

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme Bank of Queensland Limited
ACN/ARSN 009 656 740

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 27 October 2020

The previous notice was given to the company on 6 July 2018

The previous notice was dated 6 July 2018

2. Previous and present voting power

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

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary	19,929,774	5.016%	27,345,351	6.019%

3. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected
See Annexure A					

4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
Vanguard Group	Brown Brothers Harriman	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 403,646	403,646
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 1,319,843	1,319,843
Vanguard Group	Citibank	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 4,259	4,259
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 15,120,522	15,120,522
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 3,328,938	3,328,938

Vanguard Group	Various others	Various funds and other accounts of Vanguard Group	Act. Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 7,168,143	7,168,143
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5. Changes in association

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

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

6. Addresses

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

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

Signature

print name Shawn Acker capacity Compliance Manager

sign here  date 30 October 2020

To Company	Bank of Queensland Limited
ACN/ARSN	009 656 740
Substantial Holder Name	Vanguard Group
ACN/ARSN	N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
4-Jul-2018	The Vanguard Group, Inc.	BUY	10.32	Ordinary	3,316	3,316
12-Jul-2018	The Vanguard Group, Inc.	SELL	10.85	Ordinary	(3,620)	(3,620)
12-Jul-2018	The Vanguard Group, Inc.	SELL	10.83	Ordinary	(4,542)	(4,542)
17-Jul-2018	The Vanguard Group, Inc.	BUY	10.69	Ordinary	236	236
20-Jul-2018	The Vanguard Group, Inc.	BUY	10.83	Ordinary	2,538	2,538
23-Jul-2018	The Vanguard Group, Inc.	SELL	10.85	Ordinary	(1,545)	(1,545)
25-Jul-2018	The Vanguard Group, Inc.	SELL	10.98	Ordinary	(1,030)	(1,030)
25-Jul-2018	The Vanguard Group, Inc.	SELL	10.98	Ordinary	(7,725)	(7,725)
25-Jul-2018	The Vanguard Group, Inc.	SELL	10.98	Ordinary	(1,545)	(1,545)
25-Jul-2018	The Vanguard Group, Inc.	SELL	10.94	Ordinary	(428)	(428)
27-Jul-2018	The Vanguard Group, Inc.	SELL	11.05	Ordinary	(3,084)	(3,084)
2-Aug-2018	The Vanguard Group, Inc.	SELL	10.95	Ordinary	(5,150)	(5,150)
2-Aug-2018	The Vanguard Group, Inc.	BUY	10.90	Ordinary	11,232	11,232
3-Aug-2018	The Vanguard Group, Inc.	SELL	10.83	Ordinary	(3,056)	(3,056)
3-Aug-2018	The Vanguard Group, Inc.	BUY	10.83	Ordinary	509	509
10-Aug-2018	The Vanguard Group, Inc.	SELL	10.79	Ordinary	(12,360)	(12,360)
13-Aug-2018	The Vanguard Group, Inc.	BUY	10.75	Ordinary	666	666
15-Aug-2018	The Vanguard Group, Inc.	SELL	11.09	Ordinary	(6,180)	(6,180)
16-Aug-2018	The Vanguard Group, Inc.	BUY	11.19	Ordinary	87,673	87,673
16-Aug-2018	The Vanguard Group, Inc.	BUY	11.28	Ordinary	1,128	1,128
16-Aug-2018	The Vanguard Group, Inc.	SELL	11.26	Ordinary	(12,381)	(12,381)
21-Aug-2018	The Vanguard Group, Inc.	BUY	11.09	Ordinary	298	298
22-Aug-2018	The Vanguard Group, Inc.	BUY	10.95	Ordinary	106,014	106,014
31-Aug-2018	The Vanguard Group, Inc.	BUY	11.52	Ordinary	9,524	9,524
5-Sep-2018	The Vanguard Group, Inc.	SELL	11.26	Ordinary	(724)	(724)
7-Sep-2018	The Vanguard Group, Inc.	BUY	11.11	Ordinary	5,546	5,546
7-Sep-2018	The Vanguard Group, Inc.	BUY	11.11	Ordinary	3,620	3,620
10-Sep-2018	The Vanguard Group, Inc.	BUY	11.29	Ordinary	1,077	1,077
12-Sep-2018	The Vanguard Group, Inc.	BUY	11.41	Ordinary	5,430	5,430
12-Sep-2018	The Vanguard Group, Inc.	SELL	11.43	Ordinary	(25,611)	(25,611)
17-Sep-2018	The Vanguard Group, Inc.	BUY	11.44	Ordinary	3,272	3,272
18-Sep-2018	The Vanguard Group, Inc.	BUY	11.41	Ordinary	610	610
21-Sep-2018	The Vanguard Group, Inc.	BUY	11.08	Ordinary	5,809	5,809
21-Sep-2018	The Vanguard Group, Inc.	SELL	11.07	Ordinary	(5,974)	(5,974)
26-Sep-2018	The Vanguard Group, Inc.	BUY	10.87	Ordinary	6,816	6,816
26-Sep-2018	The Vanguard Group, Inc.	BUY	10.87	Ordinary	8,520	8,520
26-Sep-2018	The Vanguard Group, Inc.	BUY	10.87	Ordinary	3,408	3,408
26-Sep-2018	The Vanguard Group, Inc.	BUY	10.89	Ordinary	798	798
1-Oct-2018	The Vanguard Group, Inc.	BUY	10.85	Ordinary	5,112	5,112
2-Oct-2018	The Vanguard Group, Inc.	BUY	10.80	Ordinary	149,093	149,093
2-Oct-2018	The Vanguard Group, Inc.	BUY	10.77	Ordinary	13,632	13,632
2-Oct-2018	The Vanguard Group, Inc.	SELL	10.77	Ordinary	(1,785)	(1,785)
3-Oct-2018	The Vanguard Group, Inc.	BUY	10.78	Ordinary	5,112	5,112
11-Oct-2018	The Vanguard Group, Inc.	BUY	10.31	Ordinary	3,090	3,090
15-Oct-2018	The Vanguard Group, Inc.	BUY	10.27	Ordinary	5,150	5,150
18-Oct-2018	The Vanguard Group, Inc.	SELL	10.56	Ordinary	(236)	(236)
19-Oct-2018	The Vanguard Group, Inc.	BUY	10.62	Ordinary	3,090	3,090
19-Oct-2018	The Vanguard Group, Inc.	BUY	10.62	Ordinary	5,112	5,112
23-Oct-2018	The Vanguard Group, Inc.	BUY	10.54	Ordinary	3,291	3,291
25-Oct-2018	The Vanguard Group, Inc.	BUY	9.49	Ordinary	4,260	4,260
26-Oct-2018	The Vanguard Group, Inc.	BUY	9.54	Ordinary	21,562	21,562
26-Oct-2018	The Vanguard Group, Inc.	BUY	9.54	Ordinary	1,197	1,197
30-Oct-2018	The Vanguard Group, Inc.	BUY	9.73	Ordinary	6,545	6,545
31-Oct-2018	The Vanguard Group, Inc.	BUY	9.70	Ordinary	64,961	64,961
31-Oct-2018	The Vanguard Group, Inc.	BUY	9.68	Ordinary	5,964	5,964
1-Nov-2018	The Vanguard Group, Inc.	BUY	9.58	Ordinary	8,520	8,520
1-Nov-2018	The Vanguard Group, Inc.	SELL	9.57	Ordinary	(26,033)	(26,033)
2-Nov-2018	The Vanguard Group, Inc.	SELL	9.55	Ordinary	(8,933)	(8,933)
5-Nov-2018	The Vanguard Group, Inc.	SELL	9.64	Ordinary	(3,632)	(3,632)
5-Nov-2018	The Vanguard Group, Inc.	BUY	9.57	Ordinary	6,868	6,868
7-Nov-2018	The Vanguard Group, Inc.	BUY	9.87	Ordinary	6,816	6,816
9-Nov-2018	The Vanguard Group, Inc.	BUY	9.91	Ordinary	154,109	154,109
9-Nov-2018	The Vanguard Group, Inc.	SELL	9.92	Ordinary	(759)	(759)
12-Nov-2018	The Vanguard Group, Inc.	BUY	9.86	Ordinary	5,112	5,112
14-Nov-2018	The Vanguard Group, Inc.	BUY	9.61	Ordinary	5,112	5,112

