Vanguard Investments Australia Ltd.	SELL	4.23	Ordinary	(54,680)	(54,680)
12-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.13	Ordinary	10,476	10,476
12-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.13	Ordinary	25,060	25,060
12-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.13	Ordinary	3,339	3,339
13-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.15	Ordinary	67,183	67,183
13-Jul-2017	Vanguard Investments Australia Ltd.	SELL	4.15	Ordinary	(41,359)	(41,359)
18-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.06	Ordinary	25,060	25,060
18-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.06	Ordinary	3,339	3,339
19-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.17	Ordinary	33,787	33,787
20-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	61,727	61,727
21-Jul-2017	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	14,382	14,382
24-Jul-2017	Vanguard Investments Australia Ltd.	BUY	3.94	Ordinary	6,678	6,678
25-Jul-2017	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	25,060	25,060
27-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.03	Ordinary	10,740	10,740
27-Jul-2017	Vanguard Investments Australia Ltd.	BUY	4.03	Ordinary	38,930	38,930
28-Jul-2017	Vanguard Investments Australia Ltd.	SELL	3.96	Ordinary	(14,506)	(14,506)
28-Jul-2017	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	7,857	7,857
31-Jul-2017	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	3,816	3,816
3-Aug-2017	Vanguard Investments Australia Ltd.	BUY	3.91	Ordinary	5,247	5,247
7-Aug-2017	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	14,320	14,320
8-Aug-2017	Vanguard Investments Australia Ltd.	BUY	3.90	Ordinary	1,562	1,562
11-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	25,060	25,060
11-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	10,740	10,740

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-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	6,678	6,678
14-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.06	Ordinary	13,416	13,416
15-Aug-2017	Vanguard Investments Australia Ltd.	BUY	3.99	Ordinary	10,540	10,540
17-Aug-2017	Vanguard Investments Australia Ltd.	SELL	4.14	Ordinary	(73,794)	(73,794)
17-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.14	Ordinary	10,830	10,830
22-Aug-2017	Vanguard Investments Australia Ltd.	SELL	4.25	Ordinary	(74,113)	(74,113)
22-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.25	Ordinary	11,096	11,096
22-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.25	Ordinary	12,215	12,215
23-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.20	Ordinary	3,339	3,339
23-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.20	Ordinary	3,816	3,816
25-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.20	Ordinary	18,050	18,050
28-Aug-2017	Vanguard Investments Australia Ltd.	SELL	4.16	Ordinary	(74,467)	(74,467)
29-Aug-2017	Vanguard Investments Australia Ltd.	SELL	4.07	Ordinary	(73,143)	(73,143)
29-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	14,440	14,440
30-Aug-2017	Vanguard Investments Australia Ltd.	SELL	4.04	Ordinary	(72,349)	(72,349)
31-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.04	Ordinary	1,033	1,033
31-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.08	Ordinary	36,068	36,068
31-Aug-2017	Vanguard Investments Australia Ltd.	BUY	4.04	Ordinary	3,816	3,816
5-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	21,840	21,840
5-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	35,872	35,872
7-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	34,583	34,583
8-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.22	Ordinary	14,560	14,560
8-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.22	Ordinary	5,247	5,247
11-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.28	Ordinary	1,256	1,256
11-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.28	Ordinary	14,617	14,617
14-Sep-2017	Vanguard Investments Australia Ltd.	SELL	4.35	Ordinary	(1,325)	(1,325)
15-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.41	Ordinary	24,193	24,193
18-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.41	Ordinary	21,810	21,810
21-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.50	Ordinary	20,750	20,750
21-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.50	Ordinary	6,300	6,300
22-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.52	Ordinary	25,445	25,445
26-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	15,300	15,300
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.57	Ordinary	32,624	32,624
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.57	Ordinary	25,678	25,678
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.57	Ordinary	4,710	4,710
27-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.57	Ordinary	21,055	21,055
28-Sep-2017	Vanguard Investments Australia Ltd.	BUY	4.68	Ordinary	68,400	68,400
29-Sep-2017	Vanguard Investments Australia Ltd.	SELL	4.73	Ordinary	(54,546)	(54,546)
2-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.79	Ordinary	10,677	10,677
3-Oct-2017	Vanguard Investments Australia Ltd.	SELL	4.74	Ordinary	(13,190)	(13,190)
4-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.76	Ordinary	39,149	39,149
4-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.76	Ordinary	4,660	4,660
6-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.73	Ordinary	22,874	22,874
9-Oct-2017	Vanguard Investments Australia Ltd.	SELL	4.72	Ordinary	(73,557)	(73,557)
