

**Form 604**  
Corporations Act 2001  
Section 671B

**Notice of change of interests of substantial holder**

To Company Name/Scheme Transurban Group  
ACN/ARSN 121 746 825

**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 21 February 2020

The previous notice was given to the company on 15 June 2018

The previous notice was dated 15 June 2018

**2. Previous and present voting power**

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

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
<b>Total</b>	<b>111,240,857</b>	<b>5.0002%</b>	<b>164,200,454</b>	<b>6.004%</b>

**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
<b>See Annexure A</b>					

**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	<b>Brown Brothers Harriman</b>	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.	<b>Ordinary – 7,539,314</b>	<b>7,539,314</b>
Vanguard Group	<b>BNY Mellon</b>	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.	<b>Ordinary – 10,746,498</b>	<b>10,746,498</b>
Vanguard Group	<b>JP Morgan Chase Bank, N.A.</b>	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.	<b>Ordinary – 81,343,385</b>	<b>81,343,385</b>
Vanguard Group	<b>State Street Bank and Trust Company</b>	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.	<b>Ordinary – 20,251,622</b>	<b>20,251,622</b>
Vanguard Group	<b>Various Others</b>	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.	<b>Ordinary – 44,319,635</b>	<b>44,319,635</b>

**5. Changes in association**

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

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

**6. Addresses**

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

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

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**Signature**

print name Shawn Acker capacity Compliance Manager  
sign here  date 25 February 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.

To Company  
ACN/ARSN Transurban Group  
121 746 825

Substantial Holder Name  
ACN/ARSN The Vanguard Group, Inc.  
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
14-Jun-18	The Vanguard Group, Inc.	Buy	11.94	Ordinary	2,882	2,882
15-Jun-18	The Vanguard Group, Inc.	Sell	12.13	Ordinary	(247,428)	(247,428)
15-Jun-18	The Vanguard Group, Inc.	Sell	12.13	Ordinary	(23,962)	(23,962)
19-Jun-18	The Vanguard Group, Inc.	Buy	12.24	Ordinary	192,928	192,928
20-Jun-18	The Vanguard Group, Inc.	Buy	12.34	Ordinary	85,394	85,394
20-Jun-18	The Vanguard Group, Inc.	Buy	12.18	Ordinary	26,091	26,091
26-Jun-18	The Vanguard Group, Inc.	Buy	12.19	Ordinary	48,378	48,378
26-Jun-18	The Vanguard Group, Inc.	Buy	12.19	Ordinary	101,551	101,551
27-Jun-18	The Vanguard Group, Inc.	Buy	12.14	Ordinary	7,009	7,009
27-Jun-18	The Vanguard Group, Inc.	Buy	12.14	Ordinary	14,712	14,712
27-Jun-18	The Vanguard Group, Inc.	Buy	12.17	Ordinary	8,028	8,028
27-Jun-18	The Vanguard Group, Inc.	Sell	12.20	Ordinary	(1,590)	(1,590)
28-Jun-18	The Vanguard Group, Inc.	Buy	11.95	Ordinary	95,356	95,356
29-Jun-18	The Vanguard Group, Inc.	Buy	11.97	Ordinary	18,454	18,454
29-Jun-18	The Vanguard Group, Inc.	Buy	11.97	Ordinary	48,880	48,880
29-Jun-18	The Vanguard Group, Inc.	Buy	11.97	Ordinary	5,413	5,413
29-Jun-18	The Vanguard Group, Inc.	Buy	11.97	Ordinary	14,338	14,338
3-Jul-18	The Vanguard Group, Inc.	Buy	12.18	Ordinary	105,155	105,155
3-Jul-18	The Vanguard Group, Inc.	Buy	12.16	Ordinary	3,085	3,085
3-Jul-18	The Vanguard Group, Inc.	Buy	12.16	Ordinary	6,021	6,021
4-Jul-18	The Vanguard Group, Inc.	Buy	12.05	Ordinary	15,811	15,811
6-Jul-18	The Vanguard Group, Inc.	Buy	12.13	Ordinary	7,404	7,404
6-Jul-18	The Vanguard Group, Inc.	Buy	12.10	Ordinary	12,884	12,884
11-Jul-18	The Vanguard Group, Inc.	Buy	11.90	Ordinary	86,756	86,756
11-Jul-18	The Vanguard Group, Inc.	Sell	11.89	Ordinary	(2,978)	(2,978)
11-Jul-18	The Vanguard Group, Inc.	Buy	11.90	Ordinary	1,346	1,346
12-Jul-18	The Vanguard Group, Inc.	Sell	12.02	Ordinary	(9,932)	(9,932)
12-Jul-18	The Vanguard Group, Inc.	Sell	12.02	Ordinary	(1,133)	(1,133)
12-Jul-18	The Vanguard Group, Inc.	Sell	12.00	Ordinary	(35,639)	(35,639)
17-Jul-18	The Vanguard Group, Inc.	Buy	11.94	Ordinary	1,255	1,255
19-Jul-18	The Vanguard Group, Inc.	Buy	12.01	Ordinary	61,744	61,744
19-Jul-18	The Vanguard Group, Inc.	Buy	11.92	Ordinary	1,112	1,112
20-Jul-18	The Vanguard Group, Inc.	Buy	11.95	Ordinary	6,170	6,170
20-Jul-18	The Vanguard Group, Inc.	Sell	11.97	Ordinary	(19,536)	(19,536)
20-Jul-18	The Vanguard Group, Inc.	Buy	11.97	Ordinary	14,387	14,387
23-Jul-18	The Vanguard Group, Inc.	Sell	11.86	Ordinary	(6,345)	(6,345)
24-Jul-18	The Vanguard Group, Inc.	Sell	11.81	Ordinary	(968)	(968)
24-Jul-18	The Vanguard Group, Inc.	Buy	11.79	Ordinary	1,112	1,112
25-Jul-18	The Vanguard Group, Inc.	Sell	11.71	Ordinary	(31,725)	(31,725)
25-Jul-18	The Vanguard Group, Inc.	Sell	11.71	Ordinary	(4,230)	(4,230)
25-Jul-18	The Vanguard Group, Inc.	Sell	11.71	Ordinary	(6,345)	(6,345)
25-Jul-18	The Vanguard Group, Inc.	Sell	11.68	Ordinary	(1,643)	(1,643)
25-Jul-18	The Vanguard Group, Inc.	Buy	11.68	Ordinary	2,500	2,500
27-Jul-18	The Vanguard Group, Inc.	Sell	11.79	Ordinary	(11,887)	(11,887)
30-Jul-18	The Vanguard Group, Inc.	Sell	11.70	Ordinary	(10,813)	(10,813)
31-Jul-18	The Vanguard Group, Inc.	Buy	11.73	Ordinary	99,344	99,344
31-Jul-18	The Vanguard Group, Inc.	Sell	11.70	Ordinary	(10,035)	(10,035)
1-Aug-18	The Vanguard Group, Inc.	Buy	11.66	Ordinary	83,619	83,619
1-Aug-18	The Vanguard Group, Inc.	Sell	11.68	Ordinary	(619)	(619)
2-Aug-18	The Vanguard Group, Inc.	Sell	11.71	Ordinary	(21,150)	(21,150)
3-Aug-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	70,414	70,414
3-Aug-18	The Vanguard Group, Inc.	Sell	11.77	Ordinary	(6,925)	(6,925)
3-Aug-18	The Vanguard Group, Inc.	Buy	11.77	Ordinary	1,703	1,703
7-Aug-18	The Vanguard Group, Inc.	Buy	11.83	Ordinary	56,868	56,868
8-Aug-18	The Vanguard Group, Inc.	Sell	11.97	Ordinary	(595)	(595)
9-Aug-18	The Vanguard Group, Inc.	Buy	11.99	Ordinary	31,324	31,324
9-Aug-18	The Vanguard Group, Inc.	Sell	12.00	Ordinary	(18,063)	(18,063)
10-Aug-18	The Vanguard Group, Inc.	Sell	11.90	Ordinary	(50,760)	(50,760)
10-Aug-18	The Vanguard Group, Inc.	Sell	11.90	Ordinary	(10,035)	(10,035)

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
10-Aug-18	The Vanguard Group, Inc.	Sell	11.90	Ordinary	(18,063)	(18,063)
10-Aug-18	The Vanguard Group, Inc.	Sell	11.90	Ordinary	(45,240)	(45,240)
14-Aug-18	The Vanguard Group, Inc.	Buy	11.84	Ordinary	97,127	97,127
14-Aug-18	The Vanguard Group, Inc.	Sell	11.88	Ordinary	(36,126)	(36,126)
15-Aug-18	The Vanguard Group, Inc.	Sell	11.90	Ordinary	(25,380)	(25,380)
15-Aug-18	The Vanguard Group, Inc.	Buy	11.92	Ordinary	97,934	97,934
15-Aug-18	The Vanguard Group, Inc.	Buy	11.92	Ordinary	23,427	23,427
16-Aug-18	The Vanguard Group, Inc.	Buy	11.99	Ordinary	67,140	67,140
16-Aug-18	The Vanguard Group, Inc.	Buy	11.91	Ordinary	4,371	4,371
16-Aug-18	The Vanguard Group, Inc.	Sell	11.90	Ordinary	(46,966)	(46,966)
17-Aug-18	The Vanguard Group, Inc.	Buy	11.88	Ordinary	58,543	58,543
17-Aug-18	The Vanguard Group, Inc.	Buy	11.89	Ordinary	4,319	4,319
20-Aug-18	The Vanguard Group, Inc.	Buy	11.90	Ordinary	76,884	76,884
21-Aug-18	The Vanguard Group, Inc.	Buy	11.88	Ordinary	8,028	8,028
21-Aug-18	The Vanguard Group, Inc.	Buy	11.88	Ordinary	1,476	1,476
21-Aug-18	The Vanguard Group, Inc.	Buy	11.88	Ordinary	1,689	1,689
22-Aug-18	The Vanguard Group, Inc.	Buy	11.83	Ordinary	60,080	60,080
24-Aug-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	6,787	6,787
27-Aug-18	The Vanguard Group, Inc.	Buy	11.81	Ordinary	10,035	10,035
28-Aug-18	The Vanguard Group, Inc.	Buy	11.90	Ordinary	1,112	1,112
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	393,460	393,460
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	5,640,232	5,640,232
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	2,217,210	2,217,210
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	118,244	118,244
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	670,165	670,165
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	45,681	45,681
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	18,651	18,651
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	53,411	53,411
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	13,248	13,248
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	1,869	1,869
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	104,417	104,417
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	769,667	769,667
4-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	7,755	7,755
5-Sep-18	The Vanguard Group, Inc.	Buy	11.78	Ordinary	87,746	87,746
5-Sep-18	The Vanguard Group, Inc.	Sell	11.78	Ordinary	(615)	(615)
5-Sep-18	The Vanguard Group, Inc.	Sell	11.63	Ordinary	(1,794)	(1,794)
6-Sep-18	The Vanguard Group, Inc.	Buy	11.54	Ordinary	179,440	179,440
7-Sep-18	The Vanguard Group, Inc.	Buy	11.45	Ordinary	60,796	60,796
7-Sep-18	The Vanguard Group, Inc.	Buy	11.43	Ordinary	31,961	31,961
7-Sep-18	The Vanguard Group, Inc.	Buy	11.43	Ordinary	11,676	11,676
7-Sep-18	The Vanguard Group, Inc.	Buy	11.43	Ordinary	7,077	7,077
7-Sep-18	The Vanguard Group, Inc.	Buy	11.43	Ordinary	23,590	23,590
7-Sep-18	The Vanguard Group, Inc.	Buy	11.44	Ordinary	710	710
10-Sep-18	The Vanguard Group, Inc.	Buy	11.33	Ordinary	4,829	4,829
12-Sep-18	The Vanguard Group, Inc.	Buy	11.30	Ordinary	149,625	149,625
12-Sep-18	The Vanguard Group, Inc.	Buy	11.31	Ordinary	17,514	17,514
12-Sep-18	The Vanguard Group, Inc.	Buy	11.31	Ordinary	23,590	23,590
12-Sep-18	The Vanguard Group, Inc.	Sell	11.30	Ordinary	(1,070)	(1,070)
12-Sep-18	The Vanguard Group, Inc.	Sell	11.30	Ordinary	(173,179)	(173,179)
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	28,859	28,859
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	200,513	200,513
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	5,340	5,340
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	11,050	11,050
13-Sep-18	The Vanguard Group, Inc.	Buy	11.12	Ordinary	4,412	4,412
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	550	550
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	296	296
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	11,619	11,619
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	60,372	60,372
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	770	770
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	10,678	10,678
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	7,437	7,437
13-Sep-18	The Vanguard Group, Inc.	Buy	10.80	Ordinary	7,551	7,551
17-Sep-18	The Vanguard Group, Inc.	Buy	11.34	Ordinary	21,554	21,554
18-Sep-18	The Vanguard Group, Inc.	Buy	11.44	Ordinary	185,253	185,253
18-Sep-18	The Vanguard Group, Inc.	Buy	11.48	Ordinary	2,084	2,084
20-Sep-18	The Vanguard Group, Inc.	Buy	11.26	Ordinary	18,006	18,006

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-18	The Vanguard Group, Inc.	Buy	11.13	Ordinary	1,057	1,057
21-Sep-18	The Vanguard Group, Inc.	Sell	11.24	Ordinary	(201,880)	(201,880)
21-Sep-18	The Vanguard Group, Inc.	Sell	11.24	Ordinary	(92,440)	(92,440)
21-Sep-18	The Vanguard Group, Inc.	Buy	11.24	Ordinary	21,641	21,641
21-Sep-18	The Vanguard Group, Inc.	Sell	11.24	Ordinary	(40,335)	(40,335)
21-Sep-18	The Vanguard Group, Inc.	Buy	11.24	Ordinary	6,724	6,724
21-Sep-18	The Vanguard Group, Inc.	Buy	11.24	Ordinary	3,971	3,971
26-Sep-18	The Vanguard Group, Inc.	Buy	11.19	Ordinary	27,700	27,700
26-Sep-18	The Vanguard Group, Inc.	Buy	11.19	Ordinary	11,080	11,080
26-Sep-18	The Vanguard Group, Inc.	Buy	11.19	Ordinary	22,160	22,160
26-Sep-18	The Vanguard Group, Inc.	Buy	11.20	Ordinary	1,021	1,021
26-Sep-18	The Vanguard Group, Inc.	Sell	11.20	Ordinary	(836)	(836)
27-Sep-18	The Vanguard Group, Inc.	Sell	11.13	Ordinary	(28,556)	(28,556)
27-Sep-18	The Vanguard Group, Inc.	Buy	11.27	Ordinary	20,476	20,476
28-Sep-18	The Vanguard Group, Inc.	Buy	11.22	Ordinary	746	746
1-Oct-18	The Vanguard Group, Inc.	Buy	11.22	Ordinary	16,620	16,620
2-Oct-18	The Vanguard Group, Inc.	Buy	11.15	Ordinary	44,320	44,320
2-Oct-18	The Vanguard Group, Inc.	Sell	11.19	Ordinary	(1,007)	(1,007)
2-Oct-18	The Vanguard Group, Inc.	Sell	11.19	Ordinary	(18,766)	(18,766)
2-Oct-18	The Vanguard Group, Inc.	Sell	11.15	Ordinary	(8,420)	(8,420)
3-Oct-18	The Vanguard Group, Inc.	Buy	11.19	Ordinary	16,620	16,620
3-Oct-18	The Vanguard Group, Inc.	Buy	11.19	Ordinary	12,738	12,738
3-Oct-18	The Vanguard Group, Inc.	Buy	11.23	Ordinary	6,846	6,846
5-Oct-18	The Vanguard Group, Inc.	Buy	11.08	Ordinary	88,574	88,574
8-Oct-18	The Vanguard Group, Inc.	Buy	11.12	Ordinary	36,339	36,339
8-Oct-18	The Vanguard Group, Inc.	Buy	11.03	Ordinary	20,768	20,768
9-Oct-18	The Vanguard Group, Inc.	Buy	10.94	Ordinary	82,981	82,981
9-Oct-18	The Vanguard Group, Inc.	Buy	10.99	Ordinary	36,091	36,091
11-Oct-18	The Vanguard Group, Inc.	Buy	10.85	Ordinary	14,568	14,568
12-Oct-18	The Vanguard Group, Inc.	Buy	10.82	Ordinary	64,299	64,299
12-Oct-18	The Vanguard Group, Inc.	Buy	10.81	Ordinary	627	627
15-Oct-18	The Vanguard Group, Inc.	Buy	10.76	Ordinary	24,280	24,280
16-Oct-18	The Vanguard Group, Inc.	Buy	10.77	Ordinary	77,933	77,933
16-Oct-18	The Vanguard Group, Inc.	Sell	10.80	Ordinary	(1,070)	(1,070)
16-Oct-18	The Vanguard Group, Inc.	Buy	10.77	Ordinary	353	353
17-Oct-18	The Vanguard Group, Inc.	Buy	10.73	Ordinary	6,745	6,745
18-Oct-18	The Vanguard Group, Inc.	Buy	11.04	Ordinary	141,852	141,852
18-Oct-18	The Vanguard Group, Inc.	Sell	10.99	Ordinary	(1,446)	(1,446)
19-Oct-18	The Vanguard Group, Inc.	Buy	11.03	Ordinary	14,568	14,568
19-Oct-18	The Vanguard Group, Inc.	Buy	11.03	Ordinary	16,620	16,620
22-Oct-18	The Vanguard Group, Inc.	Buy	11.05	Ordinary	766	766
23-Oct-18	The Vanguard Group, Inc.	Buy	11.12	Ordinary	16,329	16,329
24-Oct-18	The Vanguard Group, Inc.	Buy	11.22	Ordinary	83,121	83,121
24-Oct-18	The Vanguard Group, Inc.	Sell	11.11	Ordinary	(18,172)	(18,172)
25-Oct-18	The Vanguard Group, Inc.	Buy	11.15	Ordinary	63,707	63,707
25-Oct-18	The Vanguard Group, Inc.	Buy	11.15	Ordinary	48,599	48,599
25-Oct-18	The Vanguard Group, Inc.	Buy	11.17	Ordinary	13,850	13,850
26-Oct-18	The Vanguard Group, Inc.	Buy	11.25	Ordinary	68,536	68,536
26-Oct-18	The Vanguard Group, Inc.	Buy	11.06	Ordinary	75,502	75,502
26-Oct-18	The Vanguard Group, Inc.	Buy	11.25	Ordinary	37,845	37,845
26-Oct-18	The Vanguard Group, Inc.	Buy	11.06	Ordinary	1,457	1,457
26-Oct-18	The Vanguard Group, Inc.	Buy	11.25	Ordinary	12,747	12,747
26-Oct-18	The Vanguard Group, Inc.	Buy	11.25	Ordinary	2,991	2,991
26-Oct-18	The Vanguard Group, Inc.	Buy	11.25	Ordinary	6,568	6,568
30-Oct-18	The Vanguard Group, Inc.	Buy	11.21	Ordinary	66,561	66,561
30-Oct-18	The Vanguard Group, Inc.	Buy	11.29	Ordinary	41,837	41,837
31-Oct-18	The Vanguard Group, Inc.	Buy	11.38	Ordinary	24,910	24,910
31-Oct-18	The Vanguard Group, Inc.	Buy	11.36	Ordinary	19,390	19,390
31-Oct-18	The Vanguard Group, Inc.	Buy	11.34	Ordinary	854	854
1-Nov-18	The Vanguard Group, Inc.	Buy	11.27	Ordinary	102,762	102,762
1-Nov-18	The Vanguard Group, Inc.	Buy	11.24	Ordinary	27,700	27,700
1-Nov-18	The Vanguard Group, Inc.	Sell	11.22	Ordinary	(171,354)	(171,354)
1-Nov-18	The Vanguard Group, Inc.	Sell	11.28	Ordinary	(4,241)	(4,241)
2-Nov-18	The Vanguard Group, Inc.	Buy	11.21	Ordinary	62,887	62,887
2-Nov-18	The Vanguard Group, Inc.	Buy	11.21	Ordinary	31,879	31,879
2-Nov-18	The Vanguard Group, Inc.	Buy	11.21	Ordinary	11,220	11,220