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
14-Nov-2018	The Vanguard Group, Inc.	BUY	9.61	Ordinary	6,816	6,816
15-Nov-2018	The Vanguard Group, Inc.	BUY	9.75	Ordinary	714	714
21-Nov-2018	The Vanguard Group, Inc.	BUY	9.68	Ordinary	6,816	6,816
27-Nov-2018	The Vanguard Group, Inc.	BUY	9.86	Ordinary	2,615	2,615
28-Nov-2018	The Vanguard Group, Inc.	BUY	10.01	Ordinary	515	515
28-Nov-2018	The Vanguard Group, Inc.	BUY	10.01	Ordinary	3,090	3,090
28-Nov-2018	The Vanguard Group, Inc.	BUY	10.01	Ordinary	4,260	4,260
30-Nov-2018	The Vanguard Group, Inc.	BUY	9.98	Ordinary	135,473	135,473
30-Nov-2018	The Vanguard Group, Inc.	SELL	9.94	Ordinary	(8,740)	(8,740)
4-Dec-2018	The Vanguard Group, Inc.	BUY	9.79	Ordinary	6,816	6,816
4-Dec-2018	The Vanguard Group, Inc.	BUY	9.90	Ordinary	4,015	4,015
6-Dec-2018	The Vanguard Group, Inc.	BUY	9.77	Ordinary	4,661	4,661
7-Dec-2018	The Vanguard Group, Inc.	BUY	9.65	Ordinary	5,964	5,964
7-Dec-2018	The Vanguard Group, Inc.	BUY	9.65	Ordinary	6,816	6,816
7-Dec-2018	The Vanguard Group, Inc.	SELL	9.77	Ordinary	(4,354)	(4,354)
10-Dec-2018	The Vanguard Group, Inc.	BUY	9.59	Ordinary	39,723	39,723
10-Dec-2018	The Vanguard Group, Inc.	BUY	9.43	Ordinary	3,547	3,547
11-Dec-2018	The Vanguard Group, Inc.	BUY	9.51	Ordinary	124,679	124,679
11-Dec-2018	The Vanguard Group, Inc.	BUY	9.56	Ordinary	6,816	6,816
11-Dec-2018	The Vanguard Group, Inc.	BUY	9.56	Ordinary	5,112	5,112
12-Dec-2018	The Vanguard Group, Inc.	BUY	9.63	Ordinary	5,112	5,112
12-Dec-2018	The Vanguard Group, Inc.	BUY	9.63	Ordinary	5,112	5,112
12-Dec-2018	The Vanguard Group, Inc.	BUY	9.63	Ordinary	14,484	14,484
12-Dec-2018	The Vanguard Group, Inc.	SELL	9.53	Ordinary	(588)	(588)
13-Dec-2018	The Vanguard Group, Inc.	BUY	9.57	Ordinary	714	714
13-Dec-2018	The Vanguard Group, Inc.	BUY	9.59	Ordinary	313	313
14-Dec-2018	The Vanguard Group, Inc.	BUY	9.52	Ordinary	5,112	5,112
14-Dec-2018	The Vanguard Group, Inc.	SELL	9.56	Ordinary	(1,292)	(1,292)
17-Dec-2018	The Vanguard Group, Inc.	BUY	9.53	Ordinary	10,224	10,224
20-Dec-2018	The Vanguard Group, Inc.	BUY	9.38	Ordinary	6,816	6,816
20-Dec-2018	The Vanguard Group, Inc.	SELL	9.42	Ordinary	(14,604)	(14,604)
21-Dec-2018	The Vanguard Group, Inc.	BUY	9.19	Ordinary	1,616	1,616
21-Dec-2018	The Vanguard Group, Inc.	BUY	9.19	Ordinary	911	911
21-Dec-2018	The Vanguard Group, Inc.	BUY	9.19	Ordinary	985	985
21-Dec-2018	The Vanguard Group, Inc.	SELL	9.20	Ordinary	(452)	(452)
27-Dec-2018	The Vanguard Group, Inc.	BUY	9.49	Ordinary	318	318
28-Dec-2018	The Vanguard Group, Inc.	BUY	9.63	Ordinary	21,785	21,785
2-Jan-2019	The Vanguard Group, Inc.	BUY	9.70	Ordinary	587	587
2-Jan-2019	The Vanguard Group, Inc.	BUY	9.57	Ordinary	784	784
2-Jan-2019	The Vanguard Group, Inc.	BUY	9.51	Ordinary	4,208	4,208
3-Jan-2019	The Vanguard Group, Inc.	BUY	9.58	Ordinary	784	784
8-Jan-2019	The Vanguard Group, Inc.	SELL	9.86	Ordinary	(586)	(586)
8-Jan-2019	The Vanguard Group, Inc.	SELL	9.93	Ordinary	(14,352)	(14,352)
10-Jan-2019	The Vanguard Group, Inc.	BUY	10.28	Ordinary	1,568	1,568
10-Jan-2019	The Vanguard Group, Inc.	BUY	10.24	Ordinary	3,518	3,518
17-Jan-2019	The Vanguard Group, Inc.	SELL	10.41	Ordinary	(5,958)	(5,958)
17-Jan-2019	The Vanguard Group, Inc.	SELL	10.37	Ordinary	(4,588)	(4,588)
22-Jan-2019	The Vanguard Group, Inc.	SELL	10.26	Ordinary	(5,958)	(5,958)
22-Jan-2019	The Vanguard Group, Inc.	BUY	10.29	Ordinary	218	218
23-Jan-2019	The Vanguard Group, Inc.	SELL	10.18	Ordinary	(12,909)	(12,909)
24-Jan-2019	The Vanguard Group, Inc.	SELL	10.17	Ordinary	(12,909)	(12,909)
24-Jan-2019	The Vanguard Group, Inc.	BUY	10.15	Ordinary	4,823	4,823
25-Jan-2019	The Vanguard Group, Inc.	BUY	10.27	Ordinary	1,302	1,302
29-Jan-2019	The Vanguard Group, Inc.	SELL	10.25	Ordinary	(7,944)	(7,944)
29-Jan-2019	The Vanguard Group, Inc.	SELL	10.25	Ordinary	(7,944)	(7,944)
29-Jan-2019	The Vanguard Group, Inc.	SELL	10.25	Ordinary	(18,867)	(18,867)
30-Jan-2019	The Vanguard Group, Inc.	SELL	10.25	Ordinary	(13,625)	(13,625)
30-Jan-2019	The Vanguard Group, Inc.	BUY	10.25	Ordinary	9,970	9,970
31-Jan-2019	The Vanguard Group, Inc.	BUY	10.17	Ordinary	236	236
7-Feb-2019	The Vanguard Group, Inc.	SELL	10.61	Ordinary	(4,160)	(4,160)
8-Feb-2019	The Vanguard Group, Inc.	BUY	10.66	Ordinary	6,007	6,007
11-Feb-2019	The Vanguard Group, Inc.	BUY	10.23	Ordinary	7,928	7,928
12-Feb-2019	The Vanguard Group, Inc.	SELL	9.95	Ordinary	(20,656)	(20,656)
15-Feb-2019	The Vanguard Group, Inc.	SELL	9.90	Ordinary	(148)	(148)
20-Feb-2019	The Vanguard Group, Inc.	BUY	8.85	Ordinary	7,994	7,994
20-Feb-2019	The Vanguard Group, Inc.	SELL	9.06	Ordinary	(3,114)	(3,114)
22-Feb-2019	The Vanguard Group, Inc.	BUY	8.92	Ordinary	18,208	18,208
22-Feb-2019	The Vanguard Group, Inc.	BUY	8.92	Ordinary	4,775	4,775
26-Feb-2019	The Vanguard Group, Inc.	BUY	8.81	Ordinary	4,965	4,965
27-Feb-2019	The Vanguard Group, Inc.	BUY	8.95	Ordinary	1,670	1,670
27-Feb-2019	The Vanguard Group, Inc.	BUY	8.92	Ordinary	236	236

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
28-Feb-2019	The Vanguard Group, Inc.	BUY	9.01	Ordinary	8,145	8,145
1-Mar-2019	The Vanguard Group, Inc.	BUY	9.11	Ordinary	335	335
4-Mar-2019	The Vanguard Group, Inc.	SELL	9.10	Ordinary	(16,253)	(16,253)
5-Mar-2019	The Vanguard Group, Inc.	BUY	9.14	Ordinary	5,958	5,958
5-Mar-2019	The Vanguard Group, Inc.	SELL	9.14	Ordinary	(3,866)	(3,866)
6-Mar-2019	The Vanguard Group, Inc.	BUY	9.17	Ordinary	1,208	1,208
8-Mar-2019	The Vanguard Group, Inc.	BUY	9.07	Ordinary	4,965	4,965
8-Mar-2019	The Vanguard Group, Inc.	BUY	9.08	Ordinary	1,781	1,781
11-Mar-2019	The Vanguard Group, Inc.	BUY	9.10	Ordinary	236	236
15-Mar-2019	The Vanguard Group, Inc.	BUY	9.22	Ordinary	9,070	9,070
15-Mar-2019	The Vanguard Group, Inc.	BUY	9.22	Ordinary	15,484	15,484
19-Mar-2019	The Vanguard Group, Inc.	BUY	9.22	Ordinary	152	152
20-Mar-2019	The Vanguard Group, Inc.	BUY	9.22	Ordinary	2,979	2,979
20-Mar-2019	The Vanguard Group, Inc.	BUY	9.24	Ordinary	1,936	1,936
27-Mar-2019	The Vanguard Group, Inc.	SELL	9.11	Ordinary	(1,202)	(1,202)
29-Mar-2019	The Vanguard Group, Inc.	BUY	9.10	Ordinary	236	236
29-Mar-2019	The Vanguard Group, Inc.	SELL	9.10	Ordinary	(5,202)	(5,202)
29-Mar-2019	The Vanguard Group, Inc.	BUY	9.17	Ordinary	4,254	4,254
1-Apr-2019	The Vanguard Group, Inc.	BUY	9.35	Ordinary	3,972	3,972
1-Apr-2019	The Vanguard Group, Inc.	BUY	9.32	Ordinary	2,702	2,702
4-Apr-2019	The Vanguard Group, Inc.	BUY	9.47	Ordinary	759	759
4-Apr-2019	The Vanguard Group, Inc.	SELL	9.47	Ordinary	(3,766)	(3,766)
10-Apr-2019	The Vanguard Group, Inc.	BUY	9.41	Ordinary	7,962	7,962
16-Apr-2019	The Vanguard Group, Inc.	BUY	8.93	Ordinary	976	976
16-Apr-2019	The Vanguard Group, Inc.	BUY	8.95	Ordinary	236	236
18-Apr-2019	The Vanguard Group, Inc.	BUY	9.13	Ordinary	5,144	5,144
23-Apr-2019	The Vanguard Group, Inc.	SELL	9.21	Ordinary	(2,077)	(2,077)
24-Apr-2019	The Vanguard Group, Inc.	SELL	9.32	Ordinary	(15,354)	(15,354)
24-Apr-2019	The Vanguard Group, Inc.	BUY	9.27	Ordinary	772	772
26-Apr-2019	The Vanguard Group, Inc.	BUY	9.43	Ordinary	4,965	4,965
26-Apr-2019	The Vanguard Group, Inc.	SELL	9.33	Ordinary	(230)	(230)
30-Apr-2019	The Vanguard Group, Inc.	BUY	9.27	Ordinary	1,464	1,464
3-May-2019	The Vanguard Group, Inc.	BUY	8.90	Ordinary	759	759
6-May-2019	The Vanguard Group, Inc.	SELL	8.86	Ordinary	(3,120)	(3,120)
7-May-2019	The Vanguard Group, Inc.	BUY	8.94	Ordinary	759	759
8-May-2019	The Vanguard Group, Inc.	SELL	8.98	Ordinary	(3,120)	(3,120)
8-May-2019	The Vanguard Group, Inc.	BUY	8.98	Ordinary	1,464	1,464
9-May-2019	The Vanguard Group, Inc.	BUY	8.99	Ordinary	5,958	5,958
10-May-2019	The Vanguard Group, Inc.	SELL	8.94	Ordinary	(6,622)	(6,622)
10-May-2019	The Vanguard Group, Inc.	BUY	8.94	Ordinary	573	573
14-May-2019	The Vanguard Group, Inc.	SELL	8.96	Ordinary	(3,120)	(3,120)
14-May-2019	The Vanguard Group, Inc.	BUY	8.87	Ordinary	80,039	80,039
14-May-2019	The Vanguard Group, Inc.	BUY	8.89	Ordinary	236	236
15-May-2019	The Vanguard Group, Inc.	BUY	8.91	Ordinary	5,298	5,298
16-May-2019	The Vanguard Group, Inc.	BUY	8.92	Ordinary	62,557	62,557
17-May-2019	The Vanguard Group, Inc.	BUY	8.89	Ordinary	41,263	41,263
21-May-2019	The Vanguard Group, Inc.	BUY	9.19	Ordinary	3,308	3,308
24-May-2019	The Vanguard Group, Inc.	BUY	9.05	Ordinary	1,476	1,476
28-May-2019	The Vanguard Group, Inc.	BUY	9.20	Ordinary	4,965	4,965
28-May-2019	The Vanguard Group, Inc.	BUY	9.24	Ordinary	15,920	15,920
28-May-2019	The Vanguard Group, Inc.	BUY	9.24	Ordinary	3,162	3,162
29-May-2019	The Vanguard Group, Inc.	SELL	9.31	Ordinary	(392)	(392)
29-May-2019	The Vanguard Group, Inc.	SELL	9.31	Ordinary	(1,997)	(1,997)
30-May-2019	The Vanguard Group, Inc.	BUY	9.31	Ordinary	90,426	90,426
31-May-2019	The Vanguard Group, Inc.	SELL	9.26	Ordinary	(12,018)	(12,018)
4-Jun-2019	The Vanguard Group, Inc.	BUY	9.31	Ordinary	3,215	3,215
5-Jun-2019	The Vanguard Group, Inc.	SELL	9.38	Ordinary	(2,080)	(2,080)
5-Jun-2019	The Vanguard Group, Inc.	SELL	9.38	Ordinary	(4,160)	(4,160)
5-Jun-2019	The Vanguard Group, Inc.	SELL	9.35	Ordinary	(759)	(759)
6-Jun-2019	The Vanguard Group, Inc.	BUY	9.44	Ordinary	236	236
6-Jun-2019	The Vanguard Group, Inc.	SELL	9.44	Ordinary	(12,669)	(12,669)
7-Jun-2019	The Vanguard Group, Inc.	BUY	9.52	Ordinary	976	976
10-Jun-2019	The Vanguard Group, Inc.	BUY	9.55	Ordinary	1,464	1,464
11-Jun-2019	The Vanguard Group, Inc.	SELL	9.56	Ordinary	(2,600)	(2,600)
11-Jun-2019	The Vanguard Group, Inc.	BUY	9.58	Ordinary	151	151
12-Jun-2019	The Vanguard Group, Inc.	BUY	9.49	Ordinary	7,210	7,210
12-Jun-2019	The Vanguard Group, Inc.	BUY	9.49	Ordinary	573	573
13-Jun-2019	The Vanguard Group, Inc.	SELL	9.56	Ordinary	(27,722)	(27,722)
14-Jun-2019	The Vanguard Group, Inc.	SELL	9.55	Ordinary	(1,560)	(1,560)
14-Jun-2019	The Vanguard Group, Inc.	BUY	9.55	Ordinary	976	976
14-Jun-2019	The Vanguard Group, Inc.	BUY	9.55	Ordinary	976	976
14-Jun-2019	The Vanguard Group, Inc.	SELL	9.53	Ordinary	(14,861)	(14,861)