9-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.72	Ordinary	13,481	13,481
9-Oct-2017	Vanguard Investments Australia Ltd.	SELL	4.72	Ordinary	(13,481)	(13,481)
10-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.67	Ordinary	10,532	10,532
11-Oct-2017	Vanguard Investments Australia Ltd.	SELL	4.66	Ordinary	(72,015)	(72,015)
11-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.66	Ordinary	1,790	1,790
16-Oct-2017	Vanguard Investments Australia Ltd.	SELL	4.72	Ordinary	(72,668)	(72,668)
18-Oct-2017	Vanguard Investments Australia Ltd.	SELL	4.84	Ordinary	(52,955)	(52,955)
18-Oct-2017	Vanguard Investments Australia Ltd.	SELL	4.84	Ordinary	(1,185)	(1,185)
18-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.84	Ordinary	21,354	21,354
18-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.84	Ordinary	57,189	57,189
25-Oct-2017	Vanguard Investments Australia Ltd.	SELL	4.89	Ordinary	(174,790)	(174,790)
25-Oct-2017	Vanguard Investments Australia Ltd.	SELL	4.89	Ordinary	(1,189)	(1,189)
27-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.66	Ordinary	2,796	2,796
31-Oct-2017	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	28,472	28,472
7-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.61	Ordinary	7,899	7,899
7-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.61	Ordinary	4,194	4,194
13-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.42	Ordinary	27,033	27,033
14-Nov-2017	Vanguard Investments Australia Ltd.	SELL	4.41	Ordinary	(3,736)	(3,736)
14-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.41	Ordinary	25,130	25,130
16-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.41	Ordinary	33,320	33,320
16-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.41	Ordinary	4,194	4,194
20-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.42	Ordinary	10,624	10,624
22-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	10,770	10,770
22-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	4,660	4,660
24-Nov-2017	Vanguard Investments Australia Ltd.	SELL	4.51	Ordinary	(14,007)	(14,007)
24-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.51	Ordinary	27,808	27,808
24-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.51	Ordinary	14,360	14,360
24-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.51	Ordinary	6,058	6,058
28-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	14,360	14,360
29-Nov-2017	Vanguard Investments Australia Ltd.	BUY	4.54	Ordinary	14,122	14,122
30-Nov-2017	Vanguard Investments Australia Ltd.	SELL	4.59	Ordinary	(12,672)	(12,672)
1-Dec-2017	Vanguard Investments Australia Ltd.	SELL	4.65	Ordinary	(6,285)	(6,285)
1-Dec-2017	Vanguard Investments Australia Ltd.	BUY	4.65	Ordinary	10,160	10,160
5-Dec-2017	Vanguard Investments Australia Ltd.	SELL	4.58	Ordinary	(10,252)	(10,252)
11-Dec-2017	Vanguard Investments Australia Ltd.	SELL	4.82	Ordinary	(1,398)	(1,398)
12-Dec-2017	Vanguard Investments Australia Ltd.	SELL	4.78	Ordinary	(7,397)	(7,397)
12-Dec-2017	Vanguard Investments Australia Ltd.	BUY	4.78	Ordinary	10,770	10,770
14-Dec-2017	Vanguard Investments Australia Ltd.	BUY	4.75	Ordinary	2,330	2,330
15-Dec-2017	Vanguard Investments Australia Ltd.	BUY	4.64	Ordinary	17,340	17,340
15-Dec-2017	Vanguard Investments Australia Ltd.	SELL	4.66	Ordinary	(318,002)	(318,002)
18-Dec-2017	Vanguard Investments Australia Ltd.	SELL	4.69	Ordinary	(40,547)	(40,547)
19-Dec-2017	Vanguard Investments Australia Ltd.	BUY	4.73	Ordinary	12,900	12,900
19-Dec-2017	Vanguard Investments Australia Ltd.	SELL	4.71	Ordinary	(235,359)	(235,359)
20-Dec-2017	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	12,615	12,615
20-Dec-2017	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	4,239	4,239
21-Dec-2017	Vanguard Investments Australia Ltd.	BUY	4.72	Ordinary	12,900	12,900
27-Dec-2017	Vanguard Investments Australia Ltd.	BUY	4.68	Ordinary	9,675	9,675
29-Dec-2017	Vanguard Investments Australia Ltd.	SELL	4.76	Ordinary	(2,632)	(2,632)
4-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.61	Ordinary	7,503	7,503

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
4-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.61	Ordinary	15,980	15,980
4-Jan-2018	Vanguard Investments Australia Ltd.	SELL	4.64	Ordinary	(26,174)	(26,174)
10-Jan-2018	Vanguard Investments Australia Ltd.	SELL	4.69	Ordinary	(6,123)	(6,123)
12-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.68	Ordinary	9,588	9,588
16-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.80	Ordinary	30,630	30,630
16-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.80	Ordinary	4,710	4,710
18-Jan-2018	Vanguard Investments Australia Ltd.	SELL	4.72	Ordinary	(13,651)	(13,651)
19-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	29,542	29,542
23-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.79	Ordinary	14,976	14,976
24-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.81	Ordinary	15,006	15,006
24-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.81	Ordinary	3,297	3,297
25-Jan-2018	Vanguard Investments Australia Ltd.	SELL	4.86	Ordinary	(17,584)	(17,584)
25-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.86	Ordinary	26,792	26,792
29-Jan-2018	Vanguard Investments Australia Ltd.	BUY	4.87	Ordinary	2,826	2,826
1-Feb-2018	Vanguard Investments Australia Ltd.	BUY	5.14	Ordinary	9,588	9,588
1-Feb-2018	Vanguard Investments Australia Ltd.	SELL	5.14	Ordinary	(35,796)	(35,796)