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
2-Nov-18	The Vanguard Group, Inc.	Sell	11.26	Ordinary	(58,796)	(58,796)
5-Nov-18	The Vanguard Group, Inc.	Sell	11.13	Ordinary	(19,664)	(19,664)
7-Nov-18	The Vanguard Group, Inc.	Buy	11.32	Ordinary	22,160	22,160
7-Nov-18	The Vanguard Group, Inc.	Buy	11.30	Ordinary	4,152	4,152
7-Nov-18	The Vanguard Group, Inc.	Buy	11.30	Ordinary	478	478
9-Nov-18	The Vanguard Group, Inc.	Buy	11.32	Ordinary	2,151	2,151
9-Nov-18	The Vanguard Group, Inc.	Sell	11.45	Ordinary	(5,241)	(5,241)
12-Nov-18	The Vanguard Group, Inc.	Buy	11.54	Ordinary	16,620	16,620
12-Nov-18	The Vanguard Group, Inc.	Buy	11.54	Ordinary	62,304	62,304
13-Nov-18	The Vanguard Group, Inc.	Buy	11.58	Ordinary	5,763	5,763
13-Nov-18	The Vanguard Group, Inc.	Buy	11.58	Ordinary	10,746	10,746
14-Nov-18	The Vanguard Group, Inc.	Buy	11.53	Ordinary	22,160	22,160
14-Nov-18	The Vanguard Group, Inc.	Buy	11.53	Ordinary	16,620	16,620
14-Nov-18	The Vanguard Group, Inc.	Buy	11.53	Ordinary	23,364	23,364
15-Nov-18	The Vanguard Group, Inc.	Buy	11.59	Ordinary	60,007	60,007
15-Nov-18	The Vanguard Group, Inc.	Buy	11.62	Ordinary	10,784	10,784
15-Nov-18	The Vanguard Group, Inc.	Buy	11.62	Ordinary	3,368	3,368
15-Nov-18	The Vanguard Group, Inc.	Buy	11.58	Ordinary	3,573	3,573
21-Nov-18	The Vanguard Group, Inc.	Buy	11.37	Ordinary	22,160	22,160
27-Nov-18	The Vanguard Group, Inc.	Buy	11.52	Ordinary	1,285	1,285
28-Nov-18	The Vanguard Group, Inc.	Buy	11.56	Ordinary	2,428	2,428
28-Nov-18	The Vanguard Group, Inc.	Buy	11.56	Ordinary	14,568	14,568
28-Nov-18	The Vanguard Group, Inc.	Buy	11.56	Ordinary	13,850	13,850
28-Nov-18	The Vanguard Group, Inc.	Buy	11.56	Ordinary	7,788	7,788
28-Nov-18	The Vanguard Group, Inc.	Buy	11.56	Ordinary	25,960	25,960
28-Nov-18	The Vanguard Group, Inc.	Buy	11.56	Ordinary	12,980	12,980
28-Nov-18	The Vanguard Group, Inc.	Buy	11.56	Ordinary	14,861	14,861
29-Nov-18	The Vanguard Group, Inc.	Buy	11.48	Ordinary	44,132	44,132
30-Nov-18	The Vanguard Group, Inc.	Buy	11.45	Ordinary	115,674	115,674
30-Nov-18	The Vanguard Group, Inc.	Buy	11.42	Ordinary	796	796
30-Nov-18	The Vanguard Group, Inc.	Buy	11.40	Ordinary	27,879	27,879
30-Nov-18	The Vanguard Group, Inc.	Sell	11.40	Ordinary	(72,504)	(72,504)
3-Dec-18	The Vanguard Group, Inc.	Buy	11.48	Ordinary	31,737	31,737
3-Dec-18	The Vanguard Group, Inc.	Buy	11.39	Ordinary	1,592	1,592
3-Dec-18	The Vanguard Group, Inc.	Sell	11.41	Ordinary	(13,178)	(13,178)
4-Dec-18	The Vanguard Group, Inc.	Buy	11.44	Ordinary	10,784	10,784
4-Dec-18	The Vanguard Group, Inc.	Buy	11.44	Ordinary	22,160	22,160
4-Dec-18	The Vanguard Group, Inc.	Buy	11.53	Ordinary	10,888	10,888
4-Dec-18	The Vanguard Group, Inc.	Buy	11.53	Ordinary	26,428	26,428
5-Dec-18	The Vanguard Group, Inc.	Buy	11.51	Ordinary	2,666	2,666
5-Dec-18	The Vanguard Group, Inc.	Buy	11.51	Ordinary	65,773	65,773
5-Dec-18	The Vanguard Group, Inc.	Buy	11.51	Ordinary	919	919
5-Dec-18	The Vanguard Group, Inc.	Buy	11.51	Ordinary	22,660	22,660
5-Dec-18	The Vanguard Group, Inc.	Buy	11.56	Ordinary	230,094	230,094
5-Dec-18	The Vanguard Group, Inc.	Buy	11.61	Ordinary	13,057	13,057
6-Dec-18	The Vanguard Group, Inc.	Buy	11.78	Ordinary	8,088	8,088
6-Dec-18	The Vanguard Group, Inc.	Buy	11.75	Ordinary	17,624	17,624
6-Dec-18	The Vanguard Group, Inc.	Sell	11.75	Ordinary	(1,368)	(1,368)
7-Dec-18	The Vanguard Group, Inc.	Buy	11.85	Ordinary	72,636	72,636
7-Dec-18	The Vanguard Group, Inc.	Buy	11.79	Ordinary	22,160	22,160
7-Dec-18	The Vanguard Group, Inc.	Buy	11.79	Ordinary	19,390	19,390
7-Dec-18	The Vanguard Group, Inc.	Buy	11.83	Ordinary	8,911	8,911
10-Dec-18	The Vanguard Group, Inc.	Buy	11.85	Ordinary	27,454	27,454
10-Dec-18	The Vanguard Group, Inc.	Buy	11.77	Ordinary	13,997	13,997
11-Dec-18	The Vanguard Group, Inc.	Buy	11.84	Ordinary	59,129	59,129
11-Dec-18	The Vanguard Group, Inc.	Buy	11.84	Ordinary	16,620	16,620
11-Dec-18	The Vanguard Group, Inc.	Buy	11.84	Ordinary	22,160	22,160
11-Dec-18	The Vanguard Group, Inc.	Buy	11.86	Ordinary	6,412	6,412
12-Dec-18	The Vanguard Group, Inc.	Buy	11.92	Ordinary	16,620	16,620
12-Dec-18	The Vanguard Group, Inc.	Buy	11.92	Ordinary	47,090	47,090
12-Dec-18	The Vanguard Group, Inc.	Buy	11.92	Ordinary	16,620	16,620
12-Dec-18	The Vanguard Group, Inc.	Sell	11.91	Ordinary	(1,086)	(1,086)
12-Dec-18	The Vanguard Group, Inc.	Buy	11.92	Ordinary	8,492	8,492
13-Dec-18	The Vanguard Group, Inc.	Buy	11.91	Ordinary	59,647	59,647
13-Dec-18	The Vanguard Group, Inc.	Buy	11.91	Ordinary	432,949	432,949
13-Dec-18	The Vanguard Group, Inc.	Buy	11.90	Ordinary	14,861	14,861

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
13-Dec-18	The Vanguard Group, Inc.	Buy	11.90	Ordinary	3,368	3,368
13-Dec-18	The Vanguard Group, Inc.	Buy	11.91	Ordinary	1,116	1,116
13-Dec-18	The Vanguard Group, Inc.	Buy	11.91	Ordinary	122	122
14-Dec-18	The Vanguard Group, Inc.	Buy	11.86	Ordinary	16,620	16,620
14-Dec-18	The Vanguard Group, Inc.	Buy	11.86	Ordinary	15,576	15,576
14-Dec-18	The Vanguard Group, Inc.	Buy	11.86	Ordinary	6,369	6,369
14-Dec-18	The Vanguard Group, Inc.	Sell	11.89	Ordinary	(1,767)	(1,767)
14-Dec-18	The Vanguard Group, Inc.	Buy	11.89	Ordinary	4,245	4,245
17-Dec-18	The Vanguard Group, Inc.	Buy	11.90	Ordinary	33,240	33,240
17-Dec-18	The Vanguard Group, Inc.	Buy	11.90	Ordinary	21,230	21,230
17-Dec-18	The Vanguard Group, Inc.	Sell	11.96	Ordinary	(17,474)	(17,474)
18-Dec-18	The Vanguard Group, Inc.	Buy	11.86	Ordinary	363,211	363,211
18-Dec-18	The Vanguard Group, Inc.	Buy	11.85	Ordinary	145,219	145,219
18-Dec-18	The Vanguard Group, Inc.	Buy	11.86	Ordinary	1,176	1,176
18-Dec-18	The Vanguard Group, Inc.	Buy	11.85	Ordinary	4,694	4,694
19-Dec-18	The Vanguard Group, Inc.	Buy	11.86	Ordinary	136,834	136,834
19-Dec-18	The Vanguard Group, Inc.	Buy	11.90	Ordinary	10,224	10,224
20-Dec-18	The Vanguard Group, Inc.	Buy	11.64	Ordinary	22,160	22,160
20-Dec-18	The Vanguard Group, Inc.	Sell	11.70	Ordinary	(11,710)	(11,710)
20-Dec-18	The Vanguard Group, Inc.	Sell	11.70	Ordinary	(95,195)	(95,195)
20-Dec-18	The Vanguard Group, Inc.	Buy	11.70	Ordinary	20,184	20,184
21-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	24,807	24,807
21-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	352,870	352,870
21-Dec-18	The Vanguard Group, Inc.	Sell	11.69	Ordinary	(1,592)	(1,592)
21-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	6,189	6,189
21-Dec-18	The Vanguard Group, Inc.	Sell	11.69	Ordinary	(11,910)	(11,910)
21-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	8,720	8,720
21-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	118	118
21-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	47	47
21-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	7,316	7,316
21-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	16,416	16,416
21-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	1,267	1,267
21-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	3,426	3,426
24-Dec-18	The Vanguard Group, Inc.	Buy	11.59	Ordinary	19,600	19,600
24-Dec-18	The Vanguard Group, Inc.	Buy	11.59	Ordinary	31,360	31,360
26-Dec-18	The Vanguard Group, Inc.	Buy	11.77	Ordinary	26,377	26,377
26-Dec-18	The Vanguard Group, Inc.	Buy	11.77	Ordinary	11,760	11,760
27-Dec-18	The Vanguard Group, Inc.	Buy	11.91	Ordinary	2,545	2,545
27-Dec-18	The Vanguard Group, Inc.	Buy	11.69	Ordinary	74,007	74,007
27-Dec-18	The Vanguard Group, Inc.	Buy	11.91	Ordinary	9,800	9,800
27-Dec-18	The Vanguard Group, Inc.	Buy	11.91	Ordinary	5,880	5,880
27-Dec-18	The Vanguard Group, Inc.	Buy	11.91	Ordinary	29,400	29,400
27-Dec-18	The Vanguard Group, Inc.	Buy	11.91	Ordinary	1,592	1,592
28-Dec-18	The Vanguard Group, Inc.	Buy	11.73	Ordinary	10,145	10,145
28-Dec-18	The Vanguard Group, Inc.	Buy	11.67	Ordinary	28,765	28,765
28-Dec-18	The Vanguard Group, Inc.	Buy	11.67	Ordinary	21,365	21,365
28-Dec-18	The Vanguard Group, Inc.	Buy	11.67	Ordinary	467	467
31-Dec-18	The Vanguard Group, Inc.	Buy	11.65	Ordinary	12,216	12,216
2-Jan-19	The Vanguard Group, Inc.	Buy	11.59	Ordinary	3,563	3,563
2-Jan-19	The Vanguard Group, Inc.	Buy	11.59	Ordinary	9,162	9,162
2-Jan-19	The Vanguard Group, Inc.	Buy	11.59	Ordinary	14,203	14,203
2-Jan-19	The Vanguard Group, Inc.	Buy	11.59	Ordinary	26,377	26,377
2-Jan-19	The Vanguard Group, Inc.	Buy	11.61	Ordinary	3,078	3,078
2-Jan-19	The Vanguard Group, Inc.	Buy	11.59	Ordinary	13,720	13,720
2-Jan-19	The Vanguard Group, Inc.	Buy	11.59	Ordinary	11,760	11,760
2-Jan-19	The Vanguard Group, Inc.	Buy	11.59	Ordinary	3,340	3,340
2-Jan-19	The Vanguard Group, Inc.	Buy	11.55	Ordinary	16,858	16,858
3-Jan-19	The Vanguard Group, Inc.	Buy	11.54	Ordinary	24,740	24,740
3-Jan-19	The Vanguard Group, Inc.	Buy	11.57	Ordinary	9,800	9,800
3-Jan-19	The Vanguard Group, Inc.	Buy	11.57	Ordinary	3,340	3,340
3-Jan-19	The Vanguard Group, Inc.	Buy	11.54	Ordinary	3,200	3,200
4-Jan-19	The Vanguard Group, Inc.	Buy	11.55	Ordinary	38,957	38,957
4-Jan-19	The Vanguard Group, Inc.	Buy	11.56	Ordinary	153,848	153,848
4-Jan-19	The Vanguard Group, Inc.	Buy	11.60	Ordinary	978	978
4-Jan-19	The Vanguard Group, Inc.	Buy	11.56	Ordinary	21,315	21,315
7-Jan-19	The Vanguard Group, Inc.	Buy	11.60	Ordinary	3,920	3,920

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8-Jan-19	The Vanguard Group, Inc.	Sell	11.62	Ordinary	(1,313)	(1,313)
8-Jan-19	The Vanguard Group, Inc.	Buy	11.59	Ordinary	3,980	3,980
8-Jan-19	The Vanguard Group, Inc.	Sell	11.58	Ordinary	(57,461)	(57,461)
8-Jan-19	The Vanguard Group, Inc.	Buy	11.57	Ordinary	3,160	3,160
8-Jan-19	The Vanguard Group, Inc.	Buy	11.57	Ordinary	30,079	30,079
9-Jan-19	The Vanguard Group, Inc.	Buy	11.61	Ordinary	29,462	29,462
9-Jan-19	The Vanguard Group, Inc.	Buy	11.66	Ordinary	14,203	14,203
9-Jan-19	The Vanguard Group, Inc.	Sell	11.67	Ordinary	(28,482)	(28,482)
9-Jan-19	The Vanguard Group, Inc.	Buy	11.61	Ordinary	232	232
10-Jan-19	The Vanguard Group, Inc.	Buy	11.86	Ordinary	8,144	8,144
10-Jan-19	The Vanguard Group, Inc.	Buy	11.86	Ordinary	6,680	6,680
10-Jan-19	The Vanguard Group, Inc.	Sell	11.78	Ordinary	(31,272)	(31,272)
10-Jan-19	The Vanguard Group, Inc.	Buy	11.84	Ordinary	13,470	13,470
11-Jan-19	The Vanguard Group, Inc.	Buy	11.80	Ordinary	3,054	3,054
11-Jan-19	The Vanguard Group, Inc.	Buy	11.80	Ordinary	24,348	24,348
11-Jan-19	The Vanguard Group, Inc.	Buy	11.84	Ordinary	109,130	109,130
11-Jan-19	The Vanguard Group, Inc.	Buy	11.80	Ordinary	1,592	1,592
14-Jan-19	The Vanguard Group, Inc.	Buy	11.81	Ordinary	14,203	14,203
14-Jan-19	The Vanguard Group, Inc.	Buy	11.81	Ordinary	170	170
15-Jan-19	The Vanguard Group, Inc.	Buy	11.76	Ordinary	78,422	78,422
15-Jan-19	The Vanguard Group, Inc.	Sell	11.78	Ordinary	(13,272)	(13,272)
16-Jan-19	The Vanguard Group, Inc.	Buy	11.80	Ordinary	15,868	15,868
17-Jan-19	The Vanguard Group, Inc.	Buy	11.95	Ordinary	23,323	23,323
17-Jan-19	The Vanguard Group, Inc.	Sell	11.88	Ordinary	(16,236)	(16,236)
17-Jan-19	The Vanguard Group, Inc.	Buy	11.85	Ordinary	2,705	2,705
17-Jan-19	The Vanguard Group, Inc.	Sell	11.85	Ordinary	(20,524)	(20,524)
17-Jan-19	The Vanguard Group, Inc.	Buy	11.95	Ordinary	3,139	3,139
18-Jan-19	The Vanguard Group, Inc.	Buy	11.88	Ordinary	58,943	58,943
18-Jan-19	The Vanguard Group, Inc.	Sell	11.89	Ordinary	(1,106)	(1,106)
18-Jan-19	The Vanguard Group, Inc.	Buy	11.87	Ordinary	66,074	66,074
18-Jan-19	The Vanguard Group, Inc.	Sell	11.86	Ordinary	(6,347)	(6,347)
21-Jan-19	The Vanguard Group, Inc.	Buy	11.90	Ordinary	66,359	66,359
21-Jan-19	The Vanguard Group, Inc.	Buy	11.93	Ordinary	1,011	1,011
22-Jan-19	The Vanguard Group, Inc.	Sell	11.87	Ordinary	(16,236)	(16,236)
22-Jan-19	The Vanguard Group, Inc.	Buy	11.89	Ordinary	528	528
23-Jan-19	The Vanguard Group, Inc.	Buy	11.96	Ordinary	58,914	58,914
23-Jan-19	The Vanguard Group, Inc.	Sell	11.96	Ordinary	(35,178)	(35,178)
23-Jan-19	The Vanguard Group, Inc.	Buy	11.95	Ordinary	2,845	2,845
24-Jan-19	The Vanguard Group, Inc.	Sell	12.00	Ordinary	(35,178)	(35,178)
24-Jan-19	The Vanguard Group, Inc.	Buy	11.99	Ordinary	38,103	38,103
25-Jan-19	The Vanguard Group, Inc.	Buy	12.09	Ordinary	1,340	1,340
28-Jan-19	The Vanguard Group, Inc.	Sell	12.07	Ordinary	(11,760)	(11,760)
29-Jan-19	The Vanguard Group, Inc.	Sell	12.04	Ordinary	(51,414)	(51,414)
29-Jan-19	The Vanguard Group, Inc.	Sell	12.04	Ordinary	(21,648)	(21,648)
29-Jan-19	The Vanguard Group, Inc.	Sell	12.04	Ordinary	(21,648)	(21,648)
29-Jan-19	The Vanguard Group, Inc.	Sell	12.04	Ordinary	(12,174)	(12,174)
29-Jan-19	The Vanguard Group, Inc.	Sell	12.05	Ordinary	(944)	(944)
29-Jan-19	The Vanguard Group, Inc.	Sell	12.04	Ordinary	(7,840)	(7,840)
29-Jan-19	The Vanguard Group, Inc.	Buy	12.04	Ordinary	2,082	2,082
29-Jan-19	The Vanguard Group, Inc.	Buy	12.05	Ordinary	407	407
30-Jan-19	The Vanguard Group, Inc.	Buy	12.11	Ordinary	3,563	3,563
30-Jan-19	The Vanguard Group, Inc.	Sell	12.11	Ordinary	(11,760)	(11,760)
30-Jan-19	The Vanguard Group, Inc.	Sell	12.06	Ordinary	(18,522)	(18,522)
30-Jan-19	The Vanguard Group, Inc.	Buy	12.06	Ordinary	72,167	72,167
31-Jan-19	The Vanguard Group, Inc.	Buy	12.12	Ordinary	23,237	23,237
31-Jan-19	The Vanguard Group, Inc.	Sell	12.20	Ordinary	(10,145)	(10,145)
31-Jan-19	The Vanguard Group, Inc.	Sell	12.20	Ordinary	(33,320)	(33,320)
31-Jan-19	The Vanguard Group, Inc.	Buy	12.17	Ordinary	1,446	1,446
31-Jan-19	The Vanguard Group, Inc.	Buy	12.17	Ordinary	828	828
4-Feb-19	The Vanguard Group, Inc.	Sell	12.16	Ordinary	(16,232)	(16,232)
4-Feb-19	The Vanguard Group, Inc.	Sell	12.16	Ordinary	(14,203)	(14,203)
5-Feb-19	The Vanguard Group, Inc.	Buy	12.06	Ordinary	5,599	5,599
5-Feb-19	The Vanguard Group, Inc.	Sell	12.06	Ordinary	(14,203)	(14,203)
7-Feb-19	The Vanguard Group, Inc.	Sell	12.33	Ordinary	(19,112)	(19,112)
7-Feb-19	The Vanguard Group, Inc.	Buy	12.33	Ordinary	10,180	10,180
7-Feb-19	The Vanguard Group, Inc.	Sell	12.33	Ordinary	(16,232)	(16,232)