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17-Jun-2019	The Vanguard Group, Inc.	BUY	9.53	Ordinary	236	236
17-Jun-2019	The Vanguard Group, Inc.	SELL	9.53	Ordinary	(3,321)	(3,321)
21-Jun-2019	The Vanguard Group, Inc.	SELL	9.53	Ordinary	(3,054)	(3,054)
25-Jun-2019	The Vanguard Group, Inc.	SELL	9.44	Ordinary	(1,560)	(1,560)
26-Jun-2019	The Vanguard Group, Inc.	BUY	9.49	Ordinary	759	759
26-Jun-2019	The Vanguard Group, Inc.	BUY	9.49	Ordinary	3,017	3,017
27-Jun-2019	The Vanguard Group, Inc.	SELL	9.51	Ordinary	(636)	(636)
28-Jun-2019	The Vanguard Group, Inc.	BUY	9.54	Ordinary	4,520	4,520
28-Jun-2019	The Vanguard Group, Inc.	SELL	9.53	Ordinary	(150)	(150)
1-Jul-2019	The Vanguard Group, Inc.	BUY	9.51	Ordinary	904	904
2-Jul-2019	The Vanguard Group, Inc.	BUY	9.45	Ordinary	6,357	6,357
3-Jul-2019	The Vanguard Group, Inc.	BUY	9.38	Ordinary	31,185	31,185
4-Jul-2019	The Vanguard Group, Inc.	BUY	9.50	Ordinary	3,529	3,529
5-Jul-2019	The Vanguard Group, Inc.	BUY	9.56	Ordinary	3,972	3,972
9-Jul-2019	The Vanguard Group, Inc.	BUY	9.35	Ordinary	236	236
10-Jul-2019	The Vanguard Group, Inc.	BUY	9.34	Ordinary	1,091	1,091
12-Jul-2019	The Vanguard Group, Inc.	BUY	9.35	Ordinary	4,070	4,070
12-Jul-2019	The Vanguard Group, Inc.	SELL	9.39	Ordinary	(6,051)	(6,051)
15-Jul-2019	The Vanguard Group, Inc.	BUY	9.28	Ordinary	5,958	5,958
22-Jul-2019	The Vanguard Group, Inc.	BUY	9.14	Ordinary	4,965	4,965
22-Jul-2019	The Vanguard Group, Inc.	BUY	9.14	Ordinary	4,965	4,965
22-Jul-2019	The Vanguard Group, Inc.	SELL	9.14	Ordinary	(7,077)	(7,077)
26-Jul-2019	The Vanguard Group, Inc.	BUY	9.25	Ordinary	177	177
29-Jul-2019	The Vanguard Group, Inc.	SELL	9.28	Ordinary	(10,287)	(10,287)
30-Jul-2019	The Vanguard Group, Inc.	SELL	9.33	Ordinary	(2,080)	(2,080)
30-Jul-2019	The Vanguard Group, Inc.	BUY	9.33	Ordinary	802	802
30-Jul-2019	The Vanguard Group, Inc.	BUY	9.33	Ordinary	759	759
30-Jul-2019	The Vanguard Group, Inc.	BUY	9.32	Ordinary	5,193	5,193
1-Aug-2019	The Vanguard Group, Inc.	BUY	9.25	Ordinary	8,937	8,937
1-Aug-2019	The Vanguard Group, Inc.	SELL	9.27	Ordinary	(15,075)	(15,075)
6-Aug-2019	The Vanguard Group, Inc.	BUY	8.88	Ordinary	802	802
7-Aug-2019	The Vanguard Group, Inc.	SELL	8.85	Ordinary	(359)	(359)
8-Aug-2019	The Vanguard Group, Inc.	SELL	9.06	Ordinary	(2,600)	(2,600)
8-Aug-2019	The Vanguard Group, Inc.	BUY	9.03	Ordinary	1,548	1,548
13-Aug-2019	The Vanguard Group, Inc.	SELL	9.07	Ordinary	(3,640)	(3,640)
13-Aug-2019	The Vanguard Group, Inc.	BUY	9.03	Ordinary	107,107	107,107
14-Aug-2019	The Vanguard Group, Inc.	BUY	9.08	Ordinary	236	236
15-Aug-2019	The Vanguard Group, Inc.	SELL	8.84	Ordinary	(3,120)	(3,120)
15-Aug-2019	The Vanguard Group, Inc.	BUY	8.92	Ordinary	6,361	6,361
19-Aug-2019	The Vanguard Group, Inc.	BUY	8.98	Ordinary	802	802
19-Aug-2019	The Vanguard Group, Inc.	BUY	8.96	Ordinary	4,170	4,170
19-Aug-2019	The Vanguard Group, Inc.	SELL	8.96	Ordinary	(642)	(642)
20-Aug-2019	The Vanguard Group, Inc.	BUY	8.96	Ordinary	802	802
22-Aug-2019	The Vanguard Group, Inc.	BUY	9.05	Ordinary	178,234	178,234
22-Aug-2019	The Vanguard Group, Inc.	SELL	9.04	Ordinary	(19,117)	(19,117)
23-Aug-2019	The Vanguard Group, Inc.	BUY	9.01	Ordinary	802	802
27-Aug-2019	The Vanguard Group, Inc.	BUY	9.05	Ordinary	6,389	6,389
29-Aug-2019	The Vanguard Group, Inc.	BUY	9.10	Ordinary	5,585	5,585
2-Sep-2019	The Vanguard Group, Inc.	BUY	9.05	Ordinary	4,082	4,082
6-Sep-2019	The Vanguard Group, Inc.	BUY	9.20	Ordinary	236	236
16-Sep-2019	The Vanguard Group, Inc.	BUY	9.89	Ordinary	1,560	1,560
16-Sep-2019	The Vanguard Group, Inc.	BUY	9.89	Ordinary	802	802
16-Sep-2019	The Vanguard Group, Inc.	BUY	9.88	Ordinary	3,749	3,749
20-Sep-2019	The Vanguard Group, Inc.	SELL	9.72	Ordinary	(1,143)	(1,143)
20-Sep-2019	The Vanguard Group, Inc.	SELL	9.72	Ordinary	(1,580)	(1,580)
24-Sep-2019	The Vanguard Group, Inc.	BUY	9.81	Ordinary	4,673	4,673
25-Sep-2019	The Vanguard Group, Inc.	BUY	9.82	Ordinary	6,023	6,023
27-Sep-2019	The Vanguard Group, Inc.	SELL	9.92	Ordinary	(279)	(279)
1-Oct-2019	The Vanguard Group, Inc.	BUY	9.90	Ordinary	778	778
2-Oct-2019	The Vanguard Group, Inc.	BUY	9.69	Ordinary	802	802
4-Oct-2019	The Vanguard Group, Inc.	BUY	9.60	Ordinary	802	802
8-Oct-2019	The Vanguard Group, Inc.	BUY	9.60	Ordinary	802	802
18-Oct-2019	The Vanguard Group, Inc.	BUY	9.32	Ordinary	10,283	10,283
21-Oct-2019	The Vanguard Group, Inc.	BUY	9.18	Ordinary	207	207
23-Oct-2019	The Vanguard Group, Inc.	BUY	9.17	Ordinary	1,588	1,588
25-Oct-2019	The Vanguard Group, Inc.	SELL	9.10	Ordinary	(6,240)	(6,240)
25-Oct-2019	The Vanguard Group, Inc.	BUY	9.10	Ordinary	1,203	1,203
25-Oct-2019	The Vanguard Group, Inc.	BUY	9.08	Ordinary	207	207
25-Oct-2019	The Vanguard Group, Inc.	BUY	9.08	Ordinary	8,691	8,691
28-Oct-2019	The Vanguard Group, Inc.	BUY	9.09	Ordinary	12,604	12,604
5-Nov-2019	The Vanguard Group, Inc.	BUY	9.15	Ordinary	29,855	29,855
5-Nov-2019	The Vanguard Group, Inc.	BUY	9.15	Ordinary	12,602	12,602