6-Feb-2018	Vanguard Investments Australia Ltd.	BUY	4.94	Ordinary	9,588	9,588
6-Feb-2018	Vanguard Investments Australia Ltd.	BUY	4.94	Ordinary	2,826	2,826
8-Feb-2018	Vanguard Investments Australia Ltd.	BUY	4.88	Ordinary	9,588	9,588
9-Feb-2018	Vanguard Investments Australia Ltd.	BUY	4.80	Ordinary	5,652	5,652
12-Feb-2018	Vanguard Investments Australia Ltd.	BUY	4.93	Ordinary	24,183	24,183
14-Feb-2018	Vanguard Investments Australia Ltd.	BUY	4.81	Ordinary	12,784	12,784
20-Feb-2018	Vanguard Investments Australia Ltd.	BUY	4.93	Ordinary	6,144	6,144
23-Feb-2018	Vanguard Investments Australia Ltd.	SELL	5.06	Ordinary	(7,683)	(7,683)
26-Feb-2018	Vanguard Investments Australia Ltd.	BUY	5.19	Ordinary	12,876	12,876
28-Feb-2018	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	5,053	5,053
1-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.15	Ordinary	4,878	4,878
2-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.19	Ordinary	16,210	16,210
7-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.42	Ordinary	6,484	6,484
9-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.41	Ordinary	16,210	16,210
13-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.45	Ordinary	2,710	2,710
15-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.35	Ordinary	7,560	7,560
15-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.35	Ordinary	3,305	3,305
20-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.26	Ordinary	37,289	37,289
21-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.29	Ordinary	3,174	3,174
22-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.36	Ordinary	6,484	6,484
22-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.36	Ordinary	9,726	9,726
23-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.14	Ordinary	12,968	12,968
26-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.13	Ordinary	10,084	10,084
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.28	Ordinary	20,416	20,416
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.26	Ordinary	5,819	5,819
28-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.21	Ordinary	6,484	6,484
29-Mar-2018	Vanguard Investments Australia Ltd.	BUY	5.18	Ordinary	12,968	12,968
29-Mar-2018	Vanguard Investments Australia Ltd.	SELL	5.18	Ordinary	(38,742)	(38,742)
3-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.10	Ordinary	22,562	22,562
5-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.32	Ordinary	9,552	9,552
5-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.32	Ordinary	6,240	6,240
10-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.38	Ordinary	23,895	23,895
11-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.41	Ordinary	9,552	9,552
12-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.35	Ordinary	9,300	9,300
12-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.35	Ordinary	18,292	18,292
19-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.61	Ordinary	6,240	6,240
20-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.54	Ordinary	7,563	7,563
24-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.47	Ordinary	5,042	5,042
27-Apr-2018	Vanguard Investments Australia Ltd.	BUY	5.61	Ordinary	22,130	22,130
2-May-2018	Vanguard Investments Australia Ltd.	BUY	5.73	Ordinary	12,605	12,605
4-May-2018	Vanguard Investments Australia Ltd.	BUY	5.74	Ordinary	3,120	3,120
17-May-2018	Vanguard Investments Australia Ltd.	BUY	5.26	Ordinary	7,563	7,563
17-May-2018	Vanguard Investments Australia Ltd.	BUY	5.26	Ordinary	27,520	27,520
18-May-2018	Vanguard Investments Australia Ltd.	BUY	5.31	Ordinary	4,102	4,102
22-May-2018	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	4,688	4,688
23-May-2018	Vanguard Investments Australia Ltd.	SELL	5.20	Ordinary	(18,073)	(18,073)
23-May-2018	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	5,075	5,075
24-May-2018	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	16,035	16,035
24-May-2018	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	6,414	6,414
25-May-2018	Vanguard Investments Australia Ltd.	SELL	5.20	Ordinary	(5,062)	(5,062)
31-May-2018	Vanguard Investments Australia Ltd.	SELL	5.02	Ordinary	(15,368)	(15,368)
31-May-2018	Vanguard Investments Australia Ltd.	BUY	5.02	Ordinary	4,102	4,102
1-Jun-2018	Vanguard Investments Australia Ltd.	BUY	4.96	Ordinary	15,296	15,296
4-Jun-2018	Vanguard Investments Australia Ltd.	BUY	4.94	Ordinary	12,105	12,105
5-Jun-2018	Vanguard Investments Australia Ltd.	BUY	4.91	Ordinary	6,414	6,414
8-Jun-2018	Vanguard Investments Australia Ltd.	BUY	5.10	Ordinary	4,102	4,102
12-Jun-2018	Vanguard Investments Australia Ltd.	BUY	4.91	Ordinary	12,828	12,828
12-Jun-2018	Vanguard Investments Australia Ltd.	SELL	4.90	Ordinary	(552,295)	(552,295)
13-Jun-2018	Vanguard Investments Australia Ltd.	SELL	4.80	Ordinary	(233,301)	(233,301)
14-Jun-2018	Vanguard Investments Australia Ltd.	SELL	4.79	Ordinary	(290,503)	(290,503)
14-Jun-2018	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	5,860	5,860
15-Jun-2018	Vanguard Investments Australia Ltd.	SELL	4.72	Ordinary	(1,044,794)	(1,044,794)
15-Jun-2018	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	24,843	24,843
18-Jun-2018	Vanguard Investments Australia Ltd.	SELL	4.74	Ordinary	(444,026)	(444,026)
19-Jun-2018	Vanguard Investments Australia Ltd.	SELL	4.78	Ordinary	(112,880)	(112,880)
25-Jun-2018	Vanguard Investments Australia Ltd.	BUY	4.72	Ordinary	9,684	9,684
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	4.59	Ordinary	(3,944)	(3,944)
