

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

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

To Company Name/Scheme Origin Energy Limited  
ACN/ARSN 000 051 696

**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 March 2020

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

The previous notice was dated 22 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)
Ordinary	88,086,472	5.008%	106,043,062	6.021%

**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.	Ordinary – 4,649,702	4,649,702
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.	Ordinary – 5,115,071	5,115,071
Vanguard Group	<b>Citibank</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.	Ordinary – 42,472	42,472
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.	Ordinary – 50,749,503	50,749,503
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.	Ordinary – 17,152,084	17,152,084
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.	Ordinary – 28,334,230	28,334,230

**5. Changes in association**

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

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

**6. Addresses**

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

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

**Signature**

print name Shawn Acker capacity Compliance Manager

sign here  date 1 April 2020

#### DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 6 of the form.
  - (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
  - (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
  - (4) The voting shares of a company constitute one class unless divided into separate classes.
  - (5) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
  - (6) Include details of:
    - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
    - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).
- See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (7) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
  - (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
  - (9) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

To Company	Origin Energy Limited
ACN/ARSN	000 051 696
Substantial Holder Name	Vanguard Group
ACN/ARSN	N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
21-Jun-2018	The Vanguard Group, Inc.	SELL	9.89	Ordinary	(1,380)	(1,380)
26-Jun-2018	The Vanguard Group, Inc.	BUY	9.87	Ordinary	104,867	104,867
27-Jun-2018	The Vanguard Group, Inc.	SELL	9.98	Ordinary	(1,358)	(1,358)
27-Jun-2018	The Vanguard Group, Inc.	BUY	9.91	Ordinary	8,604	8,604
29-Jun-2018	The Vanguard Group, Inc.	BUY	10.03	Ordinary	131,678	131,678
3-Jul-2018	The Vanguard Group, Inc.	BUY	9.86	Ordinary	3,505	3,505
3-Jul-2018	The Vanguard Group, Inc.	BUY	9.86	Ordinary	6,453	6,453
4-Jul-2018	The Vanguard Group, Inc.	BUY	9.88	Ordinary	12,497	12,497
4-Jul-2018	The Vanguard Group, Inc.	BUY	9.90	Ordinary	111,331	111,331
5-Jul-2018	The Vanguard Group, Inc.	BUY	9.89	Ordinary	938	938
5-Jul-2018	The Vanguard Group, Inc.	BUY	9.88	Ordinary	183,083	183,083
6-Jul-2018	The Vanguard Group, Inc.	BUY	10.15	Ordinary	10,184	10,184
6-Jul-2018	The Vanguard Group, Inc.	BUY	10.20	Ordinary	8,412	8,412
6-Jul-2018	The Vanguard Group, Inc.	BUY	9.96	Ordinary	11,703	11,703
11-Jul-2018	The Vanguard Group, Inc.	BUY	9.98	Ordinary	2,232	2,232
12-Jul-2018	The Vanguard Group, Inc.	SELL	9.43	Ordinary	(28,170)	(28,170)
12-Jul-2018	The Vanguard Group, Inc.	SELL	9.46	Ordinary	(8,436)	(8,436)
12-Jul-2018	The Vanguard Group, Inc.	SELL	9.65	Ordinary	(895)	(895)
12-Jul-2018	The Vanguard Group, Inc.	SELL	9.65	Ordinary	(3,318)	(3,318)
13-Jul-2018	The Vanguard Group, Inc.	BUY	9.72	Ordinary	240	240
18-Jul-2018	The Vanguard Group, Inc.	SELL	9.35	Ordinary	(11,714)	(11,714)
19-Jul-2018	The Vanguard Group, Inc.	BUY	9.32	Ordinary	963	963
20-Jul-2018	The Vanguard Group, Inc.	BUY	9.45	Ordinary	11,344	11,344
20-Jul-2018	The Vanguard Group, Inc.	BUY	9.44	Ordinary	7,010	7,010
23-Jul-2018	The Vanguard Group, Inc.	SELL	9.46	Ordinary	(5,268)	(5,268)