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7-Nov-2019	The Vanguard Group, Inc.	BUY	8.68	Ordinary	6,041	6,041
8-Nov-2019	The Vanguard Group, Inc.	BUY	8.77	Ordinary	802	802
8-Nov-2019	The Vanguard Group, Inc.	BUY	8.75	Ordinary	252	252
15-Nov-2019	The Vanguard Group, Inc.	BUY	8.62	Ordinary	802	802
18-Nov-2019	The Vanguard Group, Inc.	BUY	8.63	Ordinary	2,879	2,879
19-Nov-2019	The Vanguard Group, Inc.	BUY	8.63	Ordinary	252	252
21-Nov-2019	The Vanguard Group, Inc.	BUY	8.56	Ordinary	802	802
22-Nov-2019	The Vanguard Group, Inc.	SELL	8.59	Ordinary	(632)	(632)
26-Nov-2019	The Vanguard Group, Inc.	BUY	7.78	Ordinary	176,937	176,937
27-Nov-2019	The Vanguard Group, Inc.	BUY	7.75	Ordinary	778	778
28-Nov-2019	The Vanguard Group, Inc.	SELL	7.96	Ordinary	(26,787)	(26,787)
28-Nov-2019	The Vanguard Group, Inc.	SELL	7.96	Ordinary	(112,762)	(112,762)
28-Nov-2019	The Vanguard Group, Inc.	SELL	7.96	Ordinary	(105,341)	(105,341)
28-Nov-2019	The Vanguard Group, Inc.	SELL	7.96	Ordinary	(837,716)	(837,716)
29-Nov-2019	The Vanguard Group, Inc.	BUY	7.84	Ordinary	802	802
29-Nov-2019	The Vanguard Group, Inc.	BUY	7.83	Ordinary	252	252
2-Dec-2019	The Vanguard Group, Inc.	BUY	7.68	Ordinary	14,490	14,490
3-Dec-2019	The Vanguard Group, Inc.	BUY	7.51	Ordinary	444	444
3-Dec-2019	The Vanguard Group, Inc.	BUY	7.53	Ordinary	504	504
3-Dec-2019	The Vanguard Group, Inc.	BUY	7.53	Ordinary	252	252
4-Dec-2019	The Vanguard Group, Inc.	BUY	7.51	Ordinary	5,312	5,312
4-Dec-2019	The Vanguard Group, Inc.	BUY	7.42	Ordinary	83	83
5-Dec-2019	The Vanguard Group, Inc.	BUY	7.50	Ordinary	75,528	75,528
9-Dec-2019	The Vanguard Group, Inc.	BUY	7.45	Ordinary	2,008	2,008
10-Dec-2019	The Vanguard Group, Inc.	BUY	7.30	Ordinary	252	252
11-Dec-2019	The Vanguard Group, Inc.	BUY	7.25	Ordinary	802	802
11-Dec-2019	The Vanguard Group, Inc.	BUY	7.25	Ordinary	802	802
11-Dec-2019	The Vanguard Group, Inc.	BUY	7.27	Ordinary	880	880
11-Dec-2019	The Vanguard Group, Inc.	BUY	7.27	Ordinary	565	565
12-Dec-2019	The Vanguard Group, Inc.	BUY	7.11	Ordinary	536	536
13-Dec-2019	The Vanguard Group, Inc.	BUY	7.37	Ordinary	222	222
16-Dec-2019	The Vanguard Group, Inc.	BUY	7.47	Ordinary	802	802
20-Dec-2019	The Vanguard Group, Inc.	SELL	7.38	Ordinary	(201,269)	(201,269)
20-Dec-2019	The Vanguard Group, Inc.	SELL	7.38	Ordinary	(88,742)	(88,742)
20-Dec-2019	The Vanguard Group, Inc.	SELL	7.38	Ordinary	(20,073)	(20,073)
20-Dec-2019	The Vanguard Group, Inc.	SELL	7.38	Ordinary	(5,698)	(5,698)
23-Dec-2019	The Vanguard Group, Inc.	BUY	7.34	Ordinary	12,684	12,684
23-Dec-2019	The Vanguard Group, Inc.	BUY	7.34	Ordinary	2,718	2,718
23-Dec-2019	The Vanguard Group, Inc.	BUY	7.34	Ordinary	738	738
24-Dec-2019	The Vanguard Group, Inc.	BUY	7.32	Ordinary	5,436	5,436
26-Dec-2019	The Vanguard Group, Inc.	BUY	7.33	Ordinary	13,590	13,590
27-Dec-2019	The Vanguard Group, Inc.	BUY	7.38	Ordinary	802	802
30-Dec-2019	The Vanguard Group, Inc.	SELL	7.37	Ordinary	(19,688)	(19,688)
31-Dec-2019	The Vanguard Group, Inc.	BUY	7.25	Ordinary	252	252
31-Dec-2019	The Vanguard Group, Inc.	BUY	7.25	Ordinary	252	252
2-Jan-2020	The Vanguard Group, Inc.	BUY	7.30	Ordinary	802	802
3-Jan-2020	The Vanguard Group, Inc.	BUY	7.30	Ordinary	802	802
6-Jan-2020	The Vanguard Group, Inc.	BUY	7.24	Ordinary	2,406	2,406
8-Jan-2020	The Vanguard Group, Inc.	BUY	7.26	Ordinary	252	252
9-Jan-2020	The Vanguard Group, Inc.	BUY	7.33	Ordinary	16,308	16,308
9-Jan-2020	The Vanguard Group, Inc.	BUY	7.31	Ordinary	27,980	27,980
9-Jan-2020	The Vanguard Group, Inc.	BUY	7.31	Ordinary	2,194	2,194
10-Jan-2020	The Vanguard Group, Inc.	BUY	7.34	Ordinary	63,465	63,465
10-Jan-2020	The Vanguard Group, Inc.	BUY	7.35	Ordinary	252	252
13-Jan-2020	The Vanguard Group, Inc.	BUY	7.32	Ordinary	778	778
13-Jan-2020	The Vanguard Group, Inc.	BUY	7.32	Ordinary	252	252
15-Jan-2020	The Vanguard Group, Inc.	BUY	7.32	Ordinary	7,248	7,248
15-Jan-2020	The Vanguard Group, Inc.	BUY	7.32	Ordinary	252	252
16-Jan-2020	The Vanguard Group, Inc.	BUY	7.42	Ordinary	8,154	8,154
17-Jan-2020	The Vanguard Group, Inc.	BUY	7.41	Ordinary	7,248	7,248
17-Jan-2020	The Vanguard Group, Inc.	BUY	7.41	Ordinary	8,154	8,154
17-Jan-2020	The Vanguard Group, Inc.	BUY	7.41	Ordinary	401	401
21-Jan-2020	The Vanguard Group, Inc.	BUY	7.34	Ordinary	1,203	1,203
22-Jan-2020	The Vanguard Group, Inc.	BUY	7.39	Ordinary	5,436	5,436
22-Jan-2020	The Vanguard Group, Inc.	BUY	7.40	Ordinary	778	778
23-Jan-2020	The Vanguard Group, Inc.	BUY	7.35	Ordinary	4,530	4,530
28-Jan-2020	The Vanguard Group, Inc.	BUY	7.41	Ordinary	252	252
31-Jan-2020	The Vanguard Group, Inc.	BUY	7.71	Ordinary	104,893	104,893
31-Jan-2020	The Vanguard Group, Inc.	BUY	7.60	Ordinary	5,436	5,436
31-Jan-2020	The Vanguard Group, Inc.	BUY	7.60	Ordinary	5,436	5,436
31-Jan-2020	The Vanguard Group, Inc.	BUY	7.60	Ordinary	802	802
3-Feb-2020	The Vanguard Group, Inc.	BUY	7.47	Ordinary	2,334	2,334

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4-Feb-2020	The Vanguard Group, Inc.	BUY	7.49	Ordinary	2,310	2,310
4-Feb-2020	The Vanguard Group, Inc.	BUY	7.49	Ordinary	252	252
5-Feb-2020	The Vanguard Group, Inc.	BUY	7.48	Ordinary	16,796	16,796
5-Feb-2020	The Vanguard Group, Inc.	BUY	7.48	Ordinary	6,188	6,188
10-Feb-2020	The Vanguard Group, Inc.	BUY	7.58	Ordinary	7,956	7,956
10-Feb-2020	The Vanguard Group, Inc.	BUY	7.58	Ordinary	802	802
10-Feb-2020	The Vanguard Group, Inc.	BUY	7.55	Ordinary	778	778
11-Feb-2020	The Vanguard Group, Inc.	BUY	7.56	Ordinary	5,304	5,304
11-Feb-2020	The Vanguard Group, Inc.	BUY	7.57	Ordinary	252	252
11-Feb-2020	The Vanguard Group, Inc.	BUY	7.57	Ordinary	252	252
13-Feb-2020	The Vanguard Group, Inc.	BUY	7.57	Ordinary	11,492	11,492
13-Feb-2020	The Vanguard Group, Inc.	BUY	7.57	Ordinary	252	252
14-Feb-2020	The Vanguard Group, Inc.	BUY	7.65	Ordinary	5,304	5,304
14-Feb-2020	The Vanguard Group, Inc.	BUY	7.65	Ordinary	1,203	1,203
19-Feb-2020	The Vanguard Group, Inc.	BUY	7.56	Ordinary	80,243	80,243
19-Feb-2020	The Vanguard Group, Inc.	BUY	7.57	Ordinary	4,420	4,420
19-Feb-2020	The Vanguard Group, Inc.	SELL	7.56	Ordinary	(1,682)	(1,682)
20-Feb-2020	The Vanguard Group, Inc.	BUY	7.60	Ordinary	5,446	5,446
21-Feb-2020	The Vanguard Group, Inc.	BUY	7.65	Ordinary	7,072	7,072
24-Feb-2020	The Vanguard Group, Inc.	SELL	7.48	Ordinary	(2,440)	(2,440)
24-Feb-2020	The Vanguard Group, Inc.	BUY	7.48	Ordinary	802	802
25-Feb-2020	The Vanguard Group, Inc.	SELL	7.32	Ordinary	(976)	(976)
25-Feb-2020	The Vanguard Group, Inc.	BUY	7.32	Ordinary	5,304	5,304
26-Feb-2020	The Vanguard Group, Inc.	BUY	7.34	Ordinary	87,062	87,062
26-Feb-2020	The Vanguard Group, Inc.	BUY	7.31	Ordinary	2,612	2,612
28-Feb-2020	The Vanguard Group, Inc.	BUY	7.49	Ordinary	83,504	83,504
28-Feb-2020	The Vanguard Group, Inc.	BUY	7.48	Ordinary	2,316	2,316
2-Mar-2020	The Vanguard Group, Inc.	SELL	7.49	Ordinary	(7,072)	(7,072)
3-Mar-2020	The Vanguard Group, Inc.	BUY	7.17	Ordinary	802	802
3-Mar-2020	The Vanguard Group, Inc.	BUY	7.26	Ordinary	2,251	2,251
4-Mar-2020	The Vanguard Group, Inc.	BUY	7.19	Ordinary	5,813	5,813
4-Mar-2020	The Vanguard Group, Inc.	BUY	7.22	Ordinary	1,604	1,604
4-Mar-2020	The Vanguard Group, Inc.	BUY	7.22	Ordinary	1,203	1,203
4-Mar-2020	The Vanguard Group, Inc.	BUY	7.12	Ordinary	11,370	11,370
6-Mar-2020	The Vanguard Group, Inc.	SELL	6.91	Ordinary	(5,304)	(5,304)
6-Mar-2020	The Vanguard Group, Inc.	BUY	6.93	Ordinary	252	252
9-Mar-2020	The Vanguard Group, Inc.	BUY	6.19	Ordinary	1,203	1,203
9-Mar-2020	The Vanguard Group, Inc.	BUY	6.19	Ordinary	401	401
10-Mar-2020	The Vanguard Group, Inc.	SELL	6.74	Ordinary	(4,420)	(4,420)
11-Mar-2020	The Vanguard Group, Inc.	SELL	6.27	Ordinary	(2,652)	(2,652)
11-Mar-2020	The Vanguard Group, Inc.	BUY	6.29	Ordinary	271	271
12-Mar-2020	The Vanguard Group, Inc.	SELL	5.72	Ordinary	(9,724)	(9,724)
13-Mar-2020	The Vanguard Group, Inc.	BUY	6.01	Ordinary	101,500	101,500
13-Mar-2020	The Vanguard Group, Inc.	BUY	6.20	Ordinary	2,005	2,005
13-Mar-2020	The Vanguard Group, Inc.	BUY	6.20	Ordinary	401	401
13-Mar-2020	The Vanguard Group, Inc.	BUY	6.01	Ordinary	252	252
13-Mar-2020	The Vanguard Group, Inc.	BUY	6.01	Ordinary	14,616	14,616
16-Mar-2020	The Vanguard Group, Inc.	SELL	5.01	Ordinary	(1,464)	(1,464)
16-Mar-2020	The Vanguard Group, Inc.	BUY	5.23	Ordinary	778	778
16-Mar-2020	The Vanguard Group, Inc.	BUY	5.23	Ordinary	259	259
17-Mar-2020	The Vanguard Group, Inc.	SELL	5.55	Ordinary	(1,952)	(1,952)
17-Mar-2020	The Vanguard Group, Inc.	SELL	5.55	Ordinary	(7,072)	(7,072)
17-Mar-2020	The Vanguard Group, Inc.	SELL	5.55	Ordinary	(8,840)	(8,840)
17-Mar-2020	The Vanguard Group, Inc.	BUY	5.48	Ordinary	13,356	13,356
18-Mar-2020	The Vanguard Group, Inc.	BUY	5.42	Ordinary	125,061	125,061
18-Mar-2020	The Vanguard Group, Inc.	BUY	5.56	Ordinary	1,604	1,604
19-Mar-2020	The Vanguard Group, Inc.	BUY	5.63	Ordinary	520,761	520,761
19-Mar-2020	The Vanguard Group, Inc.	BUY	5.52	Ordinary	802	802
19-Mar-2020	The Vanguard Group, Inc.	BUY	5.63	Ordinary	499	499
20-Mar-2020	The Vanguard Group, Inc.	BUY	5.56	Ordinary	77,257	77,257
20-Mar-2020	The Vanguard Group, Inc.	SELL	5.48	Ordinary	(2,440)	(2,440)
20-Mar-2020	The Vanguard Group, Inc.	BUY	5.56	Ordinary	490,726	490,726
20-Mar-2020	The Vanguard Group, Inc.	BUY	5.56	Ordinary	279,505	279,505
20-Mar-2020	The Vanguard Group, Inc.	BUY	5.56	Ordinary	76,439	76,439
20-Mar-2020	The Vanguard Group, Inc.	BUY	5.56	Ordinary	10,821	10,821
20-Mar-2020	The Vanguard Group, Inc.	BUY	5.48	Ordinary	802	802
20-Mar-2020	The Vanguard Group, Inc.	BUY	5.56	Ordinary	11,430	11,430
20-Mar-2020	The Vanguard Group, Inc.	BUY	5.56	Ordinary	10,070	10,070
20-Mar-2020	The Vanguard Group, Inc.	SELL	5.56	Ordinary	(624)	(624)
20-Mar-2020	The Vanguard Group, Inc.	BUY	5.56	Ordinary	59,483	59,483
23-Mar-2020	The Vanguard Group, Inc.	SELL	5.25	Ordinary	(18,756)	(18,756)
23-Mar-2020	The Vanguard Group, Inc.	SELL	4.88	Ordinary	(1,952)	(1,952)