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	4.59	Ordinary	(12,474)	(12,474)
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	4.59	Ordinary	(25,658)	(25,658)
3-Jul-2018	Vanguard Investments Australia Ltd.	BUY	4.61	Ordinary	26,405	26,405
5-Jul-2018	Vanguard Investments Australia Ltd.	BUY	4.55	Ordinary	33,152	33,152
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	14,979	14,979
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	4.54	Ordinary	5,049	5,049
9-Jul-2018	Vanguard Investments Australia Ltd.	BUY	4.46	Ordinary	7,194	7,194
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	3,366	3,366
20-Jul-2018	Vanguard Investments Australia Ltd.	SELL	4.05	Ordinary	(45,342)	(45,342)
20-Jul-2018	Vanguard Investments Australia Ltd.	BUY	4.05	Ordinary	6,171	6,171

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
23-Jul-2018	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	7,194	7,194
2-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.15	Ordinary	9,592	9,592
2-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.15	Ordinary	5,400	5,400
3-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.17	Ordinary	30,046	30,046
13-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.20	Ordinary	9,592	9,592
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.30	Ordinary	3,384	3,384
20-Aug-2018	Vanguard Investments Australia Ltd.	SELL	4.41	Ordinary	(8,080)	(8,080)
21-Aug-2018	Vanguard Investments Australia Ltd.	SELL	4.43	Ordinary	(8,376)	(8,376)
21-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.43	Ordinary	5,270	5,270
27-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.28	Ordinary	15,025	15,025
28-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.33	Ordinary	88,692	88,692
29-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.35	Ordinary	23,243	23,243
30-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.31	Ordinary	7,200	7,200
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	4.31	Ordinary	7,200	7,200
3-Sep-2018	Vanguard Investments Australia Ltd.	SELL	4.25	Ordinary	(35,007)	(35,007)
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	4.22	Ordinary	6,204	6,204
7-Sep-2018	Vanguard Investments Australia Ltd.	BUY	4.19	Ordinary	23,644	23,644
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	5,650	5,650
13-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	5,142	5,142
17-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	5,786	5,786
18-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	7,257	7,257
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.86	Ordinary	4,929	4,929
26-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.81	Ordinary	3,264	3,264
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	28,829	28,829
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	36,187	36,187
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	31,446	31,446
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.86	Ordinary	41,888	41,888
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	3.77	Ordinary	(7,257)	(7,257)
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	3.77	Ordinary	(44,300)	(44,300)
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	7,980	7,980
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	5,013	5,013
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	7,257	7,257
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	5,013	5,013
9-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	4,788	4,788
11-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.59	Ordinary	6,684	6,684
12-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	4,788	4,788
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	4,788	4,788
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	9,469	9,469
18-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	5,697	5,697
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	7,257	7,257
23-Oct-2018	Vanguard Investments Australia Ltd.	SELL	3.44	Ordinary	(6,901)	(6,901)
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	4,788	4,788
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	6,384	6,384
24-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.48	Ordinary	6,192	6,192
25-Oct-2018	Vanguard Investments Australia Ltd.	SELL	3.32	Ordinary	(13,306)	(13,306)
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	4,838	4,838
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	6,384	6,384
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	7,224	7,224
29-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.46	Ordinary	6,384	6,384
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.53	Ordinary	7,920	7,920
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.53	Ordinary	1,485	1,485
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.59	Ordinary	990	990
2-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.34	Ordinary	6,435	6,435
6-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	39,151	39,151
12-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.15	Ordinary	7,007	7,007
13-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.09	Ordinary	7,257	7,257
19-Nov-2018	Vanguard Investments Australia Ltd.	SELL	2.98	Ordinary	(19,619)	(19,619)
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	2.91	Ordinary	4,815	4,815
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	2.91	Ordinary	4,815	4,815
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	2.91	Ordinary	7,546	7,546