24-Jul-2018	The Vanguard Group, Inc.	BUY	9.39	Ordinary	963	963
24-Jul-2018	The Vanguard Group, Inc.	SELL	9.43	Ordinary	(765)	(765)
25-Jul-2018	The Vanguard Group, Inc.	SELL	9.53	Ordinary	(1,292)	(1,292)
25-Jul-2018	The Vanguard Group, Inc.	SELL	9.58	Ordinary	(26,340)	(26,340)
25-Jul-2018	The Vanguard Group, Inc.	SELL	9.58	Ordinary	(5,268)	(5,268)
25-Jul-2018	The Vanguard Group, Inc.	SELL	9.58	Ordinary	(3,512)	(3,512)
27-Jul-2018	The Vanguard Group, Inc.	SELL	9.59	Ordinary	(9,396)	(9,396)
30-Jul-2018	The Vanguard Group, Inc.	SELL	9.67	Ordinary	(8,547)	(8,547)
31-Jul-2018	The Vanguard Group, Inc.	SELL	9.77	Ordinary	(10,755)	(10,755)
1-Aug-2018	The Vanguard Group, Inc.	BUY	9.69	Ordinary	106,938	106,938
1-Aug-2018	The Vanguard Group, Inc.	SELL	9.71	Ordinary	(556)	(556)
2-Aug-2018	The Vanguard Group, Inc.	SELL	9.63	Ordinary	(17,560)	(17,560)
3-Aug-2018	The Vanguard Group, Inc.	BUY	9.77	Ordinary	1,336	1,336
3-Aug-2018	The Vanguard Group, Inc.	SELL	9.77	Ordinary	(5,473)	(5,473)
8-Aug-2018	The Vanguard Group, Inc.	BUY	9.92	Ordinary	113,181	113,181
8-Aug-2018	The Vanguard Group, Inc.	SELL	9.92	Ordinary	(547)	(547)
9-Aug-2018	The Vanguard Group, Inc.	SELL	9.84	Ordinary	(19,359)	(19,359)
10-Aug-2018	The Vanguard Group, Inc.	SELL	9.63	Ordinary	(42,144)	(42,144)
10-Aug-2018	The Vanguard Group, Inc.	SELL	9.63	Ordinary	(19,359)	(19,359)
10-Aug-2018	The Vanguard Group, Inc.	SELL	9.63	Ordinary	(10,755)	(10,755)
10-Aug-2018	The Vanguard Group, Inc.	SELL	9.63	Ordinary	(40,536)	(40,536)
13-Aug-2018	The Vanguard Group, Inc.	BUY	9.70	Ordinary	4,394	4,394
13-Aug-2018	The Vanguard Group, Inc.	BUY	9.57	Ordinary	582	582
13-Aug-2018	The Vanguard Group, Inc.	SELL	9.64	Ordinary	(16,514)	(16,514)
14-Aug-2018	The Vanguard Group, Inc.	BUY	9.83	Ordinary	70,763	70,763
14-Aug-2018	The Vanguard Group, Inc.	SELL	9.81	Ordinary	(38,718)	(38,718)
15-Aug-2018	The Vanguard Group, Inc.	SELL	9.68	Ordinary	(21,072)	(21,072)
16-Aug-2018	The Vanguard Group, Inc.	BUY	9.20	Ordinary	110,540	110,540
16-Aug-2018	The Vanguard Group, Inc.	SELL	9.09	Ordinary	(34,901)	(34,901)
17-Aug-2018	The Vanguard Group, Inc.	BUY	8.89	Ordinary	12,672	12,672
17-Aug-2018	The Vanguard Group, Inc.	BUY	8.89	Ordinary	76,489	76,489
17-Aug-2018	The Vanguard Group, Inc.	BUY	8.91	Ordinary	4,907	4,907
21-Aug-2018	The Vanguard Group, Inc.	BUY	8.37	Ordinary	1,736	1,736
21-Aug-2018	The Vanguard Group, Inc.	BUY	8.37	Ordinary	8,604	8,604
22-Aug-2018	The Vanguard Group, Inc.	BUY	8.30	Ordinary	92,376	92,376
24-Aug-2018	The Vanguard Group, Inc.	BUY	8.24	Ordinary	6,493	6,493
24-Aug-2018	The Vanguard Group, Inc.	BUY	8.24	Ordinary	7,711	7,711
24-Aug-2018	The Vanguard Group, Inc.	BUY	8.24	Ordinary	51,332	51,332
27-Aug-2018	The Vanguard Group, Inc.	BUY	8.21	Ordinary	16,558	16,558
27-Aug-2018	The Vanguard Group, Inc.	BUY	8.13	Ordinary	10,755	10,755
28-Aug-2018	The Vanguard Group, Inc.	BUY	8.20	Ordinary	963	963
31-Aug-2018	The Vanguard Group, Inc.	BUY	7.97	Ordinary	21,050	21,050
5-Sep-2018	The Vanguard Group, Inc.	SELL	7.76	Ordinary	(1,489)	(1,489)
5-Sep-2018	The Vanguard Group, Inc.	BUY	7.80	Ordinary	124,959	124,959
7-Sep-2018	The Vanguard Group, Inc.	BUY	7.72	Ordinary	24,994	24,994
7-Sep-2018	The Vanguard Group, Inc.	BUY	7.72	Ordinary	8,436	8,436
7-Sep-2018	The Vanguard Group, Inc.	BUY	7.72	Ordinary	21,510	21,510
7-Sep-2018	The Vanguard Group, Inc.	BUY	7.72	Ordinary	6,453	6,453
7-Sep-2018	The Vanguard Group, Inc.	SELL	7.72	Ordinary	(30,106)	(30,106)
10-Sep-2018	The Vanguard Group, Inc.	BUY	7.82	Ordinary	3,121	3,121
11-Sep-2018	The Vanguard Group, Inc.	BUY	8.06	Ordinary	90,667	90,667
12-Sep-2018	The Vanguard Group, Inc.	SELL	8.28	Ordinary	(115,408)	(115,408)
12-Sep-2018	The Vanguard Group, Inc.	BUY	8.20	Ordinary	126,685	126,685
12-Sep-2018	The Vanguard Group, Inc.	BUY	8.28	Ordinary	12,654	12,654
12-Sep-2018	The Vanguard Group, Inc.	BUY	8.28	Ordinary	21,510	21,510
12-Sep-2018	The Vanguard Group, Inc.	SELL	8.10	Ordinary	(950)	(950)