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23-Mar-2020	The Vanguard Group, Inc.	BUY	4.85	Ordinary	866	866
24-Mar-2020	The Vanguard Group, Inc.	SELL	4.84	Ordinary	(3,868)	(3,868)
26-Mar-2020	The Vanguard Group, Inc.	SELL	5.09	Ordinary	(1,464)	(1,464)
26-Mar-2020	The Vanguard Group, Inc.	BUY	4.89	Ordinary	53,526	53,526
30-Mar-2020	The Vanguard Group, Inc.	BUY	4.89	Ordinary	33,484	33,484
30-Mar-2020	The Vanguard Group, Inc.	BUY	5.05	Ordinary	875	875
30-Mar-2020	The Vanguard Group, Inc.	BUY	5.05	Ordinary	840	840
30-Mar-2020	The Vanguard Group, Inc.	BUY	5.05	Ordinary	840	840
1-Apr-2020	The Vanguard Group, Inc.	BUY	5.08	Ordinary	1,750	1,750
1-Apr-2020	The Vanguard Group, Inc.	BUY	5.09	Ordinary	10,574	10,574
2-Apr-2020	The Vanguard Group, Inc.	BUY	5.07	Ordinary	1,203	1,203
7-Apr-2020	The Vanguard Group, Inc.	BUY	5.14	Ordinary	2,625	2,625
9-Apr-2020	The Vanguard Group, Inc.	BUY	4.98	Ordinary	401	401
9-Apr-2020	The Vanguard Group, Inc.	BUY	4.98	Ordinary	1,203	1,203
9-Apr-2020	The Vanguard Group, Inc.	BUY	4.98	Ordinary	2,892	2,892
14-Apr-2020	The Vanguard Group, Inc.	BUY	5.27	Ordinary	1,203	1,203
15-Apr-2020	The Vanguard Group, Inc.	SELL	5.07	Ordinary	(3,296)	(3,296)
15-Apr-2020	The Vanguard Group, Inc.	SELL	5.07	Ordinary	(7,416)	(7,416)
15-Apr-2020	The Vanguard Group, Inc.	SELL	5.07	Ordinary	(6,592)	(6,592)
15-Apr-2020	The Vanguard Group, Inc.	BUY	5.07	Ordinary	1,203	1,203
16-Apr-2020	The Vanguard Group, Inc.	BUY	4.91	Ordinary	874	874
21-Apr-2020	The Vanguard Group, Inc.	BUY	4.86	Ordinary	31,443	31,443
22-Apr-2020	The Vanguard Group, Inc.	SELL	4.69	Ordinary	(19,455)	(19,455)
30-Apr-2020	The Vanguard Group, Inc.	SELL	5.17	Ordinary	(7,416)	(7,416)
1-May-2020	The Vanguard Group, Inc.	SELL	4.82	Ordinary	(1,952)	(1,952)
1-May-2020	The Vanguard Group, Inc.	SELL	4.82	Ordinary	(9,888)	(9,888)
8-May-2020	The Vanguard Group, Inc.	SELL	4.85	Ordinary	(3,416)	(3,416)
13-May-2020	The Vanguard Group, Inc.	BUY	4.63	Ordinary	872	872
13-May-2020	The Vanguard Group, Inc.	BUY	4.63	Ordinary	9,312	9,312
14-May-2020	The Vanguard Group, Inc.	BUY	4.55	Ordinary	59,422	59,422
15-May-2020	The Vanguard Group, Inc.	BUY	4.72	Ordinary	872	872
21-May-2020	The Vanguard Group, Inc.	BUY	4.85	Ordinary	873	873
22-May-2020	The Vanguard Group, Inc.	BUY	4.81	Ordinary	1,203	1,203
22-May-2020	The Vanguard Group, Inc.	SELL	4.85	Ordinary	(4,303)	(4,303)
22-May-2020	The Vanguard Group, Inc.	BUY	4.77	Ordinary	3,311	3,311
27-May-2020	The Vanguard Group, Inc.	BUY	5.44	Ordinary	802	802
28-May-2020	The Vanguard Group, Inc.	BUY	5.54	Ordinary	5,856	5,856
29-May-2020	The Vanguard Group, Inc.	BUY	5.30	Ordinary	809	809
1-Jun-2020	The Vanguard Group, Inc.	BUY	5.29	Ordinary	2,440	2,440
2-Jun-2020	The Vanguard Group, Inc.	BUY	5.46	Ordinary	7,320	7,320
3-Jun-2020	The Vanguard Group, Inc.	BUY	5.60	Ordinary	1,203	1,203
4-Jun-2020	The Vanguard Group, Inc.	BUY	5.67	Ordinary	2,440	2,440
5-Jun-2020	The Vanguard Group, Inc.	BUY	6.24	Ordinary	802	802
9-Jun-2020	The Vanguard Group, Inc.	BUY	6.73	Ordinary	802	802
9-Jun-2020	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(144,939)	(144,939)
9-Jun-2020	The Vanguard Group, Inc.	SELL	6.31	Ordinary	(8,250)	(8,250)
9-Jun-2020	The Vanguard Group, Inc.	BUY	6.76	Ordinary	868	868
9-Jun-2020	The Vanguard Group, Inc.	BUY	6.76	Ordinary	304	304
11-Jun-2020	The Vanguard Group, Inc.	BUY	6.26	Ordinary	2,440	2,440
11-Jun-2020	The Vanguard Group, Inc.	SELL	6.26	Ordinary	(3,300)	(3,300)
11-Jun-2020	The Vanguard Group, Inc.	SELL	6.26	Ordinary	(8,250)	(8,250)
11-Jun-2020	The Vanguard Group, Inc.	SELL	6.26	Ordinary	(4,950)	(4,950)
15-Jun-2020	The Vanguard Group, Inc.	SELL	6.27	Ordinary	(4,950)	(4,950)
19-Jun-2020	The Vanguard Group, Inc.	BUY	6.19	Ordinary	802	802
19-Jun-2020	The Vanguard Group, Inc.	SELL	6.27	Ordinary	(5,404)	(5,404)
19-Jun-2020	The Vanguard Group, Inc.	SELL	6.27	Ordinary	(50,733)	(50,733)
19-Jun-2020	The Vanguard Group, Inc.	SELL	6.27	Ordinary	(22,069)	(22,069)
19-Jun-2020	The Vanguard Group, Inc.	SELL	6.27	Ordinary	(5,762)	(5,762)
19-Jun-2020	The Vanguard Group, Inc.	SELL	6.27	Ordinary	(21,068)	(21,068)
19-Jun-2020	The Vanguard Group, Inc.	SELL	6.27	Ordinary	(3,457)	(3,457)
19-Jun-2020	The Vanguard Group, Inc.	BUY	6.27	Ordinary	67	67
24-Jun-2020	The Vanguard Group, Inc.	SELL	6.26	Ordinary	(4,404)	(4,404)
24-Jun-2020	The Vanguard Group, Inc.	BUY	6.40	Ordinary	359	359
29-Jun-2020	The Vanguard Group, Inc.	BUY	6.24	Ordinary	1,203	1,203
29-Jun-2020	The Vanguard Group, Inc.	BUY	6.17	Ordinary	690	690
30-Jun-2020	The Vanguard Group, Inc.	SELL	6.23	Ordinary	(3,670)	(3,670)
1-Jul-2020	The Vanguard Group, Inc.	BUY	6.18	Ordinary	47,297	47,297
1-Jul-2020	The Vanguard Group, Inc.	BUY	6.20	Ordinary	345	345
6-Jul-2020	The Vanguard Group, Inc.	BUY	6.36	Ordinary	2,406	2,406
9-Jul-2020	The Vanguard Group, Inc.	SELL	6.18	Ordinary	(65,553)	(65,553)
14-Jul-2020	The Vanguard Group, Inc.	SELL	6.22	Ordinary	(34,105)	(34,105)
15-Jul-2020	The Vanguard Group, Inc.	SELL	6.15	Ordinary	(6,120)	(6,120)