27-Nov-2018	Vanguard Investments Australia Ltd.	BUY	2.96	Ordinary	7,254	7,254
29-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.12	Ordinary	5,951	5,951
30-Nov-2018	Vanguard Investments Australia Ltd.	SELL	3.00	Ordinary	(13,373)	(13,373)
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.05	Ordinary	7,033	7,033
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.95	Ordinary	88,083	88,083
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.95	Ordinary	91,387	91,387
6-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.99	Ordinary	10,348	10,348
6-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.99	Ordinary	4,830	4,830
10-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.77	Ordinary	6,440	6,440
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.76	Ordinary	4,830	4,830
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.76	Ordinary	10,540	10,540
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.76	Ordinary	6,324	6,324
12-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.77	Ordinary	364,248	364,248
14-Dec-2018	Vanguard Investments Australia Ltd.	SELL	2.69	Ordinary	(3,162)	(3,162)
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.82	Ordinary	6,444	6,444
21-Dec-2018	Vanguard Investments Australia Ltd.	SELL	2.71	Ordinary	(1,872,465)	(1,872,465)
21-Dec-2018	Vanguard Investments Australia Ltd.	SELL	2.71	Ordinary	(87,842)	(87,842)
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	4,833	4,833
21-Dec-2018	Vanguard Investments Australia Ltd.	SELL	2.71	Ordinary	(1,072,845)	(1,072,845)
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	73,031	73,031
27-Dec-2018	Vanguard Investments Australia Ltd.	BUY	2.87	Ordinary	3,198	3,198
31-Dec-2018	Vanguard Investments Australia Ltd.	SELL	2.81	Ordinary	(10,333)	(10,333)
8-Jan-2019	Vanguard Investments Australia Ltd.	BUY	2.89	Ordinary	5,220	5,220
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	2.82	Ordinary	6,276	6,276
14-Jan-2019	Vanguard Investments Australia Ltd.	BUY	2.76	Ordinary	7,095	7,095
21-Jan-2019	Vanguard Investments Australia Ltd.	BUY	3.02	Ordinary	2,991	2,991
30-Jan-2019	Vanguard Investments Australia Ltd.	SELL	2.89	Ordinary	(47,341)	(47,341)
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	2.89	Ordinary	2,160	2,160
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	2.89	Ordinary	45,477	45,477
1-Feb-2019	Vanguard Investments Australia Ltd.	BUY	2.89	Ordinary	39,145	39,145
5-Feb-2019	Vanguard Investments Australia Ltd.	SELL	3.03	Ordinary	(37,800)	(37,800)
7-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.12	Ordinary	9,460	9,460
12-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.09	Ordinary	4,740	4,740

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
19-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.29	Ordinary	5,962	5,962
25-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	16,454	16,454
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.37	Ordinary	7,110	7,110
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.37	Ordinary	5,420	5,420
5-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.43	Ordinary	34,688	34,688
6-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.45	Ordinary	10,659	10,659
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.31	Ordinary	34,278	34,278
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.31	Ordinary	51,102	51,102
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	3.47	Ordinary	(40,445)	(40,445)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.47	Ordinary	42,615	42,615
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.42	Ordinary	5,045	5,045
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.42	Ordinary	3,969	3,969
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.53	Ordinary	4,536	4,536
9-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.49	Ordinary	152,374	152,374
10-Apr-2019	Vanguard Investments Australia Ltd.	SELL	3.45	Ordinary	(44,666)	(44,666)
16-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.43	Ordinary	33,015	33,015
30-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	6,576	6,576
1-May-2019	Vanguard Investments Australia Ltd.	BUY	3.57	Ordinary	9,126	9,126
1-May-2019	Vanguard Investments Australia Ltd.	BUY	3.57	Ordinary	29,161	29,161
1-May-2019	Vanguard Investments Australia Ltd.	BUY	3.57	Ordinary	9,800	9,800
1-May-2019	Vanguard Investments Australia Ltd.	BUY	3.57	Ordinary	31,320	31,320
10-May-2019	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	11,162	11,162
10-May-2019	Vanguard Investments Australia Ltd.	BUY	3.33	Ordinary	4,932	4,932
17-May-2019	Vanguard Investments Australia Ltd.	BUY	3.45	Ordinary	63,321	63,321
17-May-2019	Vanguard Investments Australia Ltd.	BUY	3.45	Ordinary	5,480	5,480
21-May-2019	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	5,480	5,480
28-May-2019	Vanguard Investments Australia Ltd.	SELL	4.06	Ordinary	(19,486)	(19,486)
28-May-2019	Vanguard Investments Australia Ltd.	BUY	4.06	Ordinary	5,020	5,020
29-May-2019	Vanguard Investments Australia Ltd.	BUY	4.04	Ordinary	4,586	4,586
30-May-2019	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	26,953	26,953
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	3.93	Ordinary	(26,212)	(26,212)
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	30,125	30,125
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	5,020	5,020
5-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	2,104	2,104