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-Sep-2018	The Vanguard Group, Inc.	BUY	8.35	Ordinary	14,497	14,497
20-Sep-2018	The Vanguard Group, Inc.	BUY	7.93	Ordinary	1,505	1,505
21-Sep-2018	The Vanguard Group, Inc.	BUY	7.96	Ordinary	61,451	61,451
21-Sep-2018	The Vanguard Group, Inc.	SELL	7.96	Ordinary	(181,283)	(181,283)
21-Sep-2018	The Vanguard Group, Inc.	SELL	7.96	Ordinary	(84,287)	(84,287)
21-Sep-2018	The Vanguard Group, Inc.	SELL	7.96	Ordinary	(14,618)	(14,618)
21-Sep-2018	The Vanguard Group, Inc.	BUY	7.90	Ordinary	11,849	11,849
21-Sep-2018	The Vanguard Group, Inc.	BUY	7.96	Ordinary	14,301	14,301
26-Sep-2018	The Vanguard Group, Inc.	BUY	8.27	Ordinary	964	964
26-Sep-2018	The Vanguard Group, Inc.	BUY	8.26	Ordinary	21,130	21,130
26-Sep-2018	The Vanguard Group, Inc.	BUY	8.26	Ordinary	8,452	8,452
26-Sep-2018	The Vanguard Group, Inc.	BUY	8.26	Ordinary	16,904	16,904
27-Sep-2018	The Vanguard Group, Inc.	SELL	8.23	Ordinary	(2,515)	(2,515)
27-Sep-2018	The Vanguard Group, Inc.	SELL	8.21	Ordinary	(3,536)	(3,536)
1-Oct-2018	The Vanguard Group, Inc.	BUY	8.26	Ordinary	12,678	12,678
2-Oct-2018	The Vanguard Group, Inc.	BUY	8.42	Ordinary	184,457	184,457
2-Oct-2018	The Vanguard Group, Inc.	BUY	8.39	Ordinary	33,808	33,808
2-Oct-2018	The Vanguard Group, Inc.	SELL	8.35	Ordinary	(677)	(677)
3-Oct-2018	The Vanguard Group, Inc.	BUY	8.43	Ordinary	12,678	12,678
3-Oct-2018	The Vanguard Group, Inc.	BUY	8.43	Ordinary	9,594	9,594
4-Oct-2018	The Vanguard Group, Inc.	SELL	8.56	Ordinary	(56,669)	(56,669)
8-Oct-2018	The Vanguard Group, Inc.	BUY	8.55	Ordinary	32,842	32,842
9-Oct-2018	The Vanguard Group, Inc.	BUY	8.59	Ordinary	27,183	27,183
11-Oct-2018	The Vanguard Group, Inc.	BUY	8.19	Ordinary	10,758	10,758
12-Oct-2018	The Vanguard Group, Inc.	BUY	8.10	Ordinary	27,206	27,206
12-Oct-2018	The Vanguard Group, Inc.	BUY	8.10	Ordinary	100,229	100,229
15-Oct-2018	The Vanguard Group, Inc.	BUY	8.11	Ordinary	17,930	17,930
16-Oct-2018	The Vanguard Group, Inc.	SELL	8.09	Ordinary	(720)	(720)
18-Oct-2018	The Vanguard Group, Inc.	BUY	8.13	Ordinary	931	931
18-Oct-2018	The Vanguard Group, Inc.	SELL	8.01	Ordinary	(937)	(937)
19-Oct-2018	The Vanguard Group, Inc.	BUY	7.87	Ordinary	10,758	10,758
19-Oct-2018	The Vanguard Group, Inc.	BUY	7.88	Ordinary	135,911	135,911
19-Oct-2018	The Vanguard Group, Inc.	BUY	7.87	Ordinary	12,678	12,678
22-Oct-2018	The Vanguard Group, Inc.	BUY	7.91	Ordinary	1,201	1,201
23-Oct-2018	The Vanguard Group, Inc.	BUY	7.56	Ordinary	10,986	10,986
25-Oct-2018	The Vanguard Group, Inc.	BUY	7.15	Ordinary	96,613	96,613
25-Oct-2018	The Vanguard Group, Inc.	BUY	7.16	Ordinary	10,565	10,565
26-Oct-2018	The Vanguard Group, Inc.	BUY	6.95	Ordinary	1,592	1,592
26-Oct-2018	The Vanguard Group, Inc.	BUY	6.95	Ordinary	4,839	4,839
26-Oct-2018	The Vanguard Group, Inc.	BUY	6.95	Ordinary	55,920	55,920
30-Oct-2018	The Vanguard Group, Inc.	BUY	7.17	Ordinary	27,721	27,721
30-Oct-2018	The Vanguard Group, Inc.	BUY	7.09	Ordinary	170,507	170,507
31-Oct-2018	The Vanguard Group, Inc.	BUY	7.32	Ordinary	14,791	14,791
1-Nov-2018	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(115,264)	(115,264)