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7-Feb-19	The Vanguard Group, Inc.	Sell	12.33	Ordinary	(7,840)	(7,840)
7-Feb-19	The Vanguard Group, Inc.	Sell	12.33	Ordinary	(7,840)	(7,840)
7-Feb-19	The Vanguard Group, Inc.	Buy	12.35	Ordinary	201,557	201,557
7-Feb-19	The Vanguard Group, Inc.	Buy	12.35	Ordinary	1,753	1,753
8-Feb-19	The Vanguard Group, Inc.	Buy	12.43	Ordinary	26,376	26,376
8-Feb-19	The Vanguard Group, Inc.	Sell	12.43	Ordinary	(25,480)	(25,480)
8-Feb-19	The Vanguard Group, Inc.	Buy	12.43	Ordinary	11,340	11,340
8-Feb-19	The Vanguard Group, Inc.	Buy	12.42	Ordinary	32,991	32,991
11-Feb-19	The Vanguard Group, Inc.	Sell	12.46	Ordinary	(17,640)	(17,640)
11-Feb-19	The Vanguard Group, Inc.	Buy	12.46	Ordinary	52,180	52,180
12-Feb-19	The Vanguard Group, Inc.	Buy	12.30	Ordinary	56,605	56,605
12-Feb-19	The Vanguard Group, Inc.	Sell	12.22	Ordinary	(135,964)	(135,964)
13-Feb-19	The Vanguard Group, Inc.	Buy	12.16	Ordinary	22,928	22,928
13-Feb-19	The Vanguard Group, Inc.	Sell	12.14	Ordinary	(11,760)	(11,760)
14-Feb-19	The Vanguard Group, Inc.	Buy	12.20	Ordinary	5,700	5,700
14-Feb-19	The Vanguard Group, Inc.	Buy	12.19	Ordinary	107,098	107,098
15-Feb-19	The Vanguard Group, Inc.	Sell	12.19	Ordinary	(4,058)	(4,058)
15-Feb-19	The Vanguard Group, Inc.	Sell	12.21	Ordinary	(851)	(851)
18-Feb-19	The Vanguard Group, Inc.	Buy	12.18	Ordinary	9,257	9,257
20-Feb-19	The Vanguard Group, Inc.	Buy	12.24	Ordinary	91,260	91,260
20-Feb-19	The Vanguard Group, Inc.	Sell	12.26	Ordinary	(15,000)	(15,000)
20-Feb-19	The Vanguard Group, Inc.	Buy	12.26	Ordinary	44,746	44,746
20-Feb-19	The Vanguard Group, Inc.	Buy	12.26	Ordinary	2,027	2,027
21-Feb-19	The Vanguard Group, Inc.	Buy	12.30	Ordinary	56,932	56,932
21-Feb-19	The Vanguard Group, Inc.	Sell	12.41	Ordinary	(14,203)	(14,203)
21-Feb-19	The Vanguard Group, Inc.	Sell	12.41	Ordinary	(9,800)	(9,800)
21-Feb-19	The Vanguard Group, Inc.	Buy	12.40	Ordinary	971	971
22-Feb-19	The Vanguard Group, Inc.	Buy	12.42	Ordinary	22,765	22,765
22-Feb-19	The Vanguard Group, Inc.	Sell	12.56	Ordinary	(58,841)	(58,841)
26-Feb-19	The Vanguard Group, Inc.	Buy	12.40	Ordinary	22,435	22,435
26-Feb-19	The Vanguard Group, Inc.	Buy	12.49	Ordinary	13,530	13,530
26-Feb-19	The Vanguard Group, Inc.	Buy	12.45	Ordinary	126,819	126,819
26-Feb-19	The Vanguard Group, Inc.	Buy	12.49	Ordinary	1,141	1,141
27-Feb-19	The Vanguard Group, Inc.	Buy	12.42	Ordinary	3,340	3,340
27-Feb-19	The Vanguard Group, Inc.	Buy	12.40	Ordinary	1,446	1,446
28-Feb-19	The Vanguard Group, Inc.	Sell	12.42	Ordinary	(11,158)	(11,158)
28-Feb-19	The Vanguard Group, Inc.	Buy	12.48	Ordinary	4,292	4,292
28-Feb-19	The Vanguard Group, Inc.	Sell	12.47	Ordinary	(28,819)	(28,819)
28-Feb-19	The Vanguard Group, Inc.	Buy	12.48	Ordinary	103,705	103,705
1-Mar-19	The Vanguard Group, Inc.	Buy	12.48	Ordinary	13,540	13,540
1-Mar-19	The Vanguard Group, Inc.	Sell	12.48	Ordinary	(52,535)	(52,535)
1-Mar-19	The Vanguard Group, Inc.	Sell	12.48	Ordinary	(6,643)	(6,643)
1-Mar-19	The Vanguard Group, Inc.	Buy	12.48	Ordinary	1,740	1,740
4-Mar-19	The Vanguard Group, Inc.	Buy	12.50	Ordinary	40,410	40,410
4-Mar-19	The Vanguard Group, Inc.	Sell	12.50	Ordinary	(68,238)	(68,238)
4-Mar-19	The Vanguard Group, Inc.	Sell	12.50	Ordinary	(6,141)	(6,141)
5-Mar-19	The Vanguard Group, Inc.	Buy	12.42	Ordinary	16,236	16,236
5-Mar-19	The Vanguard Group, Inc.	Sell	12.41	Ordinary	(12,964)	(12,964)
5-Mar-19	The Vanguard Group, Inc.	Buy	12.41	Ordinary	462	462
6-Mar-19	The Vanguard Group, Inc.	Buy	12.46	Ordinary	14,203	14,203
6-Mar-19	The Vanguard Group, Inc.	Buy	12.46	Ordinary	1,356	1,356
6-Mar-19	The Vanguard Group, Inc.	Buy	12.44	Ordinary	15,284	15,284
7-Mar-19	The Vanguard Group, Inc.	Buy	12.49	Ordinary	1,020	1,020
8-Mar-19	The Vanguard Group, Inc.	Buy	12.51	Ordinary	13,530	13,530
8-Mar-19	The Vanguard Group, Inc.	Buy	12.53	Ordinary	16,072	16,072
8-Mar-19	The Vanguard Group, Inc.	Buy	12.55	Ordinary	1,382	1,382
8-Mar-19	The Vanguard Group, Inc.	Buy	12.53	Ordinary	1,324	1,324
11-Mar-19	The Vanguard Group, Inc.	Buy	12.54	Ordinary	1,446	1,446
12-Mar-19	The Vanguard Group, Inc.	Buy	12.56	Ordinary	111,834	111,834
12-Mar-19	The Vanguard Group, Inc.	Buy	12.56	Ordinary	1,631	1,631
12-Mar-19	The Vanguard Group, Inc.	Sell	12.46	Ordinary	(9,438)	(9,438)
13-Mar-19	The Vanguard Group, Inc.	Buy	12.47	Ordinary	272,711	272,711
14-Mar-19	The Vanguard Group, Inc.	Buy	12.54	Ordinary	139,318	139,318
14-Mar-19	The Vanguard Group, Inc.	Sell	12.56	Ordinary	(21,742)	(21,742)
15-Mar-19	The Vanguard Group, Inc.	Sell	12.65	Ordinary	(39,703)	(39,703)
15-Mar-19	The Vanguard Group, Inc.	Buy	12.65	Ordinary	3,180	3,180

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
15-Mar-19	The Vanguard Group, Inc.	Buy	12.65	Ordinary	873	873
15-Mar-19	The Vanguard Group, Inc.	Sell	12.65	Ordinary	(6,373)	(6,373)
15-Mar-19	The Vanguard Group, Inc.	Sell	12.65	Ordinary	(3,648)	(3,648)
15-Mar-19	The Vanguard Group, Inc.	Buy	12.65	Ordinary	190	190
15-Mar-19	The Vanguard Group, Inc.	Buy	12.65	Ordinary	52	52
15-Mar-19	The Vanguard Group, Inc.	Buy	12.65	Ordinary	59	59
15-Mar-19	The Vanguard Group, Inc.	Buy	12.65	Ordinary	219	219
18-Mar-19	The Vanguard Group, Inc.	Buy	12.72	Ordinary	7,126	7,126
19-Mar-19	The Vanguard Group, Inc.	Buy	12.75	Ordinary	18,852	18,852
19-Mar-19	The Vanguard Group, Inc.	Buy	12.75	Ordinary	718	718
20-Mar-19	The Vanguard Group, Inc.	Buy	12.78	Ordinary	55,243	55,243
20-Mar-19	The Vanguard Group, Inc.	Buy	12.77	Ordinary	8,118	8,118
21-Mar-19	The Vanguard Group, Inc.	Buy	12.75	Ordinary	1,382	1,382
21-Mar-19	The Vanguard Group, Inc.	Buy	12.79	Ordinary	2,223	2,223
21-Mar-19	The Vanguard Group, Inc.	Buy	12.75	Ordinary	344	344
22-Mar-19	The Vanguard Group, Inc.	Buy	12.89	Ordinary	55,398	55,398
25-Mar-19	The Vanguard Group, Inc.	Sell	12.90	Ordinary	(5,054)	(5,054)
26-Mar-19	The Vanguard Group, Inc.	Buy	13.08	Ordinary	55,989	55,989
27-Mar-19	The Vanguard Group, Inc.	Buy	13.10	Ordinary	55,305	55,305
27-Mar-19	The Vanguard Group, Inc.	Sell	13.12	Ordinary	(1,722)	(1,722)
27-Mar-19	The Vanguard Group, Inc.	Buy	13.07	Ordinary	3,490	3,490
27-Mar-19	The Vanguard Group, Inc.	Sell	13.12	Ordinary	(22,701)	(22,701)
27-Mar-19	The Vanguard Group, Inc.	Buy	13.10	Ordinary	1,262	1,262
28-Mar-19	The Vanguard Group, Inc.	Sell	13.21	Ordinary	(7,886)	(7,886)
29-Mar-19	The Vanguard Group, Inc.	Buy	13.20	Ordinary	79,579	79,579
29-Mar-19	The Vanguard Group, Inc.	Sell	13.21	Ordinary	(8,800)	(8,800)
29-Mar-19	The Vanguard Group, Inc.	Buy	13.20	Ordinary	1,446	1,446
29-Mar-19	The Vanguard Group, Inc.	Sell	13.20	Ordinary	(36,084)	(36,084)
1-Apr-19	The Vanguard Group, Inc.	Buy	13.12	Ordinary	10,824	10,824
1-Apr-19	The Vanguard Group, Inc.	Buy	13.12	Ordinary	3,490	3,490
1-Apr-19	The Vanguard Group, Inc.	Buy	13.20	Ordinary	3,644	3,644
1-Apr-19	The Vanguard Group, Inc.	Buy	13.11	Ordinary	1,354	1,354
2-Apr-19	The Vanguard Group, Inc.	Buy	13.17	Ordinary	67,229	67,229
2-Apr-19	The Vanguard Group, Inc.	Buy	13.17	Ordinary	8,671	8,671
2-Apr-19	The Vanguard Group, Inc.	Buy	13.19	Ordinary	10,568	10,568
3-Apr-19	The Vanguard Group, Inc.	Buy	13.28	Ordinary	53,247	53,247
3-Apr-19	The Vanguard Group, Inc.	Buy	13.28	Ordinary	21,467	21,467
4-Apr-19	The Vanguard Group, Inc.	Buy	13.15	Ordinary	5,253	5,253
4-Apr-19	The Vanguard Group, Inc.	Sell	13.15	Ordinary	(20,406)	(20,406)
4-Apr-19	The Vanguard Group, Inc.	Buy	13.15	Ordinary	841	841
5-Apr-19	The Vanguard Group, Inc.	Buy	13.05	Ordinary	10,180	10,180
5-Apr-19	The Vanguard Group, Inc.	Buy	13.05	Ordinary	3,490	3,490
8-Apr-19	The Vanguard Group, Inc.	Sell	13.15	Ordinary	(21,120)	(21,120)
8-Apr-19	The Vanguard Group, Inc.	Buy	13.15	Ordinary	3,490	3,490
9-Apr-19	The Vanguard Group, Inc.	Sell	13.16	Ordinary	(15,852)	(15,852)
10-Apr-19	The Vanguard Group, Inc.	Buy	13.26	Ordinary	103,232	103,232
10-Apr-19	The Vanguard Group, Inc.	Buy	13.27	Ordinary	9,232	9,232
10-Apr-19	The Vanguard Group, Inc.	Buy	13.27	Ordinary	64,171	64,171
10-Apr-19	The Vanguard Group, Inc.	Buy	13.27	Ordinary	3,041	3,041
12-Apr-19	The Vanguard Group, Inc.	Buy	13.43	Ordinary	52,499	52,499
12-Apr-19	The Vanguard Group, Inc.	Buy	13.38	Ordinary	24,555	24,555
15-Apr-19	The Vanguard Group, Inc.	Buy	13.43	Ordinary	21,001	21,001
15-Apr-19	The Vanguard Group, Inc.	Sell	13.37	Ordinary	(12,320)	(12,320)
16-Apr-19	The Vanguard Group, Inc.	Buy	13.34	Ordinary	52,296	52,296
16-Apr-19	The Vanguard Group, Inc.	Buy	13.32	Ordinary	188,422	188,422
16-Apr-19	The Vanguard Group, Inc.	Buy	13.30	Ordinary	1,392	1,392
16-Apr-19	The Vanguard Group, Inc.	Buy	13.32	Ordinary	1,446	1,446
17-Apr-19	The Vanguard Group, Inc.	Buy	13.27	Ordinary	621	621
18-Apr-19	The Vanguard Group, Inc.	Buy	13.19	Ordinary	33,953	33,953
23-Apr-19	The Vanguard Group, Inc.	Buy	13.39	Ordinary	9,162	9,162
23-Apr-19	The Vanguard Group, Inc.	Sell	13.39	Ordinary	(7,040)	(7,040)
23-Apr-19	The Vanguard Group, Inc.	Sell	13.36	Ordinary	(14,293)	(14,293)
24-Apr-19	The Vanguard Group, Inc.	Buy	13.48	Ordinary	57,960	57,960
24-Apr-19	The Vanguard Group, Inc.	Sell	13.65	Ordinary	(32,892)	(32,892)
24-Apr-19	The Vanguard Group, Inc.	Buy	13.65	Ordinary	2,102	2,102
24-Apr-19	The Vanguard Group, Inc.	Buy	13.48	Ordinary	321	321

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
25-Apr-19	The Vanguard Group, Inc.	Sell	13.68	Ordinary	(8,800)	(8,800)
26-Apr-19	The Vanguard Group, Inc.	Buy	13.74	Ordinary	13,530	13,530
26-Apr-19	The Vanguard Group, Inc.	Sell	13.74	Ordinary	(8,800)	(8,800)
26-Apr-19	The Vanguard Group, Inc.	Sell	13.68	Ordinary	(829)	(829)
30-Apr-19	The Vanguard Group, Inc.	Buy	13.43	Ordinary	2,139	2,139
2-May-19	The Vanguard Group, Inc.	Buy	13.55	Ordinary	149,441	149,441
3-May-19	The Vanguard Group, Inc.	Buy	13.56	Ordinary	5,253	5,253
3-May-19	The Vanguard Group, Inc.	Buy	13.55	Ordinary	3,066	3,066
3-May-19	The Vanguard Group, Inc.	Buy	13.57	Ordinary	27,259	27,259
6-May-19	The Vanguard Group, Inc.	Sell	13.57	Ordinary	(14,334)	(14,334)
7-May-19	The Vanguard Group, Inc.	Buy	13.60	Ordinary	17,821	17,821
7-May-19	The Vanguard Group, Inc.	Buy	13.45	Ordinary	5,090	5,090
7-May-19	The Vanguard Group, Inc.	Buy	13.60	Ordinary	43,718	43,718
7-May-19	The Vanguard Group, Inc.	Buy	13.57	Ordinary	5,253	5,253
8-May-19	The Vanguard Group, Inc.	Sell	13.39	Ordinary	(14,334)	(14,334)
8-May-19	The Vanguard Group, Inc.	Buy	13.41	Ordinary	75,306	75,306
8-May-19	The Vanguard Group, Inc.	Buy	13.41	Ordinary	21,128	21,128
8-May-19	The Vanguard Group, Inc.	Buy	13.39	Ordinary	2,139	2,139
8-May-19	The Vanguard Group, Inc.	Buy	13.39	Ordinary	1,382	1,382
8-May-19	The Vanguard Group, Inc.	Buy	13.41	Ordinary	23,497	23,497
9-May-19	The Vanguard Group, Inc.	Buy	13.44	Ordinary	16,236	16,236
9-May-19	The Vanguard Group, Inc.	Buy	13.44	Ordinary	3,532	3,532
10-May-19	The Vanguard Group, Inc.	Buy	13.51	Ordinary	65,472	65,472
10-May-19	The Vanguard Group, Inc.	Buy	13.51	Ordinary	21,472	21,472
10-May-19	The Vanguard Group, Inc.	Buy	13.58	Ordinary	1,382	1,382
10-May-19	The Vanguard Group, Inc.	Sell	13.58	Ordinary	(43,301)	(43,301)
10-May-19	The Vanguard Group, Inc.	Buy	13.58	Ordinary	2,663	2,663
13-May-19	The Vanguard Group, Inc.	Buy	13.67	Ordinary	7,697	7,697
13-May-19	The Vanguard Group, Inc.	Buy	13.82	Ordinary	2,157	2,157
14-May-19	The Vanguard Group, Inc.	Sell	13.71	Ordinary	(14,334)	(14,334)
14-May-19	The Vanguard Group, Inc.	Buy	13.71	Ordinary	7,840	7,840
14-May-19	The Vanguard Group, Inc.	Buy	13.71	Ordinary	1,766	1,766
14-May-19	The Vanguard Group, Inc.	Buy	13.73	Ordinary	1,446	1,446
14-May-19	The Vanguard Group, Inc.	Buy	13.69	Ordinary	843	843
15-May-19	The Vanguard Group, Inc.	Buy	13.70	Ordinary	52,594	52,594
15-May-19	The Vanguard Group, Inc.	Buy	13.68	Ordinary	35,234	35,234
16-May-19	The Vanguard Group, Inc.	Buy	13.83	Ordinary	415,960	415,960
17-May-19	The Vanguard Group, Inc.	Buy	14.04	Ordinary	52,123	52,123
17-May-19	The Vanguard Group, Inc.	Buy	14.04	Ordinary	25,394	25,394
17-May-19	The Vanguard Group, Inc.	Buy	13.95	Ordinary	2,570	2,570
17-May-19	The Vanguard Group, Inc.	Buy	14.04	Ordinary	764	764
20-May-19	The Vanguard Group, Inc.	Buy	13.73	Ordinary	5,090	5,090
21-May-19	The Vanguard Group, Inc.	Buy	13.72	Ordinary	201,423	201,423
21-May-19	The Vanguard Group, Inc.	Buy	13.72	Ordinary	20,846	20,846
21-May-19	The Vanguard Group, Inc.	Buy	13.74	Ordinary	12,432	12,432
22-May-19	The Vanguard Group, Inc.	Buy	13.80	Ordinary	178,227	178,227
22-May-19	The Vanguard Group, Inc.	Buy	13.80	Ordinary	16,209	16,209
22-May-19	The Vanguard Group, Inc.	Buy	13.78	Ordinary	12,582	12,582
23-May-19	The Vanguard Group, Inc.	Buy	13.81	Ordinary	64,472	64,472
24-May-19	The Vanguard Group, Inc.	Buy	13.84	Ordinary	193,303	193,303
24-May-19	The Vanguard Group, Inc.	Buy	13.80	Ordinary	4,403	4,403
27-May-19	The Vanguard Group, Inc.	Buy	13.80	Ordinary	334	334
28-May-19	The Vanguard Group, Inc.	Buy	13.91	Ordinary	13,530	13,530
28-May-19	The Vanguard Group, Inc.	Sell	13.95	Ordinary	(32,246)	(32,246)
28-May-19	The Vanguard Group, Inc.	Buy	13.95	Ordinary	19,533	19,533
29-May-19	The Vanguard Group, Inc.	Buy	13.79	Ordinary	5,937	5,937
29-May-19	The Vanguard Group, Inc.	Sell	13.68	Ordinary	(17,600)	(17,600)
29-May-19	The Vanguard Group, Inc.	Sell	13.70	Ordinary	(1,929)	(1,929)
29-May-19	The Vanguard Group, Inc.	Buy	13.70	Ordinary	2,432	2,432
30-May-19	The Vanguard Group, Inc.	Buy	13.68	Ordinary	104,230	104,230
30-May-19	The Vanguard Group, Inc.	Buy	13.69	Ordinary	1,382	1,382
31-May-19	The Vanguard Group, Inc.	Sell	13.93	Ordinary	(73,958)	(73,958)
3-Jun-19	The Vanguard Group, Inc.	Buy	14.02	Ordinary	5,090	5,090
3-Jun-19	The Vanguard Group, Inc.	Sell	13.93	Ordinary	(1,859)	(1,859)
4-Jun-19	The Vanguard Group, Inc.	Sell	14.36	Ordinary	(8,800)	(8,800)
4-Jun-19	The Vanguard Group, Inc.	Buy	14.11	Ordinary	22,910	22,910