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15-Jul-2020	The Vanguard Group, Inc.	SELL	6.15	Ordinary	(2,040)	(2,040)
15-Jul-2020	The Vanguard Group, Inc.	SELL	6.18	Ordinary	(58,950)	(58,950)
30-Jul-2020	The Vanguard Group, Inc.	BUY	6.17	Ordinary	802	802
30-Jul-2020	The Vanguard Group, Inc.	BUY	6.15	Ordinary	568	568
3-Aug-2020	The Vanguard Group, Inc.	BUY	5.77	Ordinary	2,592	2,592
4-Aug-2020	The Vanguard Group, Inc.	BUY	5.83	Ordinary	1,203	1,203
6-Aug-2020	The Vanguard Group, Inc.	BUY	5.91	Ordinary	802	802
13-Aug-2020	The Vanguard Group, Inc.	SELL	6.15	Ordinary	(2,040)	(2,040)
13-Aug-2020	The Vanguard Group, Inc.	BUY	6.17	Ordinary	582	582
17-Aug-2020	The Vanguard Group, Inc.	BUY	5.99	Ordinary	802	802
17-Aug-2020	The Vanguard Group, Inc.	BUY	5.99	Ordinary	6,606	6,606
17-Aug-2020	The Vanguard Group, Inc.	BUY	5.99	Ordinary	8,808	8,808
18-Aug-2020	The Vanguard Group, Inc.	SELL	6.03	Ordinary	(18,224)	(18,224)
18-Aug-2020	The Vanguard Group, Inc.	BUY	6.03	Ordinary	18,224	18,224
20-Aug-2020	The Vanguard Group, Inc.	BUY	6.07	Ordinary	802	802
27-Aug-2020	The Vanguard Group, Inc.	BUY	6.06	Ordinary	3,670	3,670
1-Sep-2020	The Vanguard Group, Inc.	SELL	6.06	Ordinary	(182,141)	(182,141)
1-Sep-2020	The Vanguard Group, Inc.	BUY	6.06	Ordinary	182,141	182,141
2-Sep-2020	The Vanguard Group, Inc.	BUY	6.15	Ordinary	1,203	1,203
2-Sep-2020	The Vanguard Group, Inc.	BUY	6.12	Ordinary	6,314	6,314
4-Sep-2020	The Vanguard Group, Inc.	BUY	6.10	Ordinary	223	223
16-Sep-2020	The Vanguard Group, Inc.	BUY	6.03	Ordinary	802	802
18-Sep-2020	The Vanguard Group, Inc.	SELL	6.00	Ordinary	(1,977)	(1,977)
25-Sep-2020	The Vanguard Group, Inc.	BUY	6.27	Ordinary	1,203	1,203
28-Sep-2020	The Vanguard Group, Inc.	BUY	6.35	Ordinary	7,931	7,931
29-Sep-2020	The Vanguard Group, Inc.	SELL	5.87	Ordinary	(195,154)	(195,154)
29-Sep-2020	The Vanguard Group, Inc.	BUY	5.87	Ordinary	195,154	195,154
30-Sep-2020	The Vanguard Group, Inc.	BUY	5.73	Ordinary	316	316
30-Sep-2020	The Vanguard Group, Inc.	BUY	5.73	Ordinary	4,967	4,967
2-Oct-2020	The Vanguard Group, Inc.	BUY	5.64	Ordinary	4,632	4,632
5-Oct-2020	The Vanguard Group, Inc.	BUY	5.94	Ordinary	802	802
5-Oct-2020	The Vanguard Group, Inc.	BUY	5.91	Ordinary	1,710	1,710
6-Oct-2020	The Vanguard Group, Inc.	BUY	5.98	Ordinary	1,203	1,203
7-Oct-2020	The Vanguard Group, Inc.	BUY	6.14	Ordinary	3,871	3,871
7-Oct-2020	The Vanguard Group, Inc.	SELL	6.14	Ordinary	(6,280)	(6,280)
9-Oct-2020	The Vanguard Group, Inc.	BUY	6.31	Ordinary	802	802
9-Oct-2020	The Vanguard Group, Inc.	BUY	6.31	Ordinary	1,203	1,203
9-Oct-2020	The Vanguard Group, Inc.	BUY	6.31	Ordinary	10,036	10,036
9-Oct-2020	The Vanguard Group, Inc.	BUY	6.31	Ordinary	3,860	3,860
21-Oct-2020	The Vanguard Group, Inc.	BUY	6.74	Ordinary	229	229
22-Oct-2020	The Vanguard Group, Inc.	BUY	6.64	Ordinary	306	306
27-Oct-2020	The Vanguard Group, Inc.	BUY	6.51	Ordinary	1,714	1,714
5-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.43	Ordinary	3,724	3,724
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.49	Ordinary	2,214	2,214
9-Jul-2018	Vanguard Investments Australia Ltd.	SELL	10.60	Ordinary	(5,431)	(5,431)
10-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.52	Ordinary	3,109	3,109
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.70	Ordinary	1,476	1,476
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.70	Ordinary	11,785	11,785
18-Jul-2018	Vanguard Investments Australia Ltd.	SELL	10.75	Ordinary	(5,068)	(5,068)
19-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.84	Ordinary	11,533	11,533
20-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.83	Ordinary	2,706	2,706
2-Aug-2018	Vanguard Investments Australia Ltd.	BUY	10.90	Ordinary	2,340	2,340
7-Aug-2018	Vanguard Investments Australia Ltd.	BUY	10.93	Ordinary	16,833	16,833
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	11.13	Ordinary	1,560	1,560
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	11.13	Ordinary	11,461	11,461
20-Aug-2018	Vanguard Investments Australia Ltd.	SELL	11.14	Ordinary	(1,945)	(1,945)
21-Aug-2018	Vanguard Investments Australia Ltd.	BUY	11.09	Ordinary	2,740	2,740
27-Aug-2018	Vanguard Investments Australia Ltd.	BUY	11.18	Ordinary	3,638	3,638
29-Aug-2018	Vanguard Investments Australia Ltd.	BUY	11.52	Ordinary	8,930	8,930
3-Sep-2018	Vanguard Investments Australia Ltd.	SELL	11.43	Ordinary	(13,131)	(13,131)
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	11.42	Ordinary	2,849	2,849
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	11.42	Ordinary	35,087	35,087
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	11.29	Ordinary	2,590	2,590
11-Sep-2018	Vanguard Investments Australia Ltd.	SELL	11.50	Ordinary	(3,033)	(3,033)
17-Sep-2018	Vanguard Investments Australia Ltd.	BUY	11.44	Ordinary	2,695	2,695
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	11.08	Ordinary	3,025	3,025
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	11.07	Ordinary	1,170	1,170
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	11.08	Ordinary	22,318	22,318
26-Sep-2018	Vanguard Investments Australia Ltd.	BUY	10.89	Ordinary	1,590	1,590
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	10.93	Ordinary	20,405	20,405
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	11.02	Ordinary	(17,820)	(17,820)
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.87	Ordinary	1,945	1,945

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1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.87	Ordinary	2,349	2,349
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.64	Ordinary	2,223	2,223
9-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.52	Ordinary	1,167	1,167
10-Oct-2018	Vanguard Investments Australia Ltd.	SELL	10.56	Ordinary	(4,757)	(4,757)
11-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.38	Ordinary	3,144	3,144
12-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.42	Ordinary	1,167	1,167
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.46	Ordinary	1,167	1,167
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.46	Ordinary	4,947	4,947
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.46	Ordinary	12,020	12,020
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.54	Ordinary	1,167	1,167
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	10.54	Ordinary	1,556	1,556
24-Oct-2018	Vanguard Investments Australia Ltd.	BUY	9.96	Ordinary	3,492	3,492
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	9.43	Ordinary	1,556	1,556
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	9.43	Ordinary	4,074	4,074
26-Oct-2018	Vanguard Investments Australia Ltd.	BUY	9.43	Ordinary	60,557	60,557
29-Oct-2018	Vanguard Investments Australia Ltd.	BUY	9.58	Ordinary	1,556	1,556
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	9.65	Ordinary	4,400	4,400
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	9.65	Ordinary	825	825
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	9.57	Ordinary	550	550
2-Nov-2018	Vanguard Investments Australia Ltd.	BUY	9.55	Ordinary	3,575	3,575
12-Nov-2018	Vanguard Investments Australia Ltd.	BUY	9.94	Ordinary	3,575	3,575
19-Nov-2018	Vanguard Investments Australia Ltd.	SELL	9.72	Ordinary	(19,402)	(19,402)
21-Nov-2018	Vanguard Investments Australia Ltd.	BUY	9.71	Ordinary	21,272	21,272
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	9.73	Ordinary	1,173	1,173
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	9.73	Ordinary	1,173	1,173
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	9.73	Ordinary	4,060	4,060
23-Nov-2018	Vanguard Investments Australia Ltd.	BUY	9.83	Ordinary	13,029	13,029
29-Nov-2018	Vanguard Investments Australia Ltd.	BUY	10.12	Ordinary	3,025	3,025
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	3,575	3,575
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	12,414	12,414
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.90	Ordinary	21,973	21,973
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.90	Ordinary	47,629	47,629
6-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.77	Ordinary	1,176	1,176
10-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.43	Ordinary	1,572	1,572
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.56	Ordinary	1,179	1,179
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.56	Ordinary	5,520	5,520
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.56	Ordinary	3,312	3,312
12-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.64	Ordinary	282,749	282,749
14-Dec-2018	Vanguard Investments Australia Ltd.	SELL	9.56	Ordinary	(1,656)	(1,656)
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.45	Ordinary	1,572	1,572
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.19	Ordinary	19,855	19,855
21-Dec-2018	Vanguard Investments Australia Ltd.	SELL	9.20	Ordinary	(4,771)	(4,771)
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.19	Ordinary	39,985	39,985
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.20	Ordinary	1,179	1,179
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.21	Ordinary	65,047	65,047
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.19	Ordinary	36,173	36,173
27-Dec-2018	Vanguard Investments Australia Ltd.	BUY	9.49	Ordinary	1,644	1,644
3-Jan-2019	Vanguard Investments Australia Ltd.	BUY	9.65	Ordinary	7,894	7,894
4-Jan-2019	Vanguard Investments Australia Ltd.	BUY	9.55	Ordinary	3,212	3,212
8-Jan-2019	Vanguard Investments Australia Ltd.	BUY	9.97	Ordinary	2,550	2,550
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	10.26	Ordinary	3,144	3,144
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	10.27	Ordinary	12,648	12,648
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	10.34	Ordinary	18,409	18,409
21-Jan-2019	Vanguard Investments Australia Ltd.	BUY	10.46	Ordinary	1,263	1,263
22-Jan-2019	Vanguard Investments Australia Ltd.	SELL	10.29	Ordinary	(1,240)	(1,240)
24-Jan-2019	Vanguard Investments Australia Ltd.	SELL	10.15	Ordinary	(14,366)	(14,366)
29-Jan-2019	Vanguard Investments Australia Ltd.	SELL	10.24	Ordinary	(13,889)	(13,889)
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	10.25	Ordinary	1,088	1,088
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	10.24	Ordinary	12,924	12,924
4-Feb-2019	Vanguard Investments Australia Ltd.	BUY	10.27	Ordinary	15,109	15,109
5-Feb-2019	Vanguard Investments Australia Ltd.	SELL	10.47	Ordinary	(20,020)	(20,020)
15-Feb-2019	Vanguard Investments Australia Ltd.	SELL	9.95	Ordinary	(2,301)	(2,301)
19-Feb-2019	Vanguard Investments Australia Ltd.	BUY	9.02	Ordinary	3,311	3,311
25-Feb-2019	Vanguard Investments Australia Ltd.	BUY	8.91	Ordinary	13,602	13,602
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	8.81	Ordinary	3,340	3,340
5-Mar-2019	Vanguard Investments Australia Ltd.	BUY	9.14	Ordinary	21,376	21,376
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	9.22	Ordinary	12,094	12,094
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	9.22	Ordinary	17,787	17,787
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	9.22	Ordinary	15,337	15,337
21-Mar-2019	Vanguard Investments Australia Ltd.	BUY	9.14	Ordinary	15,202	15,202
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	9.32	Ordinary	(16,239)	(16,239)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	9.32	Ordinary	15,548	15,548