1-Nov-2018	The Vanguard Group, Inc.	BUY	7.24	Ordinary	21,130	21,130
2-Nov-2018	The Vanguard Group, Inc.	SELL	7.14	Ordinary	(39,551)	(39,551)
5-Nov-2018	The Vanguard Group, Inc.	SELL	7.17	Ordinary	(13,227)	(13,227)
6-Nov-2018	The Vanguard Group, Inc.	BUY	7.18	Ordinary	18,935	18,935
7-Nov-2018	The Vanguard Group, Inc.	BUY	7.24	Ordinary	16,904	16,904
8-Nov-2018	The Vanguard Group, Inc.	SELL	7.20	Ordinary	(136,876)	(136,876)
9-Nov-2018	The Vanguard Group, Inc.	SELL	7.06	Ordinary	(3,515)	(3,515)
9-Nov-2018	The Vanguard Group, Inc.	BUY	7.08	Ordinary	162,307	162,307
12-Nov-2018	The Vanguard Group, Inc.	BUY	7.09	Ordinary	12,678	12,678
12-Nov-2018	The Vanguard Group, Inc.	SELL	7.03	Ordinary	(4,742)	(4,742)
13-Nov-2018	The Vanguard Group, Inc.	BUY	7.07	Ordinary	3,333	3,333
13-Nov-2018	The Vanguard Group, Inc.	BUY	7.04	Ordinary	7,228	7,228
13-Nov-2018	The Vanguard Group, Inc.	BUY	7.04	Ordinary	13,990	13,990
14-Nov-2018	The Vanguard Group, Inc.	BUY	6.87	Ordinary	12,678	12,678
14-Nov-2018	The Vanguard Group, Inc.	BUY	6.87	Ordinary	16,904	16,904
15-Nov-2018	The Vanguard Group, Inc.	BUY	6.90	Ordinary	12,752	12,752
19-Nov-2018	The Vanguard Group, Inc.	BUY	6.86	Ordinary	3,876	3,876
21-Nov-2018	The Vanguard Group, Inc.	BUY	6.62	Ordinary	16,904	16,904
28-Nov-2018	The Vanguard Group, Inc.	BUY	6.68	Ordinary	10,758	10,758
28-Nov-2018	The Vanguard Group, Inc.	BUY	6.68	Ordinary	1,793	1,793
28-Nov-2018	The Vanguard Group, Inc.	BUY	6.68	Ordinary	10,565	10,565
28-Nov-2018	The Vanguard Group, Inc.	BUY	6.68	Ordinary	11,193	11,193
28-Nov-2018	The Vanguard Group, Inc.	SELL	6.71	Ordinary	(10,407)	(10,407)
30-Nov-2018	The Vanguard Group, Inc.	SELL	6.51	Ordinary	(48,062)	(48,062)
4-Dec-2018	The Vanguard Group, Inc.	BUY	6.85	Ordinary	17,781	17,781
4-Dec-2018	The Vanguard Group, Inc.	BUY	6.73	Ordinary	12,752	12,752
4-Dec-2018	The Vanguard Group, Inc.	BUY	6.73	Ordinary	16,904	16,904
5-Dec-2018	The Vanguard Group, Inc.	BUY	6.74	Ordinary	8,785	8,785
5-Dec-2018	The Vanguard Group, Inc.	BUY	6.72	Ordinary	7,680	7,680
5-Dec-2018	The Vanguard Group, Inc.	BUY	6.72	Ordinary	131,505	131,505
5-Dec-2018	The Vanguard Group, Inc.	BUY	6.72	Ordinary	3,151	3,151
5-Dec-2018	The Vanguard Group, Inc.	BUY	6.72	Ordinary	53,992	53,992
6-Dec-2018	The Vanguard Group, Inc.	SELL	6.73	Ordinary	(1,710)	(1,710)
6-Dec-2018	The Vanguard Group, Inc.	BUY	6.73	Ordinary	11,858	11,858
6-Dec-2018	The Vanguard Group, Inc.	BUY	6.77	Ordinary	9,564	9,564
7-Dec-2018	The Vanguard Group, Inc.	BUY	6.85	Ordinary	16,904	16,904
7-Dec-2018	The Vanguard Group, Inc.	BUY	6.85	Ordinary	14,791	14,791
10-Dec-2018	The Vanguard Group, Inc.	BUY	6.86	Ordinary	9,417	9,417
11-Dec-2018	The Vanguard Group, Inc.	BUY	6.85	Ordinary	16,904	16,904
11-Dec-2018	The Vanguard Group, Inc.	BUY	6.85	Ordinary	12,678	12,678
12-Dec-2018	The Vanguard Group, Inc.	BUY	7.09	Ordinary	12,678	12,678
12-Dec-2018	The Vanguard Group, Inc.	BUY	7.09	Ordinary	12,678	12,678
12-Dec-2018	The Vanguard Group, Inc.	BUY	7.09	Ordinary	35,921	35,921
12-Dec-2018	The Vanguard Group, Inc.	SELL	6.86	Ordinary	(810)	(810)
12-Dec-2018	The Vanguard Group, Inc.	BUY	7.09	Ordinary	6,396	6,396