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5-Jun-19	The Vanguard Group, Inc.	Sell	14.36	Ordinary	(19,112)	(19,112)
5-Jun-19	The Vanguard Group, Inc.	Sell	14.36	Ordinary	(9,556)	(9,556)
5-Jun-19	The Vanguard Group, Inc.	Buy	14.57	Ordinary	87,306	87,306
5-Jun-19	The Vanguard Group, Inc.	Sell	14.59	Ordinary	(904)	(904)
5-Jun-19	The Vanguard Group, Inc.	Sell	14.32	Ordinary	(5,253)	(5,253)
6-Jun-19	The Vanguard Group, Inc.	Buy	14.27	Ordinary	3,532	3,532
6-Jun-19	The Vanguard Group, Inc.	Buy	14.23	Ordinary	1,446	1,446
6-Jun-19	The Vanguard Group, Inc.	Sell	14.23	Ordinary	(85,864)	(85,864)
6-Jun-19	The Vanguard Group, Inc.	Buy	14.40	Ordinary	1,164	1,164
7-Jun-19	The Vanguard Group, Inc.	Buy	14.29	Ordinary	3,532	3,532
7-Jun-19	The Vanguard Group, Inc.	Buy	14.29	Ordinary	1,426	1,426
7-Jun-19	The Vanguard Group, Inc.	Buy	14.26	Ordinary	100,153	100,153
7-Jun-19	The Vanguard Group, Inc.	Buy	14.26	Ordinary	713	713
10-Jun-19	The Vanguard Group, Inc.	Buy	14.31	Ordinary	6,108	6,108
10-Jun-19	The Vanguard Group, Inc.	Buy	14.31	Ordinary	2,139	2,139
11-Jun-19	The Vanguard Group, Inc.	Sell	14.68	Ordinary	(11,945)	(11,945)
11-Jun-19	The Vanguard Group, Inc.	Buy	14.68	Ordinary	1,382	1,382
11-Jun-19	The Vanguard Group, Inc.	Buy	14.68	Ordinary	1,200	1,200
11-Jun-19	The Vanguard Group, Inc.	Buy	14.38	Ordinary	101	101
12-Jun-19	The Vanguard Group, Inc.	Buy	14.54	Ordinary	6,108	6,108
12-Jun-19	The Vanguard Group, Inc.	Sell	14.55	Ordinary	(52,275)	(52,275)
12-Jun-19	The Vanguard Group, Inc.	Buy	14.55	Ordinary	1,812	1,812
13-Jun-19	The Vanguard Group, Inc.	Buy	14.69	Ordinary	2,036	2,036
13-Jun-19	The Vanguard Group, Inc.	Sell	14.64	Ordinary	(86,946)	(86,946)
14-Jun-19	The Vanguard Group, Inc.	Sell	14.51	Ordinary	(3,892)	(3,892)
14-Jun-19	The Vanguard Group, Inc.	Sell	14.51	Ordinary	(7,167)	(7,167)
14-Jun-19	The Vanguard Group, Inc.	Buy	14.51	Ordinary	1,426	1,426
14-Jun-19	The Vanguard Group, Inc.	Buy	14.51	Ordinary	1,426	1,426
14-Jun-19	The Vanguard Group, Inc.	Sell	14.55	Ordinary	(73,182)	(73,182)
17-Jun-19	The Vanguard Group, Inc.	Buy	14.56	Ordinary	1,446	1,446
17-Jun-19	The Vanguard Group, Inc.	Sell	14.56	Ordinary	(22,159)	(22,159)
18-Jun-19	The Vanguard Group, Inc.	Sell	14.56	Ordinary	(15,244)	(15,244)
18-Jun-19	The Vanguard Group, Inc.	Buy	14.76	Ordinary	3,532	3,532
19-Jun-19	The Vanguard Group, Inc.	Buy	14.89	Ordinary	27,168	27,168
19-Jun-19	The Vanguard Group, Inc.	Sell	14.89	Ordinary	(26,833)	(26,833)
20-Jun-19	The Vanguard Group, Inc.	Buy	15.34	Ordinary	5,090	5,090
21-Jun-19	The Vanguard Group, Inc.	Buy	15.27	Ordinary	2,545	2,545
21-Jun-19	The Vanguard Group, Inc.	Sell	15.26	Ordinary	(114,252)	(114,252)
21-Jun-19	The Vanguard Group, Inc.	Sell	15.26	Ordinary	(985)	(985)
21-Jun-19	The Vanguard Group, Inc.	Buy	15.26	Ordinary	2,181	2,181
24-Jun-19	The Vanguard Group, Inc.	Buy	15.24	Ordinary	15,680	15,680
24-Jun-19	The Vanguard Group, Inc.	Buy	15.25	Ordinary	2,308	2,308
25-Jun-19	The Vanguard Group, Inc.	Sell	15.15	Ordinary	(7,167)	(7,167)
25-Jun-19	The Vanguard Group, Inc.	Buy	15.15	Ordinary	4,581	4,581
25-Jun-19	The Vanguard Group, Inc.	Buy	15.15	Ordinary	3,054	3,054
25-Jun-19	The Vanguard Group, Inc.	Buy	15.19	Ordinary	5,158	5,158
26-Jun-19	The Vanguard Group, Inc.	Buy	15.27	Ordinary	3,563	3,563
26-Jun-19	The Vanguard Group, Inc.	Buy	15.27	Ordinary	6,108	6,108
26-Jun-19	The Vanguard Group, Inc.	Buy	15.20	Ordinary	18,966	18,966
26-Jun-19	The Vanguard Group, Inc.	Buy	15.29	Ordinary	263,440	263,440
26-Jun-19	The Vanguard Group, Inc.	Buy	15.29	Ordinary	5,253	5,253
26-Jun-19	The Vanguard Group, Inc.	Buy	15.29	Ordinary	8,064	8,064
27-Jun-19	The Vanguard Group, Inc.	Buy	14.91	Ordinary	46,921	46,921
27-Jun-19	The Vanguard Group, Inc.	Buy	14.91	Ordinary	23,499	23,499
27-Jun-19	The Vanguard Group, Inc.	Sell	14.97	Ordinary	(2,259)	(2,259)
28-Jun-19	The Vanguard Group, Inc.	Buy	14.74	Ordinary	62,352	62,352
28-Jun-19	The Vanguard Group, Inc.	Buy	14.75	Ordinary	7,160	7,160
28-Jun-19	The Vanguard Group, Inc.	Sell	14.74	Ordinary	(219)	(219)
28-Jun-19	The Vanguard Group, Inc.	Sell	14.74	Ordinary	(146)	(146)
1-Jul-19	The Vanguard Group, Inc.	Buy	14.71	Ordinary	1,432	1,432
1-Jul-19	The Vanguard Group, Inc.	Buy	14.74	Ordinary	3,377	3,377
1-Jul-19	The Vanguard Group, Inc.	Buy	14.74	Ordinary	2,173	2,173
2-Jul-19	The Vanguard Group, Inc.	Buy	14.68	Ordinary	4,581	4,581
2-Jul-19	The Vanguard Group, Inc.	Buy	14.67	Ordinary	49,373	49,373
2-Jul-19	The Vanguard Group, Inc.	Sell	14.67	Ordinary	(20)	(20)
3-Jul-19	The Vanguard Group, Inc.	Buy	14.79	Ordinary	18,112	18,112

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4-Jul-19	The Vanguard Group, Inc.	Buy	15.13	Ordinary	23,962	23,962
5-Jul-19	The Vanguard Group, Inc.	Buy	15.33	Ordinary	10,880	10,880
5-Jul-19	The Vanguard Group, Inc.	Buy	15.32	Ordinary	854	854
9-Jul-19	The Vanguard Group, Inc.	Buy	15.23	Ordinary	5,090	5,090
9-Jul-19	The Vanguard Group, Inc.	Buy	15.18	Ordinary	1,446	1,446
10-Jul-19	The Vanguard Group, Inc.	Buy	15.44	Ordinary	55,896	55,896
10-Jul-19	The Vanguard Group, Inc.	Buy	15.44	Ordinary	28,977	28,977
10-Jul-19	The Vanguard Group, Inc.	Buy	15.38	Ordinary	7,974	7,974
12-Jul-19	The Vanguard Group, Inc.	Buy	15.30	Ordinary	9,751	9,751
12-Jul-19	The Vanguard Group, Inc.	Buy	15.30	Ordinary	46,499	46,499
12-Jul-19	The Vanguard Group, Inc.	Sell	15.25	Ordinary	(9,810)	(9,810)
12-Jul-19	The Vanguard Group, Inc.	Sell	15.25	Ordinary	(40,754)	(40,754)
15-Jul-19	The Vanguard Group, Inc.	Buy	14.92	Ordinary	16,320	16,320
16-Jul-19	The Vanguard Group, Inc.	Buy	14.90	Ordinary	47,677	47,677
16-Jul-19	The Vanguard Group, Inc.	Buy	14.90	Ordinary	851	851
17-Jul-19	The Vanguard Group, Inc.	Buy	15.01	Ordinary	2,545	2,545
17-Jul-19	The Vanguard Group, Inc.	Buy	15.01	Ordinary	3,563	3,563
17-Jul-19	The Vanguard Group, Inc.	Buy	15.01	Ordinary	5,090	5,090
17-Jul-19	The Vanguard Group, Inc.	Sell	15.00	Ordinary	(2,282)	(2,282)
18-Jul-19	The Vanguard Group, Inc.	Buy	14.97	Ordinary	47,420	47,420
18-Jul-19	The Vanguard Group, Inc.	Buy	14.99	Ordinary	1,437	1,437
19-Jul-19	The Vanguard Group, Inc.	Buy	15.05	Ordinary	3,378	3,378
22-Jul-19	The Vanguard Group, Inc.	Buy	15.05	Ordinary	5,090	5,090
22-Jul-19	The Vanguard Group, Inc.	Buy	15.05	Ordinary	13,600	13,600
22-Jul-19	The Vanguard Group, Inc.	Buy	15.05	Ordinary	13,600	13,600
22-Jul-19	The Vanguard Group, Inc.	Buy	15.05	Ordinary	3,378	3,378
22-Jul-19	The Vanguard Group, Inc.	Sell	15.02	Ordinary	(47,124)	(47,124)
23-Jul-19	The Vanguard Group, Inc.	Buy	15.11	Ordinary	5,090	5,090
23-Jul-19	The Vanguard Group, Inc.	Buy	15.07	Ordinary	1,382	1,382
23-Jul-19	The Vanguard Group, Inc.	Buy	15.24	Ordinary	24,465	24,465
24-Jul-19	The Vanguard Group, Inc.	Buy	15.26	Ordinary	47,372	47,372
25-Jul-19	The Vanguard Group, Inc.	Buy	15.45	Ordinary	5,880	5,880
26-Jul-19	The Vanguard Group, Inc.	Buy	15.44	Ordinary	4,581	4,581
26-Jul-19	The Vanguard Group, Inc.	Buy	15.44	Ordinary	9,800	9,800
26-Jul-19	The Vanguard Group, Inc.	Buy	15.44	Ordinary	3,378	3,378
26-Jul-19	The Vanguard Group, Inc.	Sell	15.40	Ordinary	(10,461)	(10,461)
26-Jul-19	The Vanguard Group, Inc.	Buy	15.40	Ordinary	727	727
29-Jul-19	The Vanguard Group, Inc.	Sell	15.56	Ordinary	(58,034)	(58,034)
30-Jul-19	The Vanguard Group, Inc.	Sell	15.56	Ordinary	(9,556)	(9,556)
30-Jul-19	The Vanguard Group, Inc.	Sell	15.67	Ordinary	(1,016)	(1,016)
30-Jul-19	The Vanguard Group, Inc.	Buy	15.56	Ordinary	1,460	1,460
30-Jul-19	The Vanguard Group, Inc.	Buy	15.60	Ordinary	5,253	5,253
30-Jul-19	The Vanguard Group, Inc.	Buy	15.60	Ordinary	34,584	34,584
31-Jul-19	The Vanguard Group, Inc.	Buy	15.50	Ordinary	4,581	4,581
1-Aug-19	The Vanguard Group, Inc.	Buy	15.72	Ordinary	156,222	156,222
1-Aug-19	The Vanguard Group, Inc.	Buy	15.78	Ordinary	24,480	24,480
1-Aug-19	The Vanguard Group, Inc.	Sell	15.76	Ordinary	(100,385)	(100,385)
1-Aug-19	The Vanguard Group, Inc.	Sell	15.62	Ordinary	(2,302)	(2,302)
2-Aug-19	The Vanguard Group, Inc.	Buy	15.82	Ordinary	83,280	83,280
2-Aug-19	The Vanguard Group, Inc.	Buy	16.01	Ordinary	7,840	7,840
5-Aug-19	The Vanguard Group, Inc.	Buy	15.49	Ordinary	5,090	5,090
5-Aug-19	The Vanguard Group, Inc.	Sell	15.49	Ordinary	(8,800)	(8,800)
5-Aug-19	The Vanguard Group, Inc.	Sell	15.49	Ordinary	(3,520)	(3,520)
5-Aug-19	The Vanguard Group, Inc.	Buy	15.49	Ordinary	9,800	9,800
5-Aug-19	The Vanguard Group, Inc.	Buy	15.92	Ordinary	9,264	9,264
5-Aug-19	The Vanguard Group, Inc.	Buy	15.62	Ordinary	2,764	2,764
6-Aug-19	The Vanguard Group, Inc.	Buy	15.26	Ordinary	61,296	61,296
6-Aug-19	The Vanguard Group, Inc.	Sell	15.37	Ordinary	(29,920)	(29,920)
6-Aug-19	The Vanguard Group, Inc.	Sell	15.37	Ordinary	(14,080)	(14,080)
6-Aug-19	The Vanguard Group, Inc.	Buy	15.37	Ordinary	1,689	1,689
6-Aug-19	The Vanguard Group, Inc.	Buy	15.37	Ordinary	1,460	1,460
6-Aug-19	The Vanguard Group, Inc.	Buy	15.26	Ordinary	37,017	37,017
6-Aug-19	The Vanguard Group, Inc.	Buy	15.23	Ordinary	1,376	1,376
8-Aug-19	The Vanguard Group, Inc.	Sell	15.26	Ordinary	(11,945)	(11,945)
8-Aug-19	The Vanguard Group, Inc.	Buy	14.97	Ordinary	4,548	4,548
8-Aug-19	The Vanguard Group, Inc.	Buy	14.97	Ordinary	75,461	75,461

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
8-Aug-19	The Vanguard Group, Inc.	Buy	14.97	Ordinary	33,584	33,584
8-Aug-19	The Vanguard Group, Inc.	Buy	14.97	Ordinary	7,272	7,272
8-Aug-19	The Vanguard Group, Inc.	Sell	14.96	Ordinary	(1,036)	(1,036)
8-Aug-19	The Vanguard Group, Inc.	Buy	14.97	Ordinary	22,455	22,455
8-Aug-19	The Vanguard Group, Inc.	Buy	15.19	Ordinary	3,956	3,956
9-Aug-19	The Vanguard Group, Inc.	Buy	15.18	Ordinary	55,871	55,871
9-Aug-19	The Vanguard Group, Inc.	Buy	15.18	Ordinary	7,288	7,288
9-Aug-19	The Vanguard Group, Inc.	Buy	15.13	Ordinary	5,067	5,067
12-Aug-19	The Vanguard Group, Inc.	Buy	15.08	Ordinary	8,144	8,144
12-Aug-19	The Vanguard Group, Inc.	Buy	15.15	Ordinary	1,382	1,382
12-Aug-19	The Vanguard Group, Inc.	Buy	15.12	Ordinary	1,731	1,731
13-Aug-19	The Vanguard Group, Inc.	Sell	15.16	Ordinary	(16,723)	(16,723)
13-Aug-19	The Vanguard Group, Inc.	Buy	15.19	Ordinary	25,608	25,608
13-Aug-19	The Vanguard Group, Inc.	Buy	15.16	Ordinary	3,378	3,378
13-Aug-19	The Vanguard Group, Inc.	Buy	15.12	Ordinary	1,719	1,719
14-Aug-19	The Vanguard Group, Inc.	Buy	15.09	Ordinary	1,446	1,446
14-Aug-19	The Vanguard Group, Inc.	Sell	15.11	Ordinary	(2,553)	(2,553)
15-Aug-19	The Vanguard Group, Inc.	Sell	14.78	Ordinary	(14,334)	(14,334)
15-Aug-19	The Vanguard Group, Inc.	Buy	14.90	Ordinary	68,036	68,036
15-Aug-19	The Vanguard Group, Inc.	Buy	14.90	Ordinary	3,827	3,827
15-Aug-19	The Vanguard Group, Inc.	Buy	14.79	Ordinary	1,978	1,978
16-Aug-19	The Vanguard Group, Inc.	Buy	14.80	Ordinary	82,977	82,977
16-Aug-19	The Vanguard Group, Inc.	Buy	14.77	Ordinary	55,592	55,592
16-Aug-19	The Vanguard Group, Inc.	Buy	14.77	Ordinary	1,473	1,473
16-Aug-19	The Vanguard Group, Inc.	Sell	14.77	Ordinary	(6,270)	(6,270)
19-Aug-19	The Vanguard Group, Inc.	Buy	14.91	Ordinary	1,460	1,460
19-Aug-19	The Vanguard Group, Inc.	Buy	14.85	Ordinary	28,870	28,870
19-Aug-19	The Vanguard Group, Inc.	Sell	14.85	Ordinary	(1,792)	(1,792)
20-Aug-19	The Vanguard Group, Inc.	Buy	14.90	Ordinary	51,181	51,181
20-Aug-19	The Vanguard Group, Inc.	Sell	14.95	Ordinary	(7,040)	(7,040)
20-Aug-19	The Vanguard Group, Inc.	Buy	14.95	Ordinary	1,460	1,460
20-Aug-19	The Vanguard Group, Inc.	Sell	14.94	Ordinary	(3,501)	(3,501)
22-Aug-19	The Vanguard Group, Inc.	Buy	14.93	Ordinary	10,180	10,180
22-Aug-19	The Vanguard Group, Inc.	Sell	15.08	Ordinary	(22,994)	(22,994)
23-Aug-19	The Vanguard Group, Inc.	Buy	14.80	Ordinary	1,460	1,460
23-Aug-19	The Vanguard Group, Inc.	Buy	14.90	Ordinary	17,035	17,035
27-Aug-19	The Vanguard Group, Inc.	Sell	14.90	Ordinary	(11,438)	(11,438)
29-Aug-19	The Vanguard Group, Inc.	Buy	14.88	Ordinary	37,467	37,467
30-Aug-19	The Vanguard Group, Inc.	Buy	15.00	Ordinary	20,234	20,234
30-Aug-19	The Vanguard Group, Inc.	Buy	14.95	Ordinary	45,981	45,981
2-Sep-19	The Vanguard Group, Inc.	Buy	14.88	Ordinary	26,819	26,819
5-Sep-19	The Vanguard Group, Inc.	Buy	14.98	Ordinary	41,801	41,801
6-Sep-19	The Vanguard Group, Inc.	Buy	15.05	Ordinary	15,556	15,556
6-Sep-19	The Vanguard Group, Inc.	Sell	15.05	Ordinary	(988)	(988)
6-Sep-19	The Vanguard Group, Inc.	Buy	14.91	Ordinary	1,446	1,446
6-Sep-19	The Vanguard Group, Inc.	Sell	15.05	Ordinary	(5,567)	(5,567)
9-Sep-19	The Vanguard Group, Inc.	Buy	14.80	Ordinary	6,617	6,617
10-Sep-19	The Vanguard Group, Inc.	Sell	14.80	Ordinary	(235)	(235)
11-Sep-19	The Vanguard Group, Inc.	Buy	14.21	Ordinary	6,617	6,617
12-Sep-19	The Vanguard Group, Inc.	Buy	14.24	Ordinary	41,166	41,166
12-Sep-19	The Vanguard Group, Inc.	Buy	14.26	Ordinary	5,090	5,090
13-Sep-19	The Vanguard Group, Inc.	Sell	14.32	Ordinary	(1,073)	(1,073)
16-Sep-19	The Vanguard Group, Inc.	Buy	14.20	Ordinary	7,500	7,500
16-Sep-19	The Vanguard Group, Inc.	Buy	14.20	Ordinary	1,460	1,460
16-Sep-19	The Vanguard Group, Inc.	Buy	14.18	Ordinary	14,838	14,838
17-Sep-19	The Vanguard Group, Inc.	Buy	14.43	Ordinary	1,316	1,316
17-Sep-19	The Vanguard Group, Inc.	Buy	14.43	Ordinary	1,787	1,787
18-Sep-19	The Vanguard Group, Inc.	Buy	14.57	Ordinary	4,581	4,581
20-Sep-19	The Vanguard Group, Inc.	Buy	14.81	Ordinary	24,313	24,313
20-Sep-19	The Vanguard Group, Inc.	Buy	14.81	Ordinary	244,599	244,599
20-Sep-19	The Vanguard Group, Inc.	Buy	14.81	Ordinary	25,748	25,748
20-Sep-19	The Vanguard Group, Inc.	Buy	14.81	Ordinary	4,695	4,695
20-Sep-19	The Vanguard Group, Inc.	Buy	14.81	Ordinary	1,967	1,967
20-Sep-19	The Vanguard Group, Inc.	Sell	14.98	Ordinary	(2,514)	(2,514)
20-Sep-19	The Vanguard Group, Inc.	Buy	14.81	Ordinary	2,691	2,691
20-Sep-19	The Vanguard Group, Inc.	Buy	14.81	Ordinary	142	142