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	2,104	2,104
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	6,024	6,024
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.89	Ordinary	38,671	38,671
11-Jun-2019	Vanguard Investments Australia Ltd.	SELL	4.03	Ordinary	(16,023)	(16,023)
11-Jun-2019	Vanguard Investments Australia Ltd.	BUY	4.03	Ordinary	3,156	3,156
13-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	2,104	2,104
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	4,584	4,584
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	4,016	4,016
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	3,153	3,153
21-Jun-2019	Vanguard Investments Australia Ltd.	SELL	4.03	Ordinary	(299,522)	(299,522)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	3,012	3,012
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	39,020	39,020
25-Jun-2019	Vanguard Investments Australia Ltd.	BUY	4.05	Ordinary	4,608	4,608
26-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	2,661	2,661
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	3,556	3,556
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	3,514	3,514
28-Jun-2019	Vanguard Investments Australia Ltd.	SELL	3.91	Ordinary	(9,612)	(9,612)
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	2,634	2,634
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	6,036	6,036
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.22	Ordinary	5,268	5,268
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.22	Ordinary	3,018	3,018
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.11	Ordinary	3,018	3,018
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.22	Ordinary	3,024	3,024
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.26	Ordinary	2,634	2,634
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	6,096	6,096
18-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.12	Ordinary	6,801	6,801
22-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.35	Ordinary	2,634	2,634
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.30	Ordinary	5,698	5,698
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	4.03	Ordinary	2,634	2,634
5-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.94	Ordinary	4,528	4,528
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	11,043	11,043
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	3,512	3,512
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	4,599	4,599
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	4,599	4,599
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	6,146	6,146
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	40,156	40,156
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.98	Ordinary	2,280	2,280
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	5,643	5,643
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	11,480	11,480
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	5,665	5,665
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	3,524	3,524
15-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	3,524	3,524
19-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.90	Ordinary	39,723	39,723
20-Aug-2019	Vanguard Investments Australia Ltd.	SELL	4.04	Ordinary	(17,857)	(17,857)
21-Aug-2019	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	2,646	2,646
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	202,291	202,291
29-Aug-2019	Vanguard Investments Australia Ltd.	SELL	3.97	Ordinary	(9,220)	(9,220)
29-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	2,655	2,655
30-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.90	Ordinary	25,988	25,988
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	4,614	4,614
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	11,924	11,924
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	58,996	58,996
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	3,548	3,548
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.86	Ordinary	3,560	3,560
9-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	3,560	3,560
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	6,945	6,945
12-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.20	Ordinary	25,595	25,595
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.17	Ordinary	10,469	10,469
19-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	2,673	2,673

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.27	Ordinary	5,550	5,550
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.42	Ordinary	8,505	8,505
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.27	Ordinary	7,854	7,854
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.28	Ordinary	6,951	6,951
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.28	Ordinary	6,216	6,216
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.28	Ordinary	3,552	3,552
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.28	Ordinary	6,792	6,792
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.14	Ordinary	10,754	10,754
2-Oct-2019	Vanguard Investments Australia Ltd.	SELL	4.14	Ordinary	(13,584)	(13,584)
3-Oct-2019	Vanguard Investments Australia Ltd.	BUY	3.98	Ordinary	5,244	5,244
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	25,126	25,126
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	9,724	9,724
7-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.01	Ordinary	27,035	27,035
9-Oct-2019	Vanguard Investments Australia Ltd.	BUY	3.91	Ordinary	4,370	4,370
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	9,260	9,260