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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-Apr-2019	Vanguard Investments Australia Ltd.	BUY	9.45	Ordinary	18,793	18,793
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	9.45	Ordinary	13,189	13,189
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	9.39	Ordinary	2,130	2,130
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	9.39	Ordinary	2,240	2,240
3-Apr-2019	Vanguard Investments Australia Ltd.	SELL	9.44	Ordinary	(2,381)	(2,381)
3-Apr-2019	Vanguard Investments Australia Ltd.	SELL	9.44	Ordinary	(11,159)	(11,159)
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	9.43	Ordinary	2,560	2,560
9-Apr-2019	Vanguard Investments Australia Ltd.	BUY	9.43	Ordinary	117,445	117,445
16-Apr-2019	Vanguard Investments Australia Ltd.	BUY	8.95	Ordinary	17,765	17,765
30-Apr-2019	Vanguard Investments Australia Ltd.	BUY	9.27	Ordinary	4,152	4,152
1-May-2019	Vanguard Investments Australia Ltd.	BUY	8.98	Ordinary	1,905	1,905
1-May-2019	Vanguard Investments Australia Ltd.	BUY	8.98	Ordinary	14,532	14,532
1-May-2019	Vanguard Investments Australia Ltd.	BUY	8.98	Ordinary	1,901	1,901
1-May-2019	Vanguard Investments Australia Ltd.	BUY	8.98	Ordinary	14,492	14,492
7-May-2019	Vanguard Investments Australia Ltd.	SELL	8.83	Ordinary	(2,468)	(2,468)
10-May-2019	Vanguard Investments Australia Ltd.	BUY	8.94	Ordinary	3,114	3,114
15-May-2019	Vanguard Investments Australia Ltd.	SELL	8.91	Ordinary	(13,744)	(13,744)
16-May-2019	Vanguard Investments Australia Ltd.	BUY	8.91	Ordinary	16,361	16,361
17-May-2019	Vanguard Investments Australia Ltd.	BUY	8.79	Ordinary	3,550	3,550
21-May-2019	Vanguard Investments Australia Ltd.	BUY	9.19	Ordinary	3,550	3,550
27-May-2019	Vanguard Investments Australia Ltd.	SELL	9.07	Ordinary	(7,807)	(7,807)
28-May-2019	Vanguard Investments Australia Ltd.	BUY	9.24	Ordinary	4,100	4,100
29-May-2019	Vanguard Investments Australia Ltd.	SELL	9.28	Ordinary	(12,423)	(12,423)
30-May-2019	Vanguard Investments Australia Ltd.	BUY	9.37	Ordinary	26,305	26,305
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	9.21	Ordinary	(11,294)	(11,294)
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	9.21	Ordinary	(3,332)	(3,332)
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.26	Ordinary	31,565	31,565
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.26	Ordinary	4,100	4,100
5-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.35	Ordinary	890	890
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.44	Ordinary	890	890
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.44	Ordinary	4,920	4,920
11-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.57	Ordinary	1,335	1,335
12-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.48	Ordinary	21,911	21,911
13-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.55	Ordinary	890	890
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.53	Ordinary	3,416	3,416
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.53	Ordinary	1,201	1,201
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.53	Ordinary	14,785	14,785
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.53	Ordinary	1,332	1,332
21-Jun-2019	Vanguard Investments Australia Ltd.	SELL	9.53	Ordinary	(19,118)	(19,118)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.53	Ordinary	2,562	2,562
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.53	Ordinary	1,853	1,853
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.53	Ordinary	22,798	22,798
26-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.49	Ordinary	1,302	1,302
27-Jun-2019	Vanguard Investments Australia Ltd.	SELL	9.51	Ordinary	(4,154)	(4,154)
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.51	Ordinary	1,740	1,740
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	9.51	Ordinary	2,989	2,989
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.45	Ordinary	1,290	1,290
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.45	Ordinary	5,064	5,064
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.44	Ordinary	2,580	2,580
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.44	Ordinary	2,532	2,532
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.35	Ordinary	2,532	2,532
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.33	Ordinary	2,538	2,538
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.29	Ordinary	1,290	1,290
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.25	Ordinary	10,650	10,650
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.24	Ordinary	5,112	5,112
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.24	Ordinary	17,113	17,113
17-Jul-2019	Vanguard Investments Australia Ltd.	SELL	9.21	Ordinary	(10,823)	(10,823)
18-Jul-2019	Vanguard Investments Australia Ltd.	SELL	9.07	Ordinary	(3,104)	(3,104)
22-Jul-2019	Vanguard Investments Australia Ltd.	SELL	9.14	Ordinary	(247,941)	(247,941)
22-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.14	Ordinary	1,290	1,290
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.32	Ordinary	4,774	4,774
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	9.33	Ordinary	1,290	1,290
6-Aug-2019	Vanguard Investments Australia Ltd.	SELL	8.84	Ordinary	(18,877)	(18,877)
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	8.84	Ordinary	1,720	1,720
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	8.84	Ordinary	3,924	3,924
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	8.84	Ordinary	3,924	3,924
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	8.93	Ordinary	3,010	3,010
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	9.03	Ordinary	4,785	4,785
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	9.09	Ordinary	4,763	4,763
13-Aug-2019	Vanguard Investments Australia Ltd.	SELL	9.04	Ordinary	(7,582)	(7,582)
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	9.08	Ordinary	1,724	1,724
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	9.08	Ordinary	24,730	24,730

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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-2019	Vanguard Investments Australia Ltd.	BUY	8.85	Ordinary	1,724	1,724
21-Aug-2019	Vanguard Investments Australia Ltd.	BUY	8.98	Ordinary	1,293	1,293
21-Aug-2019	Vanguard Investments Australia Ltd.	BUY	8.98	Ordinary	17,759	17,759
28-Aug-2019	Vanguard Investments Australia Ltd.	BUY	9.00	Ordinary	12,136	12,136
29-Aug-2019	Vanguard Investments Australia Ltd.	BUY	9.10	Ordinary	1,299	1,299
30-Aug-2019	Vanguard Investments Australia Ltd.	BUY	9.17	Ordinary	17,696	17,696
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.05	Ordinary	9,394	9,394
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.07	Ordinary	44,002	44,002
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	8.99	Ordinary	1,736	1,736
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.09	Ordinary	1,744	1,744
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.09	Ordinary	17,887	17,887
9-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.21	Ordinary	1,744	1,744
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.47	Ordinary	11,467	11,467
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.84	Ordinary	4,541	4,541
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.74	Ordinary	8,018	8,018
19-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.70	Ordinary	1,308	1,308
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.72	Ordinary	4,240	4,240
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.78	Ordinary	6,480	6,480
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.82	Ordinary	6,132	6,132
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.92	Ordinary	3,045	3,045
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.92	Ordinary	1,740	1,740
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	9.92	Ordinary	5,268	5,268
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.77	Ordinary	13,802	13,802
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.77	Ordinary	9,028	9,028
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.75	Ordinary	8,265	8,265
2-Oct-2019	Vanguard Investments Australia Ltd.	SELL	9.75	Ordinary	(10,440)	(10,440)
3-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.58	Ordinary	16,493	16,493
3-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.56	Ordinary	2,568	2,568
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.55	Ordinary	10,460	10,460
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.55	Ordinary	7,412	7,412
7-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.65	Ordinary	27,184	27,184
9-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.57	Ordinary	2,140	2,140
10-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.59	Ordinary	26,201	26,201
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.63	Ordinary	3,456	3,456
14-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.70	Ordinary	53,248	53,248
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.65	Ordinary	63,102	63,102
17-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.42	Ordinary	1,712	1,712
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.15	Ordinary	1,284	1,284
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.15	Ordinary	4,340	4,340
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.16	Ordinary	4,310	4,310
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.16	Ordinary	31,182	31,182
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.09	Ordinary	4,450	4,450
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.02	Ordinary	12,761	12,761
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.02	Ordinary	1,284	1,284
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.02	Ordinary	1,712	1,712
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	9.05	Ordinary	10,824	10,824
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	9.05	Ordinary	(5,412)	(5,412)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.98	Ordinary	(43,869)	(43,869)
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.98	Ordinary	1,712	1,712
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.98	Ordinary	1,284	1,284
4-Nov-2019	Vanguard Investments Australia Ltd.	SELL	9.09	Ordinary	(64,539)	(64,539)
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	9.18	Ordinary	(14,761)	(14,761)
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	9.18	Ordinary	1,712	1,712
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	9.18	Ordinary	5,520	5,520
7-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.68	Ordinary	1,708	1,708
12-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.70	Ordinary	(2,828)	(2,828)
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.70	Ordinary	1,287	1,287
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.70	Ordinary	5,016	5,016
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.64	Ordinary	1,368	1,368
15-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.62	Ordinary	1,720	1,720
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.63	Ordinary	5,954	5,954
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.57	Ordinary	3,220	3,220
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.55	Ordinary	1,720	1,720
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.55	Ordinary	9,660	9,660
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.64	Ordinary	1,290	1,290
28-Nov-2019	Vanguard Investments Australia Ltd.	SELL	7.96	Ordinary	(5,453)	(5,453)
28-Nov-2019	Vanguard Investments Australia Ltd.	BUY	7.98	Ordinary	29,884	29,884
28-Nov-2019	Vanguard Investments Australia Ltd.	BUY	7.98	Ordinary	1,290	1,290
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	7.83	Ordinary	5,304	5,304
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.73	Ordinary	21,026	21,026
3-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.53	Ordinary	2,580	2,580
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	24,692	24,692

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	90,406	90,406
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	14,405	14,405
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	10,062	10,062
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	22,691	22,691
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	124,302	124,302
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	3,349	3,349
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	57,105	57,105
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	131,689	131,689
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	515,000	515,000
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.42	Ordinary	2,150	2,150
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.42	Ordinary	10,450	10,450
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	298,120	298,120
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.40	Ordinary	128,359	128,359
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.45	Ordinary	1,720	1,720
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.45	Ordinary	5,832	5,832
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.27	Ordinary	10,363	10,363
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.36	Ordinary	1,720	1,720
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.36	Ordinary	5,070	5,070
16-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.47	Ordinary	5,430	5,430
17-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.51	Ordinary	888	888
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.36	Ordinary	7,140	7,140
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	1,720	1,720
27-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.40	Ordinary	3,614	3,614
27-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.40	Ordinary	1,311	1,311
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	30,115	30,115
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.38	Ordinary	4,088	4,088
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.36	Ordinary	12,417	12,417
31-Dec-2019	Vanguard Investments Australia Ltd.	SELL	7.25	Ordinary	(7,236)	(7,236)
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	7.25	Ordinary	2,555	2,555
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.28	Ordinary	1,732	1,732
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.28	Ordinary	6,048	6,048
3-Jan-2020	Vanguard Investments Australia Ltd.	SELL	7.29	Ordinary	(29,434)	(29,434)
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	3,018	3,018
8-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.26	Ordinary	7,590	7,590
9-Jan-2020	Vanguard Investments Australia Ltd.	SELL	7.31	Ordinary	(4,056)	(4,056)
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.32	Ordinary	5,328	5,328
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.32	Ordinary	7,635	7,635
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.33	Ordinary	5,328	5,328
15-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.32	Ordinary	14,012	14,012
17-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.39	Ordinary	1,299	1,299
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.33	Ordinary	7,665	7,665
23-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.33	Ordinary	1,299	1,299
29-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.48	Ordinary	1,732	1,732
30-Jan-2020	Vanguard Investments Australia Ltd.	BUY	7.58	Ordinary	7,785	7,785
7-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	5,210	5,210
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.57	Ordinary	10,560	10,560
13-Feb-2020	Vanguard Investments Australia Ltd.	SELL	7.57	Ordinary	(2,165)	(2,165)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	7.59	Ordinary	(15,669)	(15,669)
26-Feb-2020	Vanguard Investments Australia Ltd.	SELL	7.36	Ordinary	(5,261)	(5,261)
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.31	Ordinary	9,264	9,264
27-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.63	Ordinary	24,670	24,670
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.49	Ordinary	17,012	17,012
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.49	Ordinary	37,890	37,890
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.49	Ordinary	8,835	8,835
2-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.34	Ordinary	5,751	5,751
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.26	Ordinary	1,311	1,311
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.26	Ordinary	14,769	14,769
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.12	Ordinary	1,748	1,748
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.12	Ordinary	9,333	9,333
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	7,561	7,561
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	1,756	1,756
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	14,045	14,045
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.32	Ordinary	2,195	2,195
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.32	Ordinary	2,634	2,634
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.32	Ordinary	19,145	19,145
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.32	Ordinary	16,970	16,970
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.66	Ordinary	21,181	21,181
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.29	Ordinary	3,951	3,951
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.29	Ordinary	2,634	2,634
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.29	Ordinary	11,100	11,100
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.29	Ordinary	13,875	13,875
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.91	Ordinary	1,756	1,756