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
20-Sep-19	The Vanguard Group, Inc.	Sell	14.98	Ordinary	(4,883)	(4,883)
20-Sep-19	The Vanguard Group, Inc.	Buy	14.81	Ordinary	64	64
23-Sep-19	The Vanguard Group, Inc.	Buy	14.74	Ordinary	5,090	5,090
24-Sep-19	The Vanguard Group, Inc.	Buy	14.70	Ordinary	15,033	15,033
24-Sep-19	The Vanguard Group, Inc.	Buy	14.70	Ordinary	40,482	40,482
24-Sep-19	The Vanguard Group, Inc.	Sell	14.70	Ordinary	(1,588)	(1,588)
24-Sep-19	The Vanguard Group, Inc.	Buy	14.70	Ordinary	1,496	1,496
25-Sep-19	The Vanguard Group, Inc.	Buy	14.73	Ordinary	5,090	5,090
25-Sep-19	The Vanguard Group, Inc.	Buy	14.68	Ordinary	2,212	2,212
25-Sep-19	The Vanguard Group, Inc.	Buy	14.68	Ordinary	39,890	39,890
25-Sep-19	The Vanguard Group, Inc.	Buy	14.70	Ordinary	2,212	2,212
26-Sep-19	The Vanguard Group, Inc.	Buy	14.63	Ordinary	94,207	94,207
26-Sep-19	The Vanguard Group, Inc.	Buy	14.76	Ordinary	24,345	24,345
26-Sep-19	The Vanguard Group, Inc.	Buy	14.76	Ordinary	23,533	23,533
27-Sep-19	The Vanguard Group, Inc.	Sell	14.74	Ordinary	(780)	(780)
27-Sep-19	The Vanguard Group, Inc.	Buy	14.74	Ordinary	1,805	1,805
30-Sep-19	The Vanguard Group, Inc.	Buy	14.71	Ordinary	3,378	3,378
30-Sep-19	The Vanguard Group, Inc.	Sell	14.75	Ordinary	(21,192)	(21,192)
30-Sep-19	The Vanguard Group, Inc.	Sell	14.69	Ordinary	(2,022)	(2,022)
1-Oct-19	The Vanguard Group, Inc.	Buy	14.98	Ordinary	5,267	5,267
2-Oct-19	The Vanguard Group, Inc.	Buy	14.67	Ordinary	1,689	1,689
2-Oct-19	The Vanguard Group, Inc.	Buy	14.67	Ordinary	1,460	1,460
2-Oct-19	The Vanguard Group, Inc.	Buy	14.78	Ordinary	955	955
2-Oct-19	The Vanguard Group, Inc.	Buy	14.92	Ordinary	4,222	4,222
3-Oct-19	The Vanguard Group, Inc.	Buy	14.53	Ordinary	114,037	114,037
4-Oct-19	The Vanguard Group, Inc.	Buy	14.53	Ordinary	40,462	40,462
4-Oct-19	The Vanguard Group, Inc.	Buy	14.61	Ordinary	1,460	1,460
4-Oct-19	The Vanguard Group, Inc.	Buy	14.53	Ordinary	1,002	1,002
8-Oct-19	The Vanguard Group, Inc.	Buy	14.86	Ordinary	1,460	1,460
10-Oct-19	The Vanguard Group, Inc.	Buy	14.96	Ordinary	15,270	15,270
10-Oct-19	The Vanguard Group, Inc.	Buy	14.96	Ordinary	5,090	5,090
10-Oct-19	The Vanguard Group, Inc.	Sell	14.96	Ordinary	(12,733)	(12,733)
15-Oct-19	The Vanguard Group, Inc.	Buy	14.72	Ordinary	4,072	4,072
15-Oct-19	The Vanguard Group, Inc.	Sell	14.54	Ordinary	(605)	(605)
16-Oct-19	The Vanguard Group, Inc.	Buy	14.86	Ordinary	3,378	3,378
16-Oct-19	The Vanguard Group, Inc.	Buy	14.89	Ordinary	1,002	1,002
17-Oct-19	The Vanguard Group, Inc.	Buy	14.98	Ordinary	23,591	23,591
21-Oct-19	The Vanguard Group, Inc.	Buy	14.49	Ordinary	3,378	3,378
21-Oct-19	The Vanguard Group, Inc.	Buy	14.48	Ordinary	1,421	1,421
21-Oct-19	The Vanguard Group, Inc.	Sell	14.48	Ordinary	(5,861)	(5,861)
23-Oct-19	The Vanguard Group, Inc.	Buy	14.60	Ordinary	5,090	5,090
25-Oct-19	The Vanguard Group, Inc.	Sell	14.73	Ordinary	(30,900)	(30,900)
25-Oct-19	The Vanguard Group, Inc.	Buy	14.73	Ordinary	3,378	3,378
25-Oct-19	The Vanguard Group, Inc.	Buy	14.73	Ordinary	2,190	2,190
25-Oct-19	The Vanguard Group, Inc.	Buy	14.71	Ordinary	1,421	1,421
25-Oct-19	The Vanguard Group, Inc.	Buy	14.71	Ordinary	32,644	32,644
25-Oct-19	The Vanguard Group, Inc.	Sell	14.71	Ordinary	(82)	(82)
28-Oct-19	The Vanguard Group, Inc.	Buy	14.88	Ordinary	82,910	82,910
29-Oct-19	The Vanguard Group, Inc.	Sell	14.71	Ordinary	(26,337)	(26,337)
29-Oct-19	The Vanguard Group, Inc.	Buy	14.71	Ordinary	2,324	2,324
30-Oct-19	The Vanguard Group, Inc.	Buy	14.74	Ordinary	19,657	19,657
31-Oct-19	The Vanguard Group, Inc.	Sell	14.84	Ordinary	(37,216)	(37,216)
1-Nov-19	The Vanguard Group, Inc.	Buy	14.97	Ordinary	975	975
4-Nov-19	The Vanguard Group, Inc.	Buy	15.27	Ordinary	19,602	19,602
4-Nov-19	The Vanguard Group, Inc.	Sell	15.15	Ordinary	(476)	(476)
4-Nov-19	The Vanguard Group, Inc.	Buy	15.27	Ordinary	1,945	1,945
4-Nov-19	The Vanguard Group, Inc.	Buy	15.27	Ordinary	2,283	2,283
5-Nov-19	The Vanguard Group, Inc.	Buy	15.09	Ordinary	10,180	10,180
5-Nov-19	The Vanguard Group, Inc.	Sell	15.29	Ordinary	(765)	(765)
5-Nov-19	The Vanguard Group, Inc.	Buy	15.29	Ordinary	12,615	12,615
6-Nov-19	The Vanguard Group, Inc.	Buy	14.83	Ordinary	162,793	162,793
6-Nov-19	The Vanguard Group, Inc.	Buy	14.77	Ordinary	5,090	5,090
7-Nov-19	The Vanguard Group, Inc.	Buy	14.79	Ordinary	24,011	24,011
7-Nov-19	The Vanguard Group, Inc.	Buy	14.79	Ordinary	14,952	14,952
7-Nov-19	The Vanguard Group, Inc.	Buy	14.90	Ordinary	10,986	10,986
8-Nov-19	The Vanguard Group, Inc.	Buy	14.78	Ordinary	1,460	1,460



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8-Nov-19	The Vanguard Group, Inc.	Buy	14.72	Ordinary	1,421	1,421
8-Nov-19	The Vanguard Group, Inc.	Buy	14.77	Ordinary	26,890	26,890
11-Nov-19	The Vanguard Group, Inc.	Buy	14.95	Ordinary	7,126	7,126
11-Nov-19	The Vanguard Group, Inc.	Buy	14.94	Ordinary	910	910
13-Nov-19	The Vanguard Group, Inc.	Buy	14.94	Ordinary	9,175	9,175
13-Nov-19	The Vanguard Group, Inc.	Buy	15.06	Ordinary	207	207
13-Nov-19	The Vanguard Group, Inc.	Buy	15.06	Ordinary	369	369
15-Nov-19	The Vanguard Group, Inc.	Buy	15.13	Ordinary	4,072	4,072
15-Nov-19	The Vanguard Group, Inc.	Buy	15.13	Ordinary	1,460	1,460
18-Nov-19	The Vanguard Group, Inc.	Buy	15.13	Ordinary	5,599	5,599
18-Nov-19	The Vanguard Group, Inc.	Buy	15.13	Ordinary	5,067	5,067
18-Nov-19	The Vanguard Group, Inc.	Buy	15.13	Ordinary	3,006	3,006
18-Nov-19	The Vanguard Group, Inc.	Buy	15.13	Ordinary	197	197
19-Nov-19	The Vanguard Group, Inc.	Buy	15.34	Ordinary	1,421	1,421
20-Nov-19	The Vanguard Group, Inc.	Buy	15.04	Ordinary	1,628	1,628
21-Nov-19	The Vanguard Group, Inc.	Buy	14.89	Ordinary	1,460	1,460
21-Nov-19	The Vanguard Group, Inc.	Buy	14.88	Ordinary	516	516
22-Nov-19	The Vanguard Group, Inc.	Buy	15.07	Ordinary	8,144	8,144
22-Nov-19	The Vanguard Group, Inc.	Sell	15.00	Ordinary	(1,913)	(1,913)
22-Nov-19	The Vanguard Group, Inc.	Buy	15.07	Ordinary	2,004	2,004
22-Nov-19	The Vanguard Group, Inc.	Buy	15.07	Ordinary	347	347
25-Nov-19	The Vanguard Group, Inc.	Buy	15.19	Ordinary	10,180	10,180
25-Nov-19	The Vanguard Group, Inc.	Buy	15.23	Ordinary	16,243	16,243
25-Nov-19	The Vanguard Group, Inc.	Buy	15.14	Ordinary	1,002	1,002
26-Nov-19	The Vanguard Group, Inc.	Buy	15.29	Ordinary	9,210	9,210
26-Nov-19	The Vanguard Group, Inc.	Buy	15.30	Ordinary	1,882	1,882
26-Nov-19	The Vanguard Group, Inc.	Buy	15.29	Ordinary	730	730
26-Nov-19	The Vanguard Group, Inc.	Buy	15.30	Ordinary	9,556	9,556
26-Nov-19	The Vanguard Group, Inc.	Buy	15.30	Ordinary	102,334	102,334
27-Nov-19	The Vanguard Group, Inc.	Buy	15.45	Ordinary	1,689	1,689
27-Nov-19	The Vanguard Group, Inc.	Buy	15.43	Ordinary	1,002	1,002
27-Nov-19	The Vanguard Group, Inc.	Buy	15.43	Ordinary	5,267	5,267
29-Nov-19	The Vanguard Group, Inc.	Buy	15.37	Ordinary	36,840	36,840
29-Nov-19	The Vanguard Group, Inc.	Buy	15.37	Ordinary	1,460	1,460
29-Nov-19	The Vanguard Group, Inc.	Buy	15.35	Ordinary	1,002	1,002
29-Nov-19	The Vanguard Group, Inc.	Buy	15.35	Ordinary	1,421	1,421
29-Nov-19	The Vanguard Group, Inc.	Buy	15.35	Ordinary	838	838
2-Dec-19	The Vanguard Group, Inc.	Buy	15.17	Ordinary	39,382	39,382
3-Dec-19	The Vanguard Group, Inc.	Buy	14.98	Ordinary	6,756	6,756
3-Dec-19	The Vanguard Group, Inc.	Buy	15.04	Ordinary	1,421	1,421
3-Dec-19	The Vanguard Group, Inc.	Buy	15.04	Ordinary	2,842	2,842
3-Dec-19	The Vanguard Group, Inc.	Buy	15.04	Ordinary	24,888	24,888
4-Dec-19	The Vanguard Group, Inc.	Buy	15.31	Ordinary	13,118	13,118
4-Dec-19	The Vanguard Group, Inc.	Buy	15.31	Ordinary	23,967	23,967
4-Dec-19	The Vanguard Group, Inc.	Buy	14.78	Ordinary	4,072	4,072
4-Dec-19	The Vanguard Group, Inc.	Buy	15.31	Ordinary	3,300	3,300
4-Dec-19	The Vanguard Group, Inc.	Buy	14.77	Ordinary	2,004	2,004
4-Dec-19	The Vanguard Group, Inc.	Buy	14.77	Ordinary	24,912	24,912
4-Dec-19	The Vanguard Group, Inc.	Buy	14.77	Ordinary	686	686
5-Dec-19	The Vanguard Group, Inc.	Buy	14.89	Ordinary	39,325	39,325
5-Dec-19	The Vanguard Group, Inc.	Buy	14.89	Ordinary	32,121	32,121
5-Dec-19	The Vanguard Group, Inc.	Buy	14.97	Ordinary	11,220	11,220
5-Dec-19	The Vanguard Group, Inc.	Sell	14.89	Ordinary	(12,487)	(12,487)
6-Dec-19	The Vanguard Group, Inc.	Buy	15.09	Ordinary	48,190	48,190
6-Dec-19	The Vanguard Group, Inc.	Buy	15.09	Ordinary	1,666	1,666
9-Dec-19	The Vanguard Group, Inc.	Buy	15.21	Ordinary	8,251	8,251
9-Dec-19	The Vanguard Group, Inc.	Buy	15.36	Ordinary	5,081	5,081
10-Dec-19	The Vanguard Group, Inc.	Buy	15.06	Ordinary	1,421	1,421
11-Dec-19	The Vanguard Group, Inc.	Buy	15.29	Ordinary	6,108	6,108
11-Dec-19	The Vanguard Group, Inc.	Buy	15.29	Ordinary	1,460	1,460
11-Dec-19	The Vanguard Group, Inc.	Buy	15.29	Ordinary	1,460	1,460
11-Dec-19	The Vanguard Group, Inc.	Buy	15.36	Ordinary	465	465
12-Dec-19	The Vanguard Group, Inc.	Buy	15.36	Ordinary	7,635	7,635
12-Dec-19	The Vanguard Group, Inc.	Buy	15.36	Ordinary	5,880	5,880
12-Dec-19	The Vanguard Group, Inc.	Buy	15.35	Ordinary	205	205
13-Dec-19	The Vanguard Group, Inc.	Sell	15.29	Ordinary	(443)	(443)



Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
13-Dec-19	The Vanguard Group, Inc.	Buy	15.19	Ordinary	3,378	3,378
13-Dec-19	The Vanguard Group, Inc.	Sell	15.15	Ordinary	(9,263)	(9,263)
16-Dec-19	The Vanguard Group, Inc.	Buy	15.41	Ordinary	1,460	1,460
17-Dec-19	The Vanguard Group, Inc.	Buy	15.25	Ordinary	10,180	10,180
17-Dec-19	The Vanguard Group, Inc.	Buy	15.25	Ordinary	5,599	5,599
20-Dec-19	The Vanguard Group, Inc.	Sell	15.59	Ordinary	(6,179)	(6,179)
20-Dec-19	The Vanguard Group, Inc.	Sell	15.59	Ordinary	(24,545)	(24,545)
20-Dec-19	The Vanguard Group, Inc.	Sell	15.59	Ordinary	(1,215)	(1,215)
20-Dec-19	The Vanguard Group, Inc.	Buy	15.59	Ordinary	921	921
23-Dec-19	The Vanguard Group, Inc.	Sell	15.63	Ordinary	(10,920)	(10,920)
23-Dec-19	The Vanguard Group, Inc.	Buy	15.46	Ordinary	39,382	39,382
23-Dec-19	The Vanguard Group, Inc.	Buy	15.46	Ordinary	8,439	8,439
23-Dec-19	The Vanguard Group, Inc.	Buy	15.46	Ordinary	5,067	5,067
23-Dec-19	The Vanguard Group, Inc.	Buy	15.48	Ordinary	1,637	1,637
23-Dec-19	The Vanguard Group, Inc.	Buy	15.64	Ordinary	191	191
24-Dec-19	The Vanguard Group, Inc.	Buy	15.56	Ordinary	16,878	16,878
24-Dec-19	The Vanguard Group, Inc.	Buy	15.58	Ordinary	2,012	2,012
26-Dec-19	The Vanguard Group, Inc.	Buy	15.57	Ordinary	42,195	42,195
27-Dec-19	The Vanguard Group, Inc.	Buy	15.55	Ordinary	1,460	1,460
27-Dec-19	The Vanguard Group, Inc.	Buy	15.61	Ordinary	1,970	1,970
30-Dec-19	The Vanguard Group, Inc.	Buy	15.15	Ordinary	5,090	5,090
30-Dec-19	The Vanguard Group, Inc.	Sell	15.27	Ordinary	(29,497)	(29,497)
30-Dec-19	The Vanguard Group, Inc.	Buy	15.20	Ordinary	1,006	1,006
30-Dec-19	The Vanguard Group, Inc.	Buy	15.20	Ordinary	7,709	7,709
31-Dec-19	The Vanguard Group, Inc.	Buy	14.92	Ordinary	82,480	82,480
31-Dec-19	The Vanguard Group, Inc.	Buy	14.91	Ordinary	1,421	1,421
31-Dec-19	The Vanguard Group, Inc.	Buy	14.91	Ordinary	1,421	1,421
2-Jan-20	The Vanguard Group, Inc.	Buy	14.97	Ordinary	1,460	1,460
2-Jan-20	The Vanguard Group, Inc.	Buy	14.90	Ordinary	1,006	1,006
3-Jan-20	The Vanguard Group, Inc.	Buy	15.18	Ordinary	25,255	25,255
3-Jan-20	The Vanguard Group, Inc.	Buy	15.18	Ordinary	21,947	21,947
3-Jan-20	The Vanguard Group, Inc.	Buy	14.93	Ordinary	1,460	1,460
6-Jan-20	The Vanguard Group, Inc.	Buy	14.87	Ordinary	1,664	1,664
6-Jan-20	The Vanguard Group, Inc.	Buy	14.93	Ordinary	1,690	1,690
6-Jan-20	The Vanguard Group, Inc.	Buy	14.93	Ordinary	4,380	4,380
6-Jan-20	The Vanguard Group, Inc.	Buy	14.74	Ordinary	1,012	1,012
7-Jan-20	The Vanguard Group, Inc.	Buy	15.12	Ordinary	38,682	38,682
7-Jan-20	The Vanguard Group, Inc.	Buy	15.10	Ordinary	1,150	1,150
8-Jan-20	The Vanguard Group, Inc.	Buy	15.25	Ordinary	15,270	15,270
8-Jan-20	The Vanguard Group, Inc.	Buy	15.18	Ordinary	1,421	1,421
8-Jan-20	The Vanguard Group, Inc.	Buy	15.18	Ordinary	43,392	43,392
9-Jan-20	The Vanguard Group, Inc.	Buy	15.41	Ordinary	4,581	4,581
9-Jan-20	The Vanguard Group, Inc.	Buy	15.41	Ordinary	50,634	50,634
9-Jan-20	The Vanguard Group, Inc.	Sell	15.34	Ordinary	(8,492)	(8,492)
9-Jan-20	The Vanguard Group, Inc.	Buy	15.34	Ordinary	10,834	10,834
9-Jan-20	The Vanguard Group, Inc.	Buy	15.34	Ordinary	5,441	5,441
10-Jan-20	The Vanguard Group, Inc.	Buy	15.41	Ordinary	38,437	38,437
10-Jan-20	The Vanguard Group, Inc.	Buy	15.33	Ordinary	9,168	9,168
10-Jan-20	The Vanguard Group, Inc.	Sell	15.40	Ordinary	(961)	(961)
10-Jan-20	The Vanguard Group, Inc.	Sell	15.44	Ordinary	(127,461)	(127,461)
10-Jan-20	The Vanguard Group, Inc.	Buy	15.33	Ordinary	3,380	3,380
10-Jan-20	The Vanguard Group, Inc.	Buy	15.41	Ordinary	2,012	2,012
10-Jan-20	The Vanguard Group, Inc.	Buy	15.41	Ordinary	1,421	1,421
10-Jan-20	The Vanguard Group, Inc.	Buy	15.41	Ordinary	2,541	2,541
13-Jan-20	The Vanguard Group, Inc.	Buy	15.49	Ordinary	5,254	5,254
13-Jan-20	The Vanguard Group, Inc.	Buy	15.49	Ordinary	1,421	1,421
14-Jan-20	The Vanguard Group, Inc.	Buy	15.61	Ordinary	3,380	3,380
14-Jan-20	The Vanguard Group, Inc.	Sell	15.57	Ordinary	(29,508)	(29,508)
15-Jan-20	The Vanguard Group, Inc.	Buy	15.74	Ordinary	22,504	22,504
15-Jan-20	The Vanguard Group, Inc.	Buy	15.73	Ordinary	1,421	1,421
16-Jan-20	The Vanguard Group, Inc.	Buy	15.84	Ordinary	38,020	38,020
16-Jan-20	The Vanguard Group, Inc.	Buy	15.70	Ordinary	25,317	25,317
16-Jan-20	The Vanguard Group, Inc.	Buy	15.63	Ordinary	1,006	1,006
17-Jan-20	The Vanguard Group, Inc.	Buy	15.83	Ordinary	25,317	25,317
17-Jan-20	The Vanguard Group, Inc.	Buy	15.83	Ordinary	22,504	22,504
17-Jan-20	The Vanguard Group, Inc.	Buy	15.83	Ordinary	730	730