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	9,260	9,260
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	4,624	4,624
14-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	66,866	66,866
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.11	Ordinary	79,239	79,239
17-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.12	Ordinary	3,496	3,496
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.12	Ordinary	32,410	32,410
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.12	Ordinary	2,622	2,622
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.12	Ordinary	5,730	5,730
21-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	24,272	24,272
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	5,750	5,750
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	39,788	39,788
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	5,680	5,680
29-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	2,450	2,450
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.05	Ordinary	16,024	16,024
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.05	Ordinary	2,622	2,622
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.05	Ordinary	3,496	3,496
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.14	Ordinary	13,560	13,560
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	4.14	Ordinary	(6,780)	(6,780)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	4.33	Ordinary	(12,077)	(12,077)
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.33	Ordinary	3,496	3,496
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.33	Ordinary	2,622	2,622
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.65	Ordinary	3,496	3,496
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.65	Ordinary	6,720	6,720
7-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.73	Ordinary	3,488	3,488
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	9,248	9,248
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	16,184	16,184
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	18,496	18,496
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	15,086	15,086
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.54	Ordinary	2,631	2,631
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.54	Ordinary	6,061	6,061
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	6,957	6,957
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	1,638	1,638
15-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.64	Ordinary	3,516	3,516
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	18,520	18,520
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	11,575	11,575
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	7,124	7,124
20-Nov-2019	Vanguard Investments Australia Ltd.	SELL	4.62	Ordinary	(35,679)	(35,679)
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	3,850	3,850
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.64	Ordinary	3,516	3,516
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.64	Ordinary	11,571	11,571
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	2,637	2,637
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	20,772	20,772
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	11,540	11,540
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	9,845	9,845
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	4.65	Ordinary	(25,646)	(25,646)
28-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.76	Ordinary	2,637	2,637
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.76	Ordinary	6,804	6,804
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	25,268	25,268
3-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.59	Ordinary	5,274	5,274
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	4,395	4,395
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.62	Ordinary	12,474	12,474
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.72	Ordinary	30,710	30,710
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.72	Ordinary	3,516	3,516
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.72	Ordinary	6,816	6,816
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.75	Ordinary	9,560	9,560
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.78	Ordinary	3,516	3,516
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.78	Ordinary	5,600	5,600
16-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.79	Ordinary	6,642	6,642
18-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.80	Ordinary	(73,034)	(73,034)
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.80	Ordinary	7,882	7,882
19-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.81	Ordinary	(73,035)	(73,035)
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.70	Ordinary	3,512	3,512
27-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	4,420	4,420
27-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	2,337	2,337
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.67	Ordinary	4,424	4,424
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.67	Ordinary	14,922	14,922
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.55	Ordinary	24,931	24,931
31-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.55	Ordinary	(9,386)	(9,386)
31-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.55	Ordinary	(28,042)	(28,042)
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.55	Ordinary	2,775	2,775
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.63	Ordinary	3,088	3,088