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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-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.91	Ordinary	9,384	9,384
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.91	Ordinary	16,560	16,560
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.91	Ordinary	42,935	42,935
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	6.01	Ordinary	(8,212)	(8,212)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.01	Ordinary	3,512	3,512
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.01	Ordinary	16,680	16,680
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.01	Ordinary	26,046	26,046
16-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.23	Ordinary	19,460	19,460
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.48	Ordinary	3,512	3,512
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.48	Ordinary	2,634	2,634
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.48	Ordinary	13,900	13,900
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	5.44	Ordinary	(15,411)	(15,411)
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.44	Ordinary	16,920	16,920
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.44	Ordinary	17,305	17,305
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.48	Ordinary	1,320	1,320
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.48	Ordinary	12,512	12,512
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.56	Ordinary	116,135	116,135
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.56	Ordinary	17,050	17,050
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.85	Ordinary	7,252	7,252
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.94	Ordinary	7,890	7,890
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.90	Ordinary	24,145	24,145
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.90	Ordinary	5,259	5,259
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.78	Ordinary	13,050	13,050
27-Mar-2020	Vanguard Investments Australia Ltd.	SELL	4.78	Ordinary	(14,094)	(14,094)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.00	Ordinary	55,366	55,366
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	5.00	Ordinary	(41,932)	(41,932)
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	5.00	Ordinary	(19,802)	(19,802)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.00	Ordinary	10,440	10,440
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	5.08	Ordinary	6,565	6,565
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.99	Ordinary	1,952	1,952
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.99	Ordinary	7,605	7,605
3-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.89	Ordinary	3,224	3,224
7-Apr-2020	Vanguard Investments Australia Ltd.	SELL	5.14	Ordinary	(6,315)	(6,315)
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	5.14	Ordinary	1,952	1,952
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	5.14	Ordinary	17,465	17,465
8-Apr-2020	Vanguard Investments Australia Ltd.	BUY	5.03	Ordinary	19,458	19,458
9-Apr-2020	Vanguard Investments Australia Ltd.	SELL	4.98	Ordinary	(22,210)	(22,210)
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.98	Ordinary	1,952	1,952
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.98	Ordinary	16,932	16,932
14-Apr-2020	Vanguard Investments Australia Ltd.	SELL	5.18	Ordinary	(23,733)	(23,733)
15-Apr-2020	Vanguard Investments Australia Ltd.	BUY	5.08	Ordinary	9,900	9,900
20-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.89	Ordinary	1,461	1,461
20-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.89	Ordinary	1,948	1,948
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.76	Ordinary	9,900	9,900
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.76	Ordinary	8,415	8,415
22-Apr-2020	Vanguard Investments Australia Ltd.	SELL	4.70	Ordinary	(46,671)	(46,671)
22-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	1,948	1,948
23-Apr-2020	Vanguard Investments Australia Ltd.	SELL	4.69	Ordinary	(49,596)	(49,596)
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	1,948	1,948
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	12,793	12,793
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.69	Ordinary	7,485	7,485
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.66	Ordinary	1,948	1,948
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.66	Ordinary	9,054	9,054
29-Apr-2020	Vanguard Investments Australia Ltd.	BUY	4.75	Ordinary	5,700	5,700
30-Apr-2020	Vanguard Investments Australia Ltd.	BUY	5.21	Ordinary	7,600	7,600
30-Apr-2020	Vanguard Investments Australia Ltd.	SELL	5.21	Ordinary	(8,093)	(8,093)
1-May-2020	Vanguard Investments Australia Ltd.	BUY	4.84	Ordinary	7,605	7,605
1-May-2020	Vanguard Investments Australia Ltd.	BUY	4.84	Ordinary	10,140	10,140
4-May-2020	Vanguard Investments Australia Ltd.	BUY	4.78	Ordinary	1,944	1,944
4-May-2020	Vanguard Investments Australia Ltd.	BUY	4.78	Ordinary	13,972	13,972
6-May-2020	Vanguard Investments Australia Ltd.	BUY	4.75	Ordinary	1,944	1,944
8-May-2020	Vanguard Investments Australia Ltd.	BUY	4.83	Ordinary	505	505
12-May-2020	Vanguard Investments Australia Ltd.	BUY	4.71	Ordinary	1,944	1,944
12-May-2020	Vanguard Investments Australia Ltd.	BUY	4.71	Ordinary	7,028	7,028
13-May-2020	Vanguard Investments Australia Ltd.	BUY	4.63	Ordinary	7,530	7,530
19-May-2020	Vanguard Investments Australia Ltd.	BUY	4.88	Ordinary	10,080	10,080
20-May-2020	Vanguard Investments Australia Ltd.	BUY	4.87	Ordinary	5,658	5,658
20-May-2020	Vanguard Investments Australia Ltd.	BUY	4.87	Ordinary	8,208	8,208
22-May-2020	Vanguard Investments Australia Ltd.	BUY	4.77	Ordinary	7,305	7,305
22-May-2020	Vanguard Investments Australia Ltd.	BUY	4.77	Ordinary	6,060	6,060
25-May-2020	Vanguard Investments Australia Ltd.	BUY	4.77	Ordinary	1,948	1,948
25-May-2020	Vanguard Investments Australia Ltd.	BUY	4.77	Ordinary	5,050	5,050

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
26-May-2020	Vanguard Investments Australia Ltd.	BUY	5.05	Ordinary	48,512	48,512
26-May-2020	Vanguard Investments Australia Ltd.	BUY	5.05	Ordinary	7,575	7,575
27-May-2020	Vanguard Investments Australia Ltd.	BUY	5.43	Ordinary	47,240	47,240
29-May-2020	Vanguard Investments Australia Ltd.	BUY	5.30	Ordinary	7,485	7,485
1-Jun-2020	Vanguard Investments Australia Ltd.	BUY	5.32	Ordinary	22,881	22,881
3-Jun-2020	Vanguard Investments Australia Ltd.	BUY	5.56	Ordinary	1,944	1,944
5-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.21	Ordinary	7,395	7,395
5-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.21	Ordinary	5,916	5,916
9-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.76	Ordinary	1,944	1,944
10-Jun-2020	Vanguard Investments Australia Ltd.	SELL	6.79	Ordinary	(30,352)	(30,352)
11-Jun-2020	Vanguard Investments Australia Ltd.	SELL	6.46	Ordinary	(803)	(803)
11-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.46	Ordinary	7,380	7,380
15-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	9,440	9,440
16-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.34	Ordinary	4,710	4,710
16-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.34	Ordinary	1,497	1,497
17-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.34	Ordinary	7,080	7,080
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.27	Ordinary	60,198	60,198
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.27	Ordinary	5,521	5,521
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.27	Ordinary	18,101	18,101
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.27	Ordinary	830	830
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.27	Ordinary	23,068	23,068
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.27	Ordinary	24,566	24,566
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.27	Ordinary	948	948
23-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.36	Ordinary	50,208	50,208
23-Jun-2020	Vanguard Investments Australia Ltd.	SELL	6.37	Ordinary	(8,279)	(8,279)
25-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.24	Ordinary	4,096	4,096
25-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.24	Ordinary	11,293	11,293
29-Jun-2020	Vanguard Investments Australia Ltd.	BUY	6.17	Ordinary	7,825	7,825
30-Jun-2020	Vanguard Investments Australia Ltd.	SELL	6.17	Ordinary	(25,958)	(25,958)
8-Jul-2020	Vanguard Investments Australia Ltd.	SELL	6.17	Ordinary	(290,671)	(290,671)
10-Jul-2020	Vanguard Investments Australia Ltd.	BUY	6.11	Ordinary	13,821	13,821
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	6.24	Ordinary	(2,550)	(2,550)
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	6.24	Ordinary	(4,662)	(4,662)
24-Jul-2020	Vanguard Investments Australia Ltd.	BUY	6.19	Ordinary	117,380	117,380
30-Jul-2020	Vanguard Investments Australia Ltd.	BUY	6.15	Ordinary	6,695	6,695
31-Jul-2020	Vanguard Investments Australia Ltd.	BUY	5.95	Ordinary	30,104	30,104
5-Aug-2020	Vanguard Investments Australia Ltd.	BUY	5.78	Ordinary	7,905	7,905
7-Aug-2020	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	10,640	10,640
12-Aug-2020	Vanguard Investments Australia Ltd.	SELL	6.23	Ordinary	(1,629)	(1,629)
12-Aug-2020	Vanguard Investments Australia Ltd.	BUY	6.23	Ordinary	6,412	6,412
13-Aug-2020	Vanguard Investments Australia Ltd.	BUY	6.17	Ordinary	153,334	153,334
21-Aug-2020	Vanguard Investments Australia Ltd.	BUY	5.94	Ordinary	7,420	7,420
25-Aug-2020	Vanguard Investments Australia Ltd.	BUY	6.20	Ordinary	7,905	7,905
26-Aug-2020	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	1,006	1,006
31-Aug-2020	Vanguard Investments Australia Ltd.	SELL	6.13	Ordinary	(8,830)	(8,830)
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.04	Ordinary	236,990	236,990
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.04	Ordinary	2,056	2,056
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.04	Ordinary	8,416	8,416
4-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.05	Ordinary	1,988	1,988
7-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	6,825	6,825
9-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	9,378	9,378
15-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.00	Ordinary	2,060	2,060
16-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.06	Ordinary	2,635	2,635
17-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.08	Ordinary	2,060	2,060
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	5.99	Ordinary	2,665	2,665
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	5.99	Ordinary	4,264	4,264
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	5.92	Ordinary	1,584	1,584
24-Sep-2020	Vanguard Investments Australia Ltd.	SELL	6.04	Ordinary	(7,388)	(7,388)
24-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.04	Ordinary	2,330	2,330
25-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.21	Ordinary	5,440	5,440
28-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.35	Ordinary	5,541	5,541
28-Sep-2020	Vanguard Investments Australia Ltd.	BUY	6.35	Ordinary	2,056	2,056
29-Sep-2020	Vanguard Investments Australia Ltd.	BUY	5.89	Ordinary	1,605	1,605
30-Sep-2020	Vanguard Investments Australia Ltd.	SELL	5.73	Ordinary	(16,978)	(16,978)
30-Sep-2020	Vanguard Investments Australia Ltd.	BUY	5.73	Ordinary	5,330	5,330
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	5.72	Ordinary	17,361	17,361
5-Oct-2020	Vanguard Investments Australia Ltd.	BUY	5.91	Ordinary	8,025	8,025
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.02	Ordinary	9,238	9,238
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.02	Ordinary	45,919	45,919
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.02	Ordinary	55,062	55,062
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.04	Ordinary	5,360	5,360
7-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.14	Ordinary	5,544	5,544

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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-2020	Vanguard Investments Australia Ltd.	BUY	6.29	Ordinary	2,032	2,032
12-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.30	Ordinary	608	608
13-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.40	Ordinary	5,330	5,330
19-Oct-2020	Vanguard Investments Australia Ltd.	SELL	6.89	Ordinary	(26,874)	(26,874)
20-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.74	Ordinary	2,032	2,032
20-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.74	Ordinary	28,842	28,842
23-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.71	Ordinary	5,060	5,060
27-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.51	Ordinary	42,213	42,213
27-Oct-2020	Vanguard Investments Australia Ltd.	BUY	6.51	Ordinary	7,396	7,396

This is Annexure A of 15 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature:  _____

Name: Shawn Acker _____

Capacity: Compliance Manager _____

Date: 30 October 2020 _____