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
17-Jan-20	The Vanguard Group, Inc.	Buy	15.77	Ordinary	3,772	3,772
21-Jan-20	The Vanguard Group, Inc.	Buy	15.81	Ordinary	9,024	9,024
21-Jan-20	The Vanguard Group, Inc.	Buy	15.81	Ordinary	18,048	18,048
21-Jan-20	The Vanguard Group, Inc.	Buy	15.81	Ordinary	29,400	29,400
21-Jan-20	The Vanguard Group, Inc.	Buy	15.81	Ordinary	2,190	2,190
22-Jan-20	The Vanguard Group, Inc.	Buy	15.81	Ordinary	16,878	16,878
22-Jan-20	The Vanguard Group, Inc.	Buy	15.85	Ordinary	5,254	5,254
22-Jan-20	The Vanguard Group, Inc.	Buy	15.85	Ordinary	1,908	1,908
23-Jan-20	The Vanguard Group, Inc.	Buy	15.85	Ordinary	5,090	5,090
23-Jan-20	The Vanguard Group, Inc.	Buy	15.81	Ordinary	131,339	131,339
23-Jan-20	The Vanguard Group, Inc.	Buy	15.85	Ordinary	14,065	14,065
23-Jan-20	The Vanguard Group, Inc.	Buy	15.85	Ordinary	5,070	5,070
23-Jan-20	The Vanguard Group, Inc.	Buy	15.79	Ordinary	1,006	1,006
23-Jan-20	The Vanguard Group, Inc.	Buy	15.79	Ordinary	2,012	2,012
23-Jan-20	The Vanguard Group, Inc.	Buy	15.81	Ordinary	1,194	1,194
24-Jan-20	The Vanguard Group, Inc.	Buy	15.91	Ordinary	36,907	36,907
28-Jan-20	The Vanguard Group, Inc.	Buy	15.90	Ordinary	37,106	37,106
28-Jan-20	The Vanguard Group, Inc.	Sell	15.90	Ordinary	(1,199)	(1,199)
28-Jan-20	The Vanguard Group, Inc.	Buy	15.93	Ordinary	1,421	1,421
29-Jan-20	The Vanguard Group, Inc.	Buy	15.96	Ordinary	2,012	2,012
29-Jan-20	The Vanguard Group, Inc.	Buy	15.96	Ordinary	1,070	1,070
30-Jan-20	The Vanguard Group, Inc.	Buy	15.86	Ordinary	1,690	1,690
30-Jan-20	The Vanguard Group, Inc.	Buy	15.76	Ordinary	1,006	1,006
30-Jan-20	The Vanguard Group, Inc.	Buy	15.76	Ordinary	1,006	1,006
31-Jan-20	The Vanguard Group, Inc.	Buy	15.59	Ordinary	58,017	58,017
31-Jan-20	The Vanguard Group, Inc.	Buy	15.57	Ordinary	16,878	16,878
31-Jan-20	The Vanguard Group, Inc.	Buy	15.57	Ordinary	16,878	16,878
31-Jan-20	The Vanguard Group, Inc.	Buy	15.57	Ordinary	1,480	1,480
31-Jan-20	The Vanguard Group, Inc.	Buy	15.70	Ordinary	7,270	7,270
31-Jan-20	The Vanguard Group, Inc.	Buy	15.70	Ordinary	52,473	52,473
31-Jan-20	The Vanguard Group, Inc.	Buy	15.70	Ordinary	1,907	1,907
3-Feb-20	The Vanguard Group, Inc.	Buy	15.66	Ordinary	42,500	42,500
3-Feb-20	The Vanguard Group, Inc.	Buy	15.76	Ordinary	17,815	17,815
3-Feb-20	The Vanguard Group, Inc.	Buy	15.76	Ordinary	15,762	15,762
4-Feb-20	The Vanguard Group, Inc.	Buy	15.84	Ordinary	51,798	51,798
4-Feb-20	The Vanguard Group, Inc.	Buy	15.96	Ordinary	9,162	9,162
4-Feb-20	The Vanguard Group, Inc.	Sell	15.96	Ordinary	(12,032)	(12,032)
4-Feb-20	The Vanguard Group, Inc.	Buy	15.96	Ordinary	7,840	7,840
4-Feb-20	The Vanguard Group, Inc.	Buy	15.96	Ordinary	31,360	31,360
4-Feb-20	The Vanguard Group, Inc.	Sell	15.83	Ordinary	(13,724)	(13,724)
4-Feb-20	The Vanguard Group, Inc.	Buy	15.93	Ordinary	3,018	3,018
4-Feb-20	The Vanguard Group, Inc.	Buy	15.93	Ordinary	6,117	6,117
4-Feb-20	The Vanguard Group, Inc.	Buy	15.93	Ordinary	1,421	1,421
4-Feb-20	The Vanguard Group, Inc.	Buy	15.93	Ordinary	244	244
5-Feb-20	The Vanguard Group, Inc.	Buy	16.08	Ordinary	12,725	12,725
5-Feb-20	The Vanguard Group, Inc.	Buy	16.08	Ordinary	53,447	53,447
5-Feb-20	The Vanguard Group, Inc.	Buy	16.08	Ordinary	19,691	19,691
5-Feb-20	The Vanguard Group, Inc.	Sell	15.93	Ordinary	(948)	(948)
6-Feb-20	The Vanguard Group, Inc.	Buy	16.04	Ordinary	56,163	56,163
6-Feb-20	The Vanguard Group, Inc.	Buy	16.07	Ordinary	5,070	5,070
7-Feb-20	The Vanguard Group, Inc.	Buy	16.10	Ordinary	4,072	4,072
10-Feb-20	The Vanguard Group, Inc.	Buy	16.19	Ordinary	25,335	25,335
10-Feb-20	The Vanguard Group, Inc.	Buy	16.19	Ordinary	1,480	1,480
10-Feb-20	The Vanguard Group, Inc.	Buy	16.10	Ordinary	2,012	2,012
10-Feb-20	The Vanguard Group, Inc.	Buy	16.10	Ordinary	5,254	5,254
11-Feb-20	The Vanguard Group, Inc.	Buy	16.33	Ordinary	16,890	16,890
11-Feb-20	The Vanguard Group, Inc.	Buy	16.33	Ordinary	1,421	1,421
11-Feb-20	The Vanguard Group, Inc.	Buy	16.33	Ordinary	1,421	1,421
11-Feb-20	The Vanguard Group, Inc.	Buy	16.33	Ordinary	1,860	1,860
12-Feb-20	The Vanguard Group, Inc.	Buy	16.25	Ordinary	47,069	47,069
12-Feb-20	The Vanguard Group, Inc.	Buy	16.04	Ordinary	1,203	1,203
12-Feb-20	The Vanguard Group, Inc.	Buy	16.04	Ordinary	46,882	46,882
12-Feb-20	The Vanguard Group, Inc.	Buy	16.25	Ordinary	1,156	1,156
13-Feb-20	The Vanguard Group, Inc.	Buy	16.17	Ordinary	36,595	36,595
13-Feb-20	The Vanguard Group, Inc.	Sell	16.11	Ordinary	(553)	(553)
13-Feb-20	The Vanguard Group, Inc.	Buy	16.17	Ordinary	3,380	3,380

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
13-Feb-20	The Vanguard Group, Inc.	Buy	16.18	Ordinary	1,006	1,006
13-Feb-20	The Vanguard Group, Inc.	Buy	16.18	Ordinary	1,006	1,006
13-Feb-20	The Vanguard Group, Inc.	Buy	16.18	Ordinary	1,421	1,421
13-Feb-20	The Vanguard Group, Inc.	Sell	16.11	Ordinary	(33,422)	(33,422)
14-Feb-20	The Vanguard Group, Inc.	Buy	16.35	Ordinary	36,972	36,972
14-Feb-20	The Vanguard Group, Inc.	Buy	16.38	Ordinary	16,890	16,890
14-Feb-20	The Vanguard Group, Inc.	Buy	16.35	Ordinary	452	452
14-Feb-20	The Vanguard Group, Inc.	Buy	16.38	Ordinary	2,220	2,220
14-Feb-20	The Vanguard Group, Inc.	Sell	16.37	Ordinary	(23,307)	(23,307)
18-Feb-20	The Vanguard Group, Inc.	Buy	16.16	Ordinary	8,097	8,097
18-Feb-20	The Vanguard Group, Inc.	Buy	16.16	Ordinary	2,642	2,642
19-Feb-20	The Vanguard Group, Inc.	Buy	16.31	Ordinary	62,012	62,012
19-Feb-20	The Vanguard Group, Inc.	Buy	16.34	Ordinary	53,267	53,267
19-Feb-20	The Vanguard Group, Inc.	Buy	16.39	Ordinary	14,075	14,075
20-Feb-20	The Vanguard Group, Inc.	Buy	16.42	Ordinary	41,719	41,719
20-Feb-20	The Vanguard Group, Inc.	Buy	16.26	Ordinary	36,813	36,813
21-Feb-20	The Vanguard Group, Inc.	Buy	16.29	Ordinary	75,614	75,614
21-Feb-20	The Vanguard Group, Inc.	Buy	16.20	Ordinary	22,520	22,520
21-Feb-20	The Vanguard Group, Inc.	Buy	16.29	Ordinary	1,834	1,834
21-Feb-20	The Vanguard Group, Inc.	Buy	16.26	Ordinary	3,725	3,725
21-Feb-20	The Vanguard Group, Inc.	Buy	16.26	Ordinary	1,834	1,834
14-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.00	Ordinary	748,361	748,361
14-Jun-18	Vanguard Investments Australia Ltd.	Buy	11.92	Ordinary	21,690	21,690
15-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.13	Ordinary	59,181	59,181
15-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.13	Ordinary	6,423	6,423
15-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.13	Ordinary	83,323	83,323
15-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.13	Ordinary	4,795	4,795
15-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.13	Ordinary	271,390	271,390
15-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.13	Ordinary	1,245,715	1,245,715
15-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.13	Ordinary	37,283	37,283
18-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.29	Ordinary	532,819	532,819
19-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.28	Ordinary	408,581	408,581
20-Jun-18	Vanguard Investments Australia Ltd.	Sell	12.17	Ordinary	(7,406)	(7,406)
20-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.28	Ordinary	571,971	571,971
21-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.25	Ordinary	42,189	42,189
21-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.22	Ordinary	635,075	635,075
22-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.25	Ordinary	350,086	350,086
25-Jun-18	Vanguard Investments Australia Ltd.	Buy	12.18	Ordinary	116,322	116,322
29-Jun-18	Vanguard Investments Australia Ltd.	Sell	11.97	Ordinary	(33,607)	(33,607)
29-Jun-18	Vanguard Investments Australia Ltd.	Sell	11.97	Ordinary	(921)	(921)
29-Jun-18	Vanguard Investments Australia Ltd.	Sell	11.97	Ordinary	(62,297)	(62,297)
29-Jun-18	Vanguard Investments Australia Ltd.	Sell	11.97	Ordinary	(104,675)	(104,675)
3-Jul-18	Vanguard Investments Australia Ltd.	Buy	12.20	Ordinary	73,049	73,049
5-Jul-18	Vanguard Investments Australia Ltd.	Buy	12.06	Ordinary	22,243	22,243
6-Jul-18	Vanguard Investments Australia Ltd.	Buy	12.07	Ordinary	8,979	8,979
6-Jul-18	Vanguard Investments Australia Ltd.	Buy	12.07	Ordinary	35,412	35,412
6-Jul-18	Vanguard Investments Australia Ltd.	Buy	12.07	Ordinary	36,040	36,040
6-Jul-18	Vanguard Investments Australia Ltd.	Buy	12.10	Ordinary	19,377	19,377
6-Jul-18	Vanguard Investments Australia Ltd.	Sell	12.10	Ordinary	(2,703)	(2,703)
9-Jul-18	Vanguard Investments Australia Ltd.	Sell	12.02	Ordinary	(13,964)	(13,964)
10-Jul-18	Vanguard Investments Australia Ltd.	Buy	11.86	Ordinary	2,295	2,295
16-Jul-18	Vanguard Investments Australia Ltd.	Buy	11.89	Ordinary	12,918	12,918
16-Jul-18	Vanguard Investments Australia Ltd.	Buy	11.89	Ordinary	29,088	29,088
17-Jul-18	Vanguard Investments Australia Ltd.	Buy	11.94	Ordinary	24,138	24,138
18-Jul-18	Vanguard Investments Australia Ltd.	Sell	11.98	Ordinary	(20,975)	(20,975)
19-Jul-18	Vanguard Investments Australia Ltd.	Buy	11.92	Ordinary	30,160	30,160
20-Jul-18	Vanguard Investments Australia Ltd.	Sell	11.97	Ordinary	(25,779)	(25,779)
20-Jul-18	Vanguard Investments Australia Ltd.	Buy	11.97	Ordinary	23,540	23,540
27-Jul-18	Vanguard Investments Australia Ltd.	Buy	11.83	Ordinary	37,255	37,255
2-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.67	Ordinary	27,768	27,768
2-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.67	Ordinary	19,260	19,260
3-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.77	Ordinary	31,841	31,841
7-Aug-18	Vanguard Investments Australia Ltd.	Buy	12.02	Ordinary	35,777	35,777
8-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.95	Ordinary	8,979	8,979
10-Aug-18	Vanguard Investments Australia Ltd.	Sell	11.90	Ordinary	(15,105)	(15,105)
15-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.92	Ordinary	1,459	1,459

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-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.92	Ordinary	12,756	12,756
15-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.92	Ordinary	31,698	31,698
16-Aug-18	Vanguard Investments Australia Ltd.	Sell	11.90	Ordinary	(9,631)	(9,631)
20-Aug-18	Vanguard Investments Australia Ltd.	Sell	11.90	Ordinary	(17,930)	(17,930)
21-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.88	Ordinary	21,260	21,260
27-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.80	Ordinary	3,904	3,904
27-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.80	Ordinary	21,530	21,530
28-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.90	Ordinary	43,327	43,327
29-Aug-18	Vanguard Investments Australia Ltd.	Buy	11.90	Ordinary	31,062	31,062
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	72,530	72,530
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	1,392,020	1,392,020
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	163,541	163,541
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	131,494	131,494
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	293,590	293,590
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	3,006	3,006
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	401,902	401,902
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	1,552,614	1,552,614
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	92,460	92,460
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	665,639	665,639
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	1,353,207	1,353,207
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	30,205	30,205
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	1,077,170	1,077,170
3-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	362	362
4-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.87	Ordinary	27,280	27,280
5-Sep-18	Vanguard Investments Australia Ltd.	Sell	11.74	Ordinary	(38,788)	(38,788)
6-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.43	Ordinary	84,696	84,696
7-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.44	Ordinary	32,963	32,963
10-Sep-18	Vanguard Investments Australia Ltd.	Sell	11.33	Ordinary	(3,350)	(3,350)
10-Sep-18	Vanguard Investments Australia Ltd.	Sell	11.33	Ordinary	(25,110)	(25,110)
10-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.33	Ordinary	24,660	24,660
11-Sep-18	Vanguard Investments Australia Ltd.	Sell	11.26	Ordinary	(59,496)	(59,496)
11-Sep-18	Vanguard Investments Australia Ltd.	Sell	11.34	Ordinary	(27,185)	(27,185)
13-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	2,859,461	2,859,461
13-Sep-18	Vanguard Investments Australia Ltd.	Buy	10.80	Ordinary	50,593	50,593
17-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.34	Ordinary	27,126	27,126
21-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.24	Ordinary	41,481	41,481
21-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.24	Ordinary	9,370	9,370
21-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.24	Ordinary	149,600	149,600
21-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.24	Ordinary	44,150	44,150
21-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.24	Ordinary	3,007	3,007
21-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.24	Ordinary	8,986	8,986
21-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.24	Ordinary	15,493	15,493
21-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.24	Ordinary	12,714	12,714
21-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.24	Ordinary	82,263	82,263
21-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.24	Ordinary	7,340	7,340
24-Sep-18	Vanguard Investments Australia Ltd.	Sell	11.29	Ordinary	(3,447)	(3,447)
26-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.20	Ordinary	89,367	89,367
26-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.20	Ordinary	14,646	14,646
26-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.20	Ordinary	4,383	4,383
27-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.17	Ordinary	6,890	6,890
27-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.17	Ordinary	41,303	41,303
27-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.17	Ordinary	11,280	11,280
27-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.17	Ordinary	9,187	9,187
27-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.17	Ordinary	14,349	14,349
27-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.17	Ordinary	52,499	52,499
27-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.17	Ordinary	3,111	3,111
27-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.17	Ordinary	19,048	19,048
27-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.17	Ordinary	44,502	44,502
27-Sep-18	Vanguard Investments Australia Ltd.	Buy	11.12	Ordinary	187,957	187,957
28-Sep-18	Vanguard Investments Australia Ltd.	Sell	11.22	Ordinary	(3,382)	(3,382)
28-Sep-18	Vanguard Investments Australia Ltd.	Sell	11.22	Ordinary	(91,842)	(91,842)
28-Sep-18	Vanguard Investments Australia Ltd.	Sell	11.22	Ordinary	(17,675)	(17,675)
1-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.22	Ordinary	20,690	20,690
1-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.22	Ordinary	21,699	21,699
3-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.20	Ordinary	45,959	45,959
8-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.02	Ordinary	21,825	21,825

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
9-Oct-18	Vanguard Investments Australia Ltd.	Buy	10.96	Ordinary	12,414	12,414
10-Oct-18	Vanguard Investments Australia Ltd.	Sell	10.95	Ordinary	(19,576)	(19,576)
11-Oct-18	Vanguard Investments Australia Ltd.	Buy	10.90	Ordinary	29,100	29,100
12-Oct-18	Vanguard Investments Australia Ltd.	Buy	10.73	Ordinary	12,414	12,414
16-Oct-18	Vanguard Investments Australia Ltd.	Sell	10.77	Ordinary	(14,552)	(14,552)
17-Oct-18	Vanguard Investments Australia Ltd.	Buy	10.93	Ordinary	12,414	12,414
17-Oct-18	Vanguard Investments Australia Ltd.	Buy	10.93	Ordinary	41,225	41,225
17-Oct-18	Vanguard Investments Australia Ltd.	Buy	10.93	Ordinary	50,153	50,153
19-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.05	Ordinary	4,786	4,786
22-Oct-18	Vanguard Investments Australia Ltd.	Sell	11.05	Ordinary	(9,009)	(9,009)
23-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.12	Ordinary	12,414	12,414
23-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.12	Ordinary	16,552	16,552
24-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.22	Ordinary	29,316	29,316
24-Oct-18	Vanguard Investments Australia Ltd.	Sell	11.22	Ordinary	(6,736)	(6,736)
25-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.12	Ordinary	57,126	57,126
25-Oct-18	Vanguard Investments Australia Ltd.	Sell	11.12	Ordinary	(17,787)	(17,787)
25-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.12	Ordinary	16,552	16,552
25-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.12	Ordinary	34,384	34,384
25-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.17	Ordinary	5,106	5,106
26-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.14	Ordinary	81,605	81,605
29-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.26	Ordinary	16,552	16,552
29-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.26	Ordinary	64,223	64,223
31-Oct-18	Vanguard Investments Australia Ltd.	Sell	11.34	Ordinary	(18,366)	(18,366)
31-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.34	Ordinary	39,232	39,232
31-Oct-18	Vanguard Investments Australia Ltd.	Buy	11.34	Ordinary	7,356	7,356
1-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.22	Ordinary	15,606	15,606
1-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.22	Ordinary	4,904	4,904
2-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.26	Ordinary	5,584	5,584
2-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.26	Ordinary	31,876	31,876
2-Nov-18	Vanguard Investments Australia Ltd.	Sell	11.26	Ordinary	(4,473)	(4,473)
5-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.13	Ordinary	51,135	51,135
6-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.22	Ordinary	51,712	51,712
6-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.10	Ordinary	1,296	1,296
12-Nov-18	Vanguard Investments Australia Ltd.	Sell	11.59	Ordinary	(35,767)	(35,767)
12-Nov-18	Vanguard Investments Australia Ltd.	Sell	11.59	Ordinary	(2,850)	(2,850)
12-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.59	Ordinary	31,876	31,876
12-Nov-18	Vanguard Investments Australia Ltd.	Sell	11.59	Ordinary	(11,073)	(11,073)
14-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.56	Ordinary	249,421	249,421
14-Nov-18	Vanguard Investments Australia Ltd.	Sell	11.56	Ordinary	(138,822)	(138,822)
15-Nov-18	Vanguard Investments Australia Ltd.	Sell	11.58	Ordinary	(19,978)	(19,978)
16-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.48	Ordinary	1,062	1,062
16-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.48	Ordinary	24,967	24,967
19-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.42	Ordinary	184,833	184,833
19-Nov-18	Vanguard Investments Australia Ltd.	Sell	11.42	Ordinary	(94,339)	(94,339)
20-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.44	Ordinary	14,204	14,204
20-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.44	Ordinary	3,177	3,177
21-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.38	Ordinary	5,988	5,988
21-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.39	Ordinary	42,335	42,335
22-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.34	Ordinary	12,513	12,513
22-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.34	Ordinary	12,513	12,513
22-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.34	Ordinary	34,692	34,692
23-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.44	Ordinary	43,540	43,540
23-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.41	Ordinary	17,106	17,106
26-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.50	Ordinary	10,961	10,961
27-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.60	Ordinary	17,334	17,334
29-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.49	Ordinary	27,401	27,401
30-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.39	Ordinary	72,019	72,019
30-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.45	Ordinary	40,959	40,959
30-Nov-18	Vanguard Investments Australia Ltd.	Buy	11.39	Ordinary	5,884	5,884
3-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.41	Ordinary	32,383	32,383
3-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.41	Ordinary	51,660	51,660
4-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.53	Ordinary	244,356	244,356
4-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.53	Ordinary	428,194	428,194
4-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.53	Ordinary	124,692	124,692
5-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.61	Ordinary	4,537	4,537
6-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.75	Ordinary	12,522	12,522