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-2018	The Vanguard Group, Inc.	BUY	7.10	Ordinary	304	304
13-Dec-2018	The Vanguard Group, Inc.	BUY	7.10	Ordinary	1,352	1,352
13-Dec-2018	The Vanguard Group, Inc.	BUY	7.08	Ordinary	11,193	11,193
14-Dec-2018	The Vanguard Group, Inc.	SELL	7.00	Ordinary	(1,228)	(1,228)
14-Dec-2018	The Vanguard Group, Inc.	BUY	6.96	Ordinary	12,678	12,678
14-Dec-2018	The Vanguard Group, Inc.	BUY	6.96	Ordinary	4,797	4,797
17-Dec-2018	The Vanguard Group, Inc.	BUY	6.94	Ordinary	25,356	25,356
17-Dec-2018	The Vanguard Group, Inc.	BUY	6.94	Ordinary	15,990	15,990
20-Dec-2018	The Vanguard Group, Inc.	BUY	6.21	Ordinary	13,581	13,581
20-Dec-2018	The Vanguard Group, Inc.	BUY	6.16	Ordinary	16,904	16,904
20-Dec-2018	The Vanguard Group, Inc.	SELL	6.21	Ordinary	(21,570)	(21,570)
20-Dec-2018	The Vanguard Group, Inc.	SELL	6.21	Ordinary	(65,144)	(65,144)
21-Dec-2018	The Vanguard Group, Inc.	SELL	6.07	Ordinary	(23,733)	(23,733)
21-Dec-2018	The Vanguard Group, Inc.	SELL	6.07	Ordinary	(963)	(963)
24-Dec-2018	The Vanguard Group, Inc.	BUY	6.04	Ordinary	16,990	16,990
24-Dec-2018	The Vanguard Group, Inc.	BUY	6.04	Ordinary	27,184	27,184
26-Dec-2018	The Vanguard Group, Inc.	BUY	6.22	Ordinary	10,194	10,194
27-Dec-2018	The Vanguard Group, Inc.	BUY	6.46	Ordinary	4,515	4,515
27-Dec-2018	The Vanguard Group, Inc.	BUY	6.46	Ordinary	8,495	8,495
27-Dec-2018	The Vanguard Group, Inc.	BUY	6.46	Ordinary	25,485	25,485
27-Dec-2018	The Vanguard Group, Inc.	BUY	6.46	Ordinary	5,097	5,097
31-Dec-2018	The Vanguard Group, Inc.	BUY	6.48	Ordinary	21,672	21,672
2-Jan-2019	The Vanguard Group, Inc.	BUY	6.32	Ordinary	11,342	11,342
2-Jan-2019	The Vanguard Group, Inc.	BUY	6.38	Ordinary	6,321	6,321
2-Jan-2019	The Vanguard Group, Inc.	BUY	6.38	Ordinary	16,254	16,254
2-Jan-2019	The Vanguard Group, Inc.	BUY	6.45	Ordinary	2,070	2,070
2-Jan-2019	The Vanguard Group, Inc.	BUY	6.38	Ordinary	10,194	10,194