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.63	Ordinary	6,588	6,588
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.67	Ordinary	3,276	3,276
8-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.76	Ordinary	8,220	8,220
9-Jan-2020	Vanguard Investments Australia Ltd.	SELL	4.83	Ordinary	(4,368)	(4,368)
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.82	Ordinary	6,519	6,519
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.82	Ordinary	8,160	8,160
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.96	Ordinary	6,519	6,519

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-Jan-2020	Vanguard Investments Australia Ltd.	BUY	5.04	Ordinary	24,604	24,604
17-Jan-2020	Vanguard Investments Australia Ltd.	BUY	5.04	Ordinary	2,316	2,316
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.99	Ordinary	8,085	8,085
23-Jan-2020	Vanguard Investments Australia Ltd.	BUY	5.05	Ordinary	2,316	2,316
29-Jan-2020	Vanguard Investments Australia Ltd.	BUY	5.02	Ordinary	3,088	3,088
30-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.84	Ordinary	8,160	8,160
3-Feb-2020	Vanguard Investments Australia Ltd.	SELL	4.78	Ordinary	(5,930)	(5,930)
7-Feb-2020	Vanguard Investments Australia Ltd.	BUY	4.99	Ordinary	5,490	5,490
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	4.93	Ordinary	10,980	10,980
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	4.95	Ordinary	26,317	26,317
12-Feb-2020	Vanguard Investments Australia Ltd.	SELL	4.93	Ordinary	(25,301)	(25,301)
13-Feb-2020	Vanguard Investments Australia Ltd.	SELL	4.92	Ordinary	(3,860)	(3,860)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	4.88	Ordinary	(18,199)	(18,199)
21-Feb-2020	Vanguard Investments Australia Ltd.	BUY	4.82	Ordinary	2,792	2,792
26-Feb-2020	Vanguard Investments Australia Ltd.	SELL	4.47	Ordinary	(8,651)	(8,651)
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	4.42	Ordinary	8,800	8,800
27-Feb-2020	Vanguard Investments Australia Ltd.	BUY	4.36	Ordinary	33,918	33,918
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	4.19	Ordinary	(13,351)	(13,351)
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	4.19	Ordinary	8,220	8,220
2-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.11	Ordinary	6,393	6,393
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.20	Ordinary	2,337	2,337
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.20	Ordinary	14,661	14,661
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	3,116	3,116
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	9,248	9,248
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.11	Ordinary	3,132	3,132
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	3,915	3,915
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	4,698	4,698
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	18,865	18,865
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	20,395	20,395
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	25,455	25,455
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	6,622	6,622
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	7,047	7,047
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	4,698	4,698
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	10,600	10,600
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	13,250	13,250
12-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.30	Ordinary	(14,657)	(14,657)
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	3,132	3,132
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	9,044	9,044
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	15,960	15,960
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	51,599	51,599
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	6,264	6,264
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	15,750	15,750
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	31,301	31,301
16-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.37	Ordinary	18,375	18,375
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	5,883	5,883
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	6,264	6,264
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	4,698	4,698
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	13,125	13,125
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.24	Ordinary	(23,857)	(23,857)
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.24	Ordinary	15,600	15,600
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.24	Ordinary	20,797	20,797
19-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.42	Ordinary	(8,642)	(8,642)
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.42	Ordinary	2,349	2,349
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.42	Ordinary	11,937	11,937
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	16,244	16,244
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.82	Ordinary	7,266	7,266
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.24	Ordinary	7,875	7,875
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.15	Ordinary	13,538	13,538
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.15	Ordinary	14,182	14,182
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.09	Ordinary	13,150	13,150
27-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.09	Ordinary	(14,202)	(14,202)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.17	Ordinary	63,359	63,359
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.17	Ordinary	10,520	10,520

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: 3 April 2020