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
7-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.91	Ordinary	41,503	41,503
10-Dec-18	Vanguard Investments Australia Ltd.	Sell	11.77	Ordinary	(63,711)	(63,711)
10-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.77	Ordinary	16,696	16,696
11-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.86	Ordinary	12,522	12,522
11-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.86	Ordinary	50,000	50,000
11-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.86	Ordinary	30,000	30,000
12-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.93	Ordinary	1,860,499	1,860,499
12-Dec-18	Vanguard Investments Australia Ltd.	Sell	11.93	Ordinary	(18,120)	(18,120)
14-Dec-18	Vanguard Investments Australia Ltd.	Sell	11.89	Ordinary	(15,000)	(15,000)
18-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.86	Ordinary	16,700	16,700
18-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.87	Ordinary	550,237	550,237
19-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.87	Ordinary	510,597	510,597
20-Dec-18	Vanguard Investments Australia Ltd.	Sell	11.70	Ordinary	(11,455)	(11,455)
20-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.70	Ordinary	1,275	1,275
20-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.87	Ordinary	105,385	105,385
21-Dec-18	Vanguard Investments Australia Ltd.	Sell	11.68	Ordinary	(11,543)	(11,543)
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	115,446	115,446
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	12,208	12,208
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	10,122	10,122
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	23,169	23,169
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	56,303	56,303
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	76,855	76,855
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	55,326	55,326
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	107,569	107,569
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	12,525	12,525
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.68	Ordinary	948,473	948,473
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	238,247	238,247
21-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.69	Ordinary	8,640	8,640
24-Dec-18	Vanguard Investments Australia Ltd.	Sell	11.55	Ordinary	(15,836)	(15,836)
27-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.87	Ordinary	14,976	14,976
31-Dec-18	Vanguard Investments Australia Ltd.	Buy	11.71	Ordinary	22,910	22,910
31-Dec-18	Vanguard Investments Australia Ltd.	Sell	11.65	Ordinary	(114,778)	(114,778)
31-Dec-18	Vanguard Investments Australia Ltd.	Sell	11.72	Ordinary	(2,085)	(2,085)
31-Dec-18	Vanguard Investments Australia Ltd.	Sell	11.72	Ordinary	(42,305)	(42,305)
31-Dec-18	Vanguard Investments Australia Ltd.	Sell	11.65	Ordinary	(9,225)	(9,225)
3-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.61	Ordinary	24,723	24,723
4-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.56	Ordinary	7,188	7,188
4-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.60	Ordinary	6,513	6,513
8-Jan-19	Vanguard Investments Australia Ltd.	Sell	11.57	Ordinary	(19,603)	(19,603)
8-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.57	Ordinary	25,100	25,100
10-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.84	Ordinary	1,004	1,004
10-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.84	Ordinary	24,897	24,897
11-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.78	Ordinary	30,180	30,180
11-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.79	Ordinary	41,286	41,286
18-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.83	Ordinary	3,090	3,090
18-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.84	Ordinary	5,116	5,116
18-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.84	Ordinary	32,148	32,148
21-Jan-19	Vanguard Investments Australia Ltd.	Sell	11.89	Ordinary	(26,818)	(26,818)
21-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.89	Ordinary	15,867	15,867
22-Jan-19	Vanguard Investments Australia Ltd.	Sell	11.88	Ordinary	(11,984)	(11,984)
22-Jan-19	Vanguard Investments Australia Ltd.	Buy	11.89	Ordinary	2,605	2,605
24-Jan-19	Vanguard Investments Australia Ltd.	Sell	11.99	Ordinary	(33,455)	(33,455)
29-Jan-19	Vanguard Investments Australia Ltd.	Sell	12.04	Ordinary	(16,904)	(16,904)
29-Jan-19	Vanguard Investments Australia Ltd.	Buy	12.04	Ordinary	50,492	50,492
30-Jan-19	Vanguard Investments Australia Ltd.	Sell	12.06	Ordinary	(11,658)	(11,658)
30-Jan-19	Vanguard Investments Australia Ltd.	Buy	12.06	Ordinary	10,088	10,088
30-Jan-19	Vanguard Investments Australia Ltd.	Buy	12.03	Ordinary	51,454	51,454
31-Jan-19	Vanguard Investments Australia Ltd.	Buy	12.17	Ordinary	4,608	4,608
1-Feb-19	Vanguard Investments Australia Ltd.	Sell	12.25	Ordinary	(5,616)	(5,616)
1-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.21	Ordinary	88,204	88,204
4-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.14	Ordinary	45,882	45,882
4-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.13	Ordinary	1,452	1,452
5-Feb-19	Vanguard Investments Australia Ltd.	Sell	12.04	Ordinary	(176,540)	(176,540)
6-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.24	Ordinary	79,981	79,981
6-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.24	Ordinary	6,620	6,620
12-Feb-19	Vanguard Investments Australia Ltd.	Sell	12.22	Ordinary	(18,323)	(18,323)

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12-Feb-19	Vanguard Investments Australia Ltd.	Sell	12.22	Ordinary	(25,158)	(25,158)
12-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.22	Ordinary	2,752	2,752
13-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.16	Ordinary	107,261	107,261
14-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.19	Ordinary	2,203	2,203
15-Feb-19	Vanguard Investments Australia Ltd.	Sell	12.18	Ordinary	(12,160)	(12,160)
15-Feb-19	Vanguard Investments Australia Ltd.	Sell	12.18	Ordinary	(2,444)	(2,444)
19-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.24	Ordinary	27,907	27,907
20-Feb-19	Vanguard Investments Australia Ltd.	Sell	12.26	Ordinary	(16,996)	(16,996)
22-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.55	Ordinary	22,703	22,703
25-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.50	Ordinary	80,000	80,000
26-Feb-19	Vanguard Investments Australia Ltd.	Sell	12.49	Ordinary	(64,115)	(64,115)
26-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.49	Ordinary	63,597	63,597
26-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.49	Ordinary	25,370	25,370
28-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.48	Ordinary	11,714	11,714
28-Feb-19	Vanguard Investments Australia Ltd.	Sell	12.47	Ordinary	(43,288)	(43,288)
28-Feb-19	Vanguard Investments Australia Ltd.	Buy	12.48	Ordinary	5,079	5,079
5-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.41	Ordinary	162,368	162,368
6-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.48	Ordinary	1,094	1,094
7-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.49	Ordinary	22,651	22,651
11-Mar-19	Vanguard Investments Australia Ltd.	Sell	12.52	Ordinary	(6,175)	(6,175)
11-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.52	Ordinary	4,438	4,438
12-Mar-19	Vanguard Investments Australia Ltd.	Sell	12.46	Ordinary	(30,816)	(30,816)
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	15,950	15,950
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	58,041	58,041
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	1,737	1,737
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	6,321	6,321
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	2,793	2,793
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	10,167	10,167
15-Mar-19	Vanguard Investments Australia Ltd.	Sell	12.65	Ordinary	(155,000)	(155,000)
15-Mar-19	Vanguard Investments Australia Ltd.	Sell	12.65	Ordinary	(16,356)	(16,356)
15-Mar-19	Vanguard Investments Australia Ltd.	Sell	12.65	Ordinary	(15,567)	(15,567)
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	8,229	8,229
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	29,945	29,945
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	14,040	14,040
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	51,089	51,089
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	11,447	11,447
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	41,655	41,655
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	10,900	10,900
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.65	Ordinary	39,662	39,662
19-Mar-19	Vanguard Investments Australia Ltd.	Sell	12.75	Ordinary	(6,444)	(6,444)
19-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.75	Ordinary	2,349	2,349
20-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.78	Ordinary	4,080	4,080
21-Mar-19	Vanguard Investments Australia Ltd.	Sell	12.79	Ordinary	(21,724)	(21,724)
21-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.79	Ordinary	16,690	16,690
22-Mar-19	Vanguard Investments Australia Ltd.	Buy	12.86	Ordinary	29,327	29,327
27-Mar-19	Vanguard Investments Australia Ltd.	Buy	13.09	Ordinary	12,296	12,296
29-Mar-19	Vanguard Investments Australia Ltd.	Sell	13.20	Ordinary	(1,848)	(1,848)
29-Mar-19	Vanguard Investments Australia Ltd.	Sell	13.20	Ordinary	(76,368)	(76,368)
1-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.11	Ordinary	3,252	3,252
1-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.11	Ordinary	61,334	61,334
1-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.11	Ordinary	5,737	5,737
1-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.11	Ordinary	(140,895)	(140,895)
1-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.11	Ordinary	(3,111)	(3,111)
1-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.11	Ordinary	68,242	68,242
2-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.21	Ordinary	4,375	4,375
2-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.21	Ordinary	10,200	10,200
2-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.21	Ordinary	23,337	23,337
2-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.21	Ordinary	57,023	57,023
2-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.19	Ordinary	26,715	26,715
2-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.19	Ordinary	17,675	17,675
3-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.36	Ordinary	(2,579)	(2,579)
3-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.36	Ordinary	(8,790)	(8,790)
5-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.07	Ordinary	32,703	32,703
5-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.03	Ordinary	(198,983)	(198,983)
5-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.03	Ordinary	(11,924)	(11,924)
8-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.15	Ordinary	20,080	20,080



Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
8-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.15	Ordinary	(11,116)	(11,116)
9-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.16	Ordinary	(5,839)	(5,839)
9-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.16	Ordinary	772,308	772,308
9-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.16	Ordinary	5,109	5,109
10-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.27	Ordinary	(11,845)	(11,845)
11-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.34	Ordinary	42,762	42,762
12-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.43	Ordinary	(6,812)	(6,812)
15-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.36	Ordinary	5,949	5,949
16-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.32	Ordinary	(159,517)	(159,517)
16-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.32	Ordinary	153,676	153,676
17-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.14	Ordinary	6,635	6,635
18-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.19	Ordinary	(4,725)	(4,725)
23-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.36	Ordinary	(14,046)	(14,046)
26-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.67	Ordinary	(13,686)	(13,686)
30-Apr-19	Vanguard Investments Australia Ltd.	Sell	13.44	Ordinary	(38,596)	(38,596)
30-Apr-19	Vanguard Investments Australia Ltd.	Buy	13.44	Ordinary	30,240	30,240
1-May-19	Vanguard Investments Australia Ltd.	Buy	13.50	Ordinary	55,803	55,803
1-May-19	Vanguard Investments Australia Ltd.	Buy	13.51	Ordinary	8,748	8,748
1-May-19	Vanguard Investments Australia Ltd.	Buy	13.51	Ordinary	11,205	11,205
1-May-19	Vanguard Investments Australia Ltd.	Buy	13.50	Ordinary	71,509	71,509
1-May-19	Vanguard Investments Australia Ltd.	Buy	13.51	Ordinary	19,624	19,624
1-May-19	Vanguard Investments Australia Ltd.	Buy	13.50	Ordinary	125,215	125,215
6-May-19	Vanguard Investments Australia Ltd.	Buy	13.54	Ordinary	49,031	49,031
7-May-19	Vanguard Investments Australia Ltd.	Sell	13.48	Ordinary	(6,722)	(6,722)
8-May-19	Vanguard Investments Australia Ltd.	Buy	13.39	Ordinary	2,583	2,583
10-May-19	Vanguard Investments Australia Ltd.	Buy	13.52	Ordinary	3,813	3,813
10-May-19	Vanguard Investments Australia Ltd.	Buy	13.52	Ordinary	7,195	7,195
10-May-19	Vanguard Investments Australia Ltd.	Buy	13.52	Ordinary	5,362	5,362
10-May-19	Vanguard Investments Australia Ltd.	Buy	13.58	Ordinary	22,680	22,680
10-May-19	Vanguard Investments Australia Ltd.	Buy	13.58	Ordinary	2,240	2,240
14-May-19	Vanguard Investments Australia Ltd.	Sell	13.69	Ordinary	(8,841)	(8,841)
15-May-19	Vanguard Investments Australia Ltd.	Sell	13.68	Ordinary	(16,894)	(16,894)
16-May-19	Vanguard Investments Australia Ltd.	Buy	13.79	Ordinary	47,744	47,744
17-May-19	Vanguard Investments Australia Ltd.	Buy	13.96	Ordinary	1,804	1,804
17-May-19	Vanguard Investments Australia Ltd.	Buy	13.96	Ordinary	69,482	69,482
17-May-19	Vanguard Investments Australia Ltd.	Buy	13.95	Ordinary	25,320	25,320
21-May-19	Vanguard Investments Australia Ltd.	Buy	13.74	Ordinary	25,320	25,320
22-May-19	Vanguard Investments Australia Ltd.	Buy	13.78	Ordinary	26,527	26,527
22-May-19	Vanguard Investments Australia Ltd.	Buy	13.78	Ordinary	3,444	3,444
23-May-19	Vanguard Investments Australia Ltd.	Sell	13.86	Ordinary	(3,014)	(3,014)
24-May-19	Vanguard Investments Australia Ltd.	Buy	13.80	Ordinary	6,971	6,971
27-May-19	Vanguard Investments Australia Ltd.	Sell	13.85	Ordinary	(54,215)	(54,215)
28-May-19	Vanguard Investments Australia Ltd.	Sell	13.95	Ordinary	(5,882)	(5,882)
28-May-19	Vanguard Investments Australia Ltd.	Buy	13.95	Ordinary	23,850	23,850
29-May-19	Vanguard Investments Australia Ltd.	Sell	13.75	Ordinary	(36,000)	(36,000)
29-May-19	Vanguard Investments Australia Ltd.	Sell	13.72	Ordinary	(19,485)	(19,485)
30-May-19	Vanguard Investments Australia Ltd.	Buy	13.69	Ordinary	157,816	157,816
31-May-19	Vanguard Investments Australia Ltd.	Sell	13.93	Ordinary	(24,919)	(24,919)
3-Jun-19	Vanguard Investments Australia Ltd.	Sell	14.03	Ordinary	(49,819)	(49,819)
3-Jun-19	Vanguard Investments Australia Ltd.	Sell	14.03	Ordinary	(24,421)	(24,421)
4-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.28	Ordinary	314,130	314,130
4-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.30	Ordinary	23,850	23,850
5-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.32	Ordinary	11,148	11,148
6-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.23	Ordinary	6,280	6,280
6-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.23	Ordinary	11,148	11,148
6-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.23	Ordinary	28,620	28,620
6-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.23	Ordinary	3,033	3,033
7-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.26	Ordinary	9,895	9,895
7-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.26	Ordinary	99,832	99,832
7-Jun-19	Vanguard Investments Australia Ltd.	Sell	14.26	Ordinary	(2,738)	(2,738)
7-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.26	Ordinary	3,202	3,202
7-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.26	Ordinary	123,612	123,612
11-Jun-19	Vanguard Investments Australia Ltd.	Sell	14.68	Ordinary	(8,146)	(8,146)
11-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.68	Ordinary	16,722	16,722
11-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.68	Ordinary	2,566	2,566
12-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.56	Ordinary	86,303	86,303



Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
12-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.55	Ordinary	4,689	4,689
13-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.67	Ordinary	11,146	11,146
17-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.56	Ordinary	19,136	19,136
18-Jun-19	Vanguard Investments Australia Ltd.	Sell	14.61	Ordinary	(200,000)	(200,000)
19-Jun-19	Vanguard Investments Australia Ltd.	Sell	14.93	Ordinary	(132,162)	(132,162)
20-Jun-19	Vanguard Investments Australia Ltd.	Sell	15.17	Ordinary	(11,010)	(11,010)
20-Jun-19	Vanguard Investments Australia Ltd.	Sell	15.20	Ordinary	(118,946)	(118,946)
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	14,028	14,028
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	3,042	3,042
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	3,366	3,366
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	730	730
21-Jun-19	Vanguard Investments Australia Ltd.	Sell	15.26	Ordinary	(23,002)	(23,002)
21-Jun-19	Vanguard Investments Australia Ltd.	Sell	15.26	Ordinary	(3,951)	(3,951)
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	8,707	8,707
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	1,889	1,889
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	24,345	24,345
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	5,280	5,280
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	16,707	16,707
21-Jun-19	Vanguard Investments Australia Ltd.	Sell	15.28	Ordinary	(823,195)	(823,195)
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	14,352	14,352
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	87,793	87,793
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	19,041	19,041
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.26	Ordinary	20,397	20,397
24-Jun-19	Vanguard Investments Australia Ltd.	Sell	15.20	Ordinary	(155,736)	(155,736)
25-Jun-19	Vanguard Investments Australia Ltd.	Sell	15.19	Ordinary	(25,589)	(25,589)
25-Jun-19	Vanguard Investments Australia Ltd.	Sell	15.17	Ordinary	(91,584)	(91,584)
25-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.19	Ordinary	2,249	2,249
26-Jun-19	Vanguard Investments Australia Ltd.	Buy	15.29	Ordinary	14,190	14,190
27-Jun-19	Vanguard Investments Australia Ltd.	Sell	14.97	Ordinary	(21,988)	(21,988)
27-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.97	Ordinary	18,964	18,964
27-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.97	Ordinary	16,968	16,968
27-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.97	Ordinary	2,858	2,858
28-Jun-19	Vanguard Investments Australia Ltd.	Buy	14.74	Ordinary	13,012	13,012
28-Jun-19	Vanguard Investments Australia Ltd.	Sell	14.74	Ordinary	(1,850)	(1,850)
28-Jun-19	Vanguard Investments Australia Ltd.	Sell	14.74	Ordinary	(59,063)	(59,063)
1-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.70	Ordinary	4,831	4,831
2-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.67	Ordinary	14,040	14,040
2-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.67	Ordinary	28,860	28,860
2-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.67	Ordinary	3,815	3,815
3-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.06	Ordinary	3,794	3,794
5-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.32	Ordinary	16,881	16,881
8-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.12	Ordinary	28,080	28,080
8-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.12	Ordinary	14,430	14,430
8-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.12	Ordinary	2,303	2,303
9-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.18	Ordinary	6,390	6,390
9-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.18	Ordinary	14,496	14,496
9-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.18	Ordinary	32,163	32,163
11-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.42	Ordinary	4,870	4,870
11-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.41	Ordinary	14,478	14,478
11-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.41	Ordinary	2,542	2,542
12-Jul-19	Vanguard Investments Australia Ltd.	Sell	15.24	Ordinary	(4,767)	(4,767)
12-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.25	Ordinary	3,778	3,778
12-Jul-19	Vanguard Investments Australia Ltd.	Sell	15.25	Ordinary	(7,815)	(7,815)
15-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.94	Ordinary	7,580	7,580
15-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.94	Ordinary	45,658	45,658
15-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.92	Ordinary	14,043	14,043
16-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	33,020	33,020
16-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	6,557	6,557
16-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	12,746	12,746
16-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.85	Ordinary	28,956	28,956
16-Jul-19	Vanguard Investments Australia Ltd.	Buy	14.85	Ordinary	39,596	39,596
17-Jul-19	Vanguard Investments Australia Ltd.	Sell	15.00	Ordinary	(31,990)	(31,990)
17-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.00	Ordinary	6,240	6,240
18-Jul-19	Vanguard Investments Australia Ltd.	Sell	14.99	Ordinary	(10,887)	(10,887)
19-Jul-19	Vanguard Investments Australia Ltd.	Sell	15.09	Ordinary	(10,801)	(10,801)
19-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.09	Ordinary	29,014	29,014

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22-Jul-19	Vanguard Investments Australia Ltd.	Sell	15.02	Ordinary	(1,600,762)	(1,600,762)
22-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.02	Ordinary	14,040	14,040
23-Jul-19	Vanguard Investments Australia Ltd.	Sell	15.07	Ordinary	(8,400)	(8,400)
24-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.27	Ordinary	15,862	15,862
24-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.27	Ordinary	8,012	8,012
26-Jul-19	Vanguard Investments Australia Ltd.	Sell	15.40	Ordinary	(8,625)	(8,625)
29-Jul-19	Vanguard Investments Australia Ltd.	Sell	15.56	Ordinary	(349)	(349)
30-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.60	Ordinary	26,576	26,576
31-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.55	Ordinary	27,882	27,882
31-Jul-19	Vanguard Investments Australia Ltd.	Sell	15.55	Ordinary	(33,654)	(33,654)
31-Jul-19	Vanguard Investments Australia Ltd.	Buy	15.55	Ordinary	14,040	14,040
1-Aug-19	Vanguard Investments Australia Ltd.	Sell	15.76	Ordinary	(16,036)	(16,036)
1-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.76	Ordinary	2,344	2,344
2-Aug-19	Vanguard Investments Australia Ltd.	Sell	16.04	Ordinary	(16,452)	(16,452)
5-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.62	Ordinary	2,390	2,390
6-Aug-19	Vanguard Investments Australia Ltd.	Sell	15.23	Ordinary	(9,280)	(9,280)
6-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.23	Ordinary	18,720	18,720
6-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.23	Ordinary	21,771	21,771
6-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.23	Ordinary	21,771	21,771
6-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.23	Ordinary	26,801	26,801
7-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.23	Ordinary	32,760	32,760
8-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.19	Ordinary	26,631	26,631
8-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.19	Ordinary	71,338	71,338
9-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.12	Ordinary	1,300	1,300
9-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.12	Ordinary	23,725	23,725
12-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.15	Ordinary	26,675	26,675
12-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.15	Ordinary	3,947	3,947
13-Aug-19	Vanguard Investments Australia Ltd.	Sell	15.12	Ordinary	(5,101)	(5,101)
13-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.12	Ordinary	11,282	11,282
14-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.09	Ordinary	6,374	6,374
14-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.09	Ordinary	18,788	18,788
14-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.09	Ordinary	8,171	8,171
14-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.09	Ordinary	48,015	48,015
15-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.79	Ordinary	18,784	18,784
15-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.79	Ordinary	4,939	4,939
16-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.77	Ordinary	31,930	31,930
19-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.85	Ordinary	47,588	47,588
20-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.00	Ordinary	16,408	16,408
20-Aug-19	Vanguard Investments Australia Ltd.	Sell	15.00	Ordinary	(9,759)	(9,759)
20-Aug-19	Vanguard Investments Australia Ltd.	Buy	15.00	Ordinary	22,111	22,111
21-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.94	Ordinary	14,103	14,103
21-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.94	Ordinary	15,262	15,262
22-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.92	Ordinary	7,336	7,336
22-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.92	Ordinary	34,353	34,353
22-Aug-19	Vanguard Investments Australia Ltd.	Sell	14.97	Ordinary	(733)	(733)
27-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	2,441	2,441
27-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	11,742	11,742
27-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	3,521	3,521
28-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.97	Ordinary	12,870	12,870
28-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.97	Ordinary	63,539	63,539
28-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.97	Ordinary	4,189	4,189
29-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.88	Ordinary	14,160	14,160
30-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.95	Ordinary	68,742	68,742
30-Aug-19	Vanguard Investments Australia Ltd.	Sell	14.95	Ordinary	(43,060)	(43,060)
30-Aug-19	Vanguard Investments Australia Ltd.	Buy	14.95	Ordinary	18,103	18,103
2-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.88	Ordinary	53,680	53,680
3-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.91	Ordinary	267,257	267,257
4-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.91	Ordinary	36,068	36,068
4-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.91	Ordinary	18,924	18,924
5-Sep-19	Vanguard Investments Australia Ltd.	Buy	15.05	Ordinary	1,559	1,559
5-Sep-19	Vanguard Investments Australia Ltd.	Buy	15.05	Ordinary	18,988	18,988
5-Sep-19	Vanguard Investments Australia Ltd.	Buy	15.05	Ordinary	59,212	59,212
5-Sep-19	Vanguard Investments Australia Ltd.	Buy	15.05	Ordinary	76,640	76,640
5-Sep-19	Vanguard Investments Australia Ltd.	Buy	15.05	Ordinary	5,656	5,656
6-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.91	Ordinary	(4,100)	(4,100)
6-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.91	Ordinary	10,798	10,798

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9-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.84	Ordinary	18,992	18,992
9-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.84	Ordinary	(54,796)	(54,796)
10-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.44	Ordinary	19,698	19,698
12-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.24	Ordinary	17,956	17,956
12-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.24	Ordinary	5,489	5,489
13-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.52	Ordinary	9,983	9,983
13-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.52	Ordinary	(15,905)	(15,905)
16-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.18	Ordinary	7,434	7,434
17-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.43	Ordinary	8,884	8,884
17-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.43	Ordinary	46,816	46,816
18-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.56	Ordinary	(10,774)	(10,774)
18-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.56	Ordinary	5,146	5,146
19-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.77	Ordinary	14,250	14,250
19-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.77	Ordinary	5,572	5,572
20-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.81	Ordinary	15,305	15,305
20-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.80	Ordinary	(174,462)	(174,462)
20-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.80	Ordinary	(28,347)	(28,347)
20-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.81	Ordinary	15,584	15,584
20-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.81	Ordinary	103,000	103,000
20-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.80	Ordinary	24,640	24,640
20-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.81	Ordinary	17,185	17,185
23-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.75	Ordinary	36,600	36,600
23-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.75	Ordinary	(5,066)	(5,066)
24-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.70	Ordinary	7,214	7,214
25-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.68	Ordinary	(8,234)	(8,234)
25-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.68	Ordinary	(10,837)	(10,837)
25-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.68	Ordinary	34,160	34,160
25-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.68	Ordinary	4,520	4,520
27-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.74	Ordinary	33,600	33,600
27-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.74	Ordinary	19,200	19,200
27-Sep-19	Vanguard Investments Australia Ltd.	Buy	14.74	Ordinary	29,280	29,280
30-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.69	Ordinary	(2,554)	(2,554)
30-Sep-19	Vanguard Investments Australia Ltd.	Sell	14.69	Ordinary	(62,654)	(62,654)
2-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.79	Ordinary	62,980	62,980
2-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.79	Ordinary	10,970	10,970
2-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.78	Ordinary	11,043	11,043
2-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.79	Ordinary	20,281	20,281
2-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.78	Ordinary	45,733	45,733
2-Oct-19	Vanguard Investments Australia Ltd.	Sell	14.78	Ordinary	(57,768)	(57,768)
3-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.59	Ordinary	39,319	39,319
3-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.54	Ordinary	28,332	28,332
3-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.54	Ordinary	5,739	5,739
4-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.53	Ordinary	11,136	11,136
4-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.53	Ordinary	35,773	35,773
4-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.53	Ordinary	40,919	40,919
7-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.69	Ordinary	62,241	62,241
9-Oct-19	Vanguard Investments Australia Ltd.	Buy	15.00	Ordinary	23,605	23,605
10-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.94	Ordinary	10,618	10,618
10-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.94	Ordinary	58,996	58,996
11-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.60	Ordinary	12,644	12,644
11-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.60	Ordinary	19,192	19,192
11-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.60	Ordinary	4,187	4,187
14-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.50	Ordinary	352,494	352,494
14-Oct-19	Vanguard Investments Australia Ltd.	Sell	14.50	Ordinary	(11,566)	(11,566)
14-Oct-19	Vanguard Investments Australia Ltd.	Sell	14.50	Ordinary	(7,889)	(7,889)
16-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.89	Ordinary	417,721	417,721
17-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.73	Ordinary	1,564	1,564
17-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.73	Ordinary	18,884	18,884
17-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.73	Ordinary	4,715	4,715
18-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.44	Ordinary	14,163	14,163
18-Oct-19	Vanguard Investments Australia Ltd.	Sell	14.44	Ordinary	(7,988)	(7,988)
18-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.44	Ordinary	23,990	23,990
18-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.54	Ordinary	45,255	45,255
21-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.47	Ordinary	31,618	31,618
22-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.47	Ordinary	23,950	23,950
22-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.47	Ordinary	53,126	53,126

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-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.58	Ordinary	26,409	26,409
23-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.58	Ordinary	14,578	14,578
24-Oct-19	Vanguard Investments Australia Ltd.	Sell	14.76	Ordinary	(6,470)	(6,470)
28-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.88	Ordinary	23,980	23,980
28-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.88	Ordinary	5,514	5,514
30-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.69	Ordinary	84,475	84,475
30-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.69	Ordinary	18,884	18,884
30-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.69	Ordinary	14,163	14,163
30-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.69	Ordinary	19,615	19,615
30-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.69	Ordinary	4,304	4,304
31-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.84	Ordinary	38,102	38,102
31-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.84	Ordinary	30,263	30,263
31-Oct-19	Vanguard Investments Australia Ltd.	Sell	14.84	Ordinary	(6,127)	(6,127)
31-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.84	Ordinary	57,552	57,552
31-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.84	Ordinary	96,206	96,206
31-Oct-19	Vanguard Investments Australia Ltd.	Sell	14.84	Ordinary	(28,776)	(28,776)
31-Oct-19	Vanguard Investments Australia Ltd.	Buy	14.84	Ordinary	6,538	6,538
1-Nov-19	Vanguard Investments Australia Ltd.	Sell	15.12	Ordinary	(318,460)	(318,460)
1-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.13	Ordinary	18,884	18,884
1-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.13	Ordinary	14,163	14,163
1-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.13	Ordinary	14,662	14,662
4-Nov-19	Vanguard Investments Australia Ltd.	Sell	15.15	Ordinary	(423,627)	(423,627)
4-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.15	Ordinary	71,194	71,194
4-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.15	Ordinary	4,330	4,330
5-Nov-19	Vanguard Investments Australia Ltd.	Sell	15.10	Ordinary	(96,150)	(96,150)
5-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.10	Ordinary	5,397	5,397
5-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.10	Ordinary	18,884	18,884
5-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.10	Ordinary	28,812	28,812
7-Nov-19	Vanguard Investments Australia Ltd.	Sell	14.90	Ordinary	(8,049)	(8,049)
7-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	18,852	18,852
7-Nov-19	Vanguard Investments Australia Ltd.	Sell	14.90	Ordinary	(27,348)	(27,348)
7-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	20,903	20,903
7-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	5,566	5,566
8-Nov-19	Vanguard Investments Australia Ltd.	Sell	14.72	Ordinary	(19,481)	(19,481)
11-Nov-19	Vanguard Investments Australia Ltd.	Sell	14.94	Ordinary	(9,939)	(9,939)
11-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.94	Ordinary	62,462	62,462
12-Nov-19	Vanguard Investments Australia Ltd.	Sell	14.96	Ordinary	(11,354)	(11,354)
12-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.96	Ordinary	14,211	14,211
12-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.96	Ordinary	26,499	26,499
13-Nov-19	Vanguard Investments Australia Ltd.	Sell	14.91	Ordinary	(6,382)	(6,382)
13-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.91	Ordinary	23,885	23,885
13-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.91	Ordinary	7,206	7,206
13-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.91	Ordinary	6,110	6,110
14-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.01	Ordinary	35,313	35,313
14-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.01	Ordinary	6,368	6,368
15-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.13	Ordinary	18,812	18,812
15-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.13	Ordinary	18,988	18,988
18-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.13	Ordinary	2,835	2,835
19-Nov-19	Vanguard Investments Australia Ltd.	Sell	15.34	Ordinary	(3,616)	(3,616)
19-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.34	Ordinary	31,304	31,304
20-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.04	Ordinary	16,849	16,849
21-Nov-19	Vanguard Investments Australia Ltd.	Sell	14.88	Ordinary	(6,649)	(6,649)
21-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.88	Ordinary	18,992	18,992
21-Nov-19	Vanguard Investments Australia Ltd.	Buy	14.88	Ordinary	50,547	50,547
21-Nov-19	Vanguard Investments Australia Ltd.	Sell	14.88	Ordinary	(2,844)	(2,844)
22-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.07	Ordinary	9,552	9,552
22-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.07	Ordinary	14,244	14,244
22-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.07	Ordinary	41,851	41,851
22-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.07	Ordinary	5,168	5,168
25-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.14	Ordinary	49,753	49,753
26-Nov-19	Vanguard Investments Australia Ltd.	Sell	15.29	Ordinary	(5,766)	(5,766)
26-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.30	Ordinary	2,556	2,556
27-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.43	Ordinary	5,932	5,932
28-Nov-19	Vanguard Investments Australia Ltd.	Sell	15.38	Ordinary	(1,149)	(1,149)
28-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.38	Ordinary	14,244	14,244
29-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.35	Ordinary	12,359	12,359

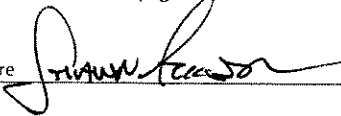
Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
29-Nov-19	Vanguard Investments Australia Ltd.	Sell	15.35	Ordinary	(34,875)	(34,875)
29-Nov-19	Vanguard Investments Australia Ltd.	Buy	15.35	Ordinary	28,944	28,944
29-Nov-19	Vanguard Investments Australia Ltd.	Sell	15.35	Ordinary	(3,149)	(3,149)
2-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.31	Ordinary	127,688	127,688
3-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.04	Ordinary	28,488	28,488
3-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.04	Ordinary	36,879	36,879
4-Dec-19	Vanguard Investments Australia Ltd.	Buy	14.77	Ordinary	23,740	23,740
4-Dec-19	Vanguard Investments Australia Ltd.	Buy	14.77	Ordinary	52,976	52,976
5-Dec-19	Vanguard Investments Australia Ltd.	Buy	14.95	Ordinary	39,606	39,606
5-Dec-19	Vanguard Investments Australia Ltd.	Buy	14.95	Ordinary	6,383	6,383
6-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.09	Ordinary	780,892	780,892
6-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.08	Ordinary	69,200	69,200
9-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.21	Ordinary	9,651	9,651
9-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.21	Ordinary	18,992	18,992
9-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.21	Ordinary	28,884	28,884
11-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.36	Ordinary	45,013	45,013
11-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.36	Ordinary	36,147	36,147
12-Dec-19	Vanguard Investments Australia Ltd.	Sell	15.35	Ordinary	(1,259)	(1,259)
12-Dec-19	Vanguard Investments Australia Ltd.	Sell	15.35	Ordinary	(20,091)	(20,091)
13-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.15	Ordinary	18,992	18,992
13-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.15	Ordinary	24,060	24,060
17-Dec-19	Vanguard Investments Australia Ltd.	Sell	15.23	Ordinary	(124,458)	(124,458)
17-Dec-19	Vanguard Investments Australia Ltd.	Sell	15.23	Ordinary	(4,109)	(4,109)
18-Dec-19	Vanguard Investments Australia Ltd.	Sell	15.40	Ordinary	(16,080)	(16,080)
18-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.40	Ordinary	33,712	33,712
18-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.40	Ordinary	46,948	46,948
19-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.65	Ordinary	24,619	24,619
19-Dec-19	Vanguard Investments Australia Ltd.	Sell	15.61	Ordinary	(63,979)	(63,979)
20-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.59	Ordinary	4,090	4,090
20-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.59	Ordinary	9,392	9,392
20-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.59	Ordinary	5,679	5,679
20-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.59	Ordinary	18,976	18,976
20-Dec-19	Vanguard Investments Australia Ltd.	Sell	15.59	Ordinary	(641,283)	(641,283)
27-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.61	Ordinary	4,770	4,770
27-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.61	Ordinary	12,885	12,885
27-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.61	Ordinary	3,824	3,824
30-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.20	Ordinary	19,288	19,288
30-Dec-19	Vanguard Investments Australia Ltd.	Buy	15.18	Ordinary	75,409	75,409
31-Dec-19	Vanguard Investments Australia Ltd.	Buy	14.91	Ordinary	45,504	45,504
31-Dec-19	Vanguard Investments Australia Ltd.	Sell	14.91	Ordinary	(56,245)	(56,245)
31-Dec-19	Vanguard Investments Australia Ltd.	Buy	14.91	Ordinary	12,065	12,065
2-Jan-20	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	17,032	17,032
2-Jan-20	Vanguard Investments Australia Ltd.	Buy	14.90	Ordinary	28,704	28,704
3-Jan-20	Vanguard Investments Australia Ltd.	Buy	14.93	Ordinary	6,397	6,397
3-Jan-20	Vanguard Investments Australia Ltd.	Buy	14.93	Ordinary	68,170	68,170
3-Jan-20	Vanguard Investments Australia Ltd.	Sell	14.93	Ordinary	(175,226)	(175,226)
3-Jan-20	Vanguard Investments Australia Ltd.	Buy	14.93	Ordinary	4,731	4,731
3-Jan-20	Vanguard Investments Australia Ltd.	Buy	14.93	Ordinary	4,062	4,062
6-Jan-20	Vanguard Investments Australia Ltd.	Buy	14.75	Ordinary	12,953	12,953
7-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.10	Ordinary	14,352	14,352
7-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.11	Ordinary	32,939	32,939
8-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.18	Ordinary	35,895	35,895
9-Jan-20	Vanguard Investments Australia Ltd.	Sell	15.34	Ordinary	(19,144)	(19,144)
10-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.41	Ordinary	4,053	4,053
13-Jan-20	Vanguard Investments Australia Ltd.	Sell	15.49	Ordinary	(12,750)	(12,750)
13-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.49	Ordinary	35,970	35,970
14-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.61	Ordinary	29,229	29,229
14-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.63	Ordinary	12,772	12,772
14-Jan-20	Vanguard Investments Australia Ltd.	Sell	15.63	Ordinary	(12,772)	(12,772)
15-Jan-20	Vanguard Investments Australia Ltd.	Sell	15.73	Ordinary	(14,567)	(14,567)
15-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.70	Ordinary	71,006	71,006
15-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.73	Ordinary	3,199	3,199
16-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.63	Ordinary	11,518	11,518
17-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.77	Ordinary	12,771	12,771
21-Jan-20	Vanguard Investments Australia Ltd.	Sell	15.75	Ordinary	(32,825)	(32,825)
21-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.75	Ordinary	35,985	35,985

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
21-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.75	Ordinary	3,723	3,723
23-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.79	Ordinary	12,771	12,771
24-Jan-20	Vanguard Investments Australia Ltd.	Sell	15.89	Ordinary	(16,151)	(16,151)
29-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.96	Ordinary	17,028	17,028
30-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.76	Ordinary	35,910	35,910
31-Jan-20	Vanguard Investments Australia Ltd.	Sell	15.70	Ordinary	(80,685)	(80,685)
31-Jan-20	Vanguard Investments Australia Ltd.	Buy	15.68	Ordinary	41,298	41,298
31-Jan-20	Vanguard Investments Australia Ltd.	Sell	15.70	Ordinary	(7,050)	(7,050)
3-Feb-20	Vanguard Investments Australia Ltd.	Sell	15.76	Ordinary	(8,887)	(8,887)
3-Feb-20	Vanguard Investments Australia Ltd.	Sell	15.76	Ordinary	(7,157)	(7,157)
3-Feb-20	Vanguard Investments Australia Ltd.	Sell	15.75	Ordinary	(25,544)	(25,544)
5-Feb-20	Vanguard Investments Australia Ltd.	Buy	16.01	Ordinary	3,193	3,193
5-Feb-20	Vanguard Investments Australia Ltd.	Buy	16.01	Ordinary	2,933	2,933
7-Feb-20	Vanguard Investments Australia Ltd.	Buy	16.07	Ordinary	23,920	23,920
10-Feb-20	Vanguard Investments Australia Ltd.	Buy	16.10	Ordinary	55,485	55,485
11-Feb-20	Vanguard Investments Australia Ltd.	Buy	16.33	Ordinary	47,840	47,840
11-Feb-20	Vanguard Investments Australia Ltd.	Buy	16.33	Ordinary	83,535	83,535
12-Feb-20	Vanguard Investments Australia Ltd.	Sell	16.04	Ordinary	(45,640)	(45,640)
13-Feb-20	Vanguard Investments Australia Ltd.	Sell	16.18	Ordinary	(21,285)	(21,285)
13-Feb-20	Vanguard Investments Australia Ltd.	Buy	16.18	Ordinary	3,117	3,117
17-Feb-20	Vanguard Investments Australia Ltd.	Sell	16.18	Ordinary	(45,414)	(45,414)
17-Feb-20	Vanguard Investments Australia Ltd.	Sell	16.18	Ordinary	(9,585)	(9,585)
17-Feb-20	Vanguard Investments Australia Ltd.	Sell	16.18	Ordinary	(22,138)	(22,138)
18-Feb-20	Vanguard Investments Australia Ltd.	Buy	16.16	Ordinary	3,195	3,195
19-Feb-20	Vanguard Investments Australia Ltd.	Buy	16.34	Ordinary	4,388	4,388
19-Feb-20	Vanguard Investments Australia Ltd.	Buy	16.34	Ordinary	510	510

This is Annexure A of 28 pages referred to in Form 603, Notice of initial substantial holder

Signature



Date

25-Feb-20