2-Jan-2019	The Vanguard Group, Inc.	BUY	6.38	Ordinary	11,893	11,893
3-Jan-2019	The Vanguard Group, Inc.	BUY	6.41	Ordinary	8,495	8,495
4-Jan-2019	The Vanguard Group, Inc.	BUY	6.61	Ordinary	1,751	1,751
7-Jan-2019	The Vanguard Group, Inc.	BUY	6.73	Ordinary	3,398	3,398
8-Jan-2019	The Vanguard Group, Inc.	SELL	6.71	Ordinary	(883)	(883)
8-Jan-2019	The Vanguard Group, Inc.	SELL	6.84	Ordinary	(44,920)	(44,920)
9-Jan-2019	The Vanguard Group, Inc.	SELL	6.95	Ordinary	(20,432)	(20,432)
10-Jan-2019	The Vanguard Group, Inc.	BUY	6.95	Ordinary	9,063	9,063
10-Jan-2019	The Vanguard Group, Inc.	BUY	6.99	Ordinary	14,448	14,448
10-Jan-2019	The Vanguard Group, Inc.	SELL	6.95	Ordinary	(20,214)	(20,214)
11-Jan-2019	The Vanguard Group, Inc.	BUY	7.02	Ordinary	5,418	5,418
15-Jan-2019	The Vanguard Group, Inc.	BUY	6.99	Ordinary	41,943	41,943
16-Jan-2019	The Vanguard Group, Inc.	BUY	7.12	Ordinary	4,999	4,999
17-Jan-2019	The Vanguard Group, Inc.	BUY	7.16	Ordinary	1,663	1,663
17-Jan-2019	The Vanguard Group, Inc.	SELL	7.16	Ordinary	(13,809)	(13,809)
17-Jan-2019	The Vanguard Group, Inc.	BUY	7.22	Ordinary	59,615	59,615
17-Jan-2019	The Vanguard Group, Inc.	SELL	7.20	Ordinary	(12,792)	(12,792)
18-Jan-2019	The Vanguard Group, Inc.	SELL	7.20	Ordinary	(4,888)	(4,888)
18-Jan-2019	The Vanguard Group, Inc.	SELL	7.18	Ordinary	(780)	(780)
22-Jan-2019	The Vanguard Group, Inc.	BUY	7.20	Ordinary	445	445
22-Jan-2019	The Vanguard Group, Inc.	BUY	7.20	Ordinary	2,787	2,787
22-Jan-2019	The Vanguard Group, Inc.	SELL	7.17	Ordinary	(12,792)	(12,792)
23-Jan-2019	The Vanguard Group, Inc.	BUY	7.08	Ordinary	1,662	1,662
23-Jan-2019	The Vanguard Group, Inc.	BUY	7.07	Ordinary	103,058	103,058
23-Jan-2019	The Vanguard Group, Inc.	SELL	7.08	Ordinary	(27,716)	(27,716)
24-Jan-2019	The Vanguard Group, Inc.	BUY	7.21	Ordinary	26,254	26,254
24-Jan-2019	The Vanguard Group, Inc.	SELL	7.23	Ordinary	(27,716)	(27,716)
28-Jan-2019	The Vanguard Group, Inc.	SELL	7.20	Ordinary	(10,194)	(10,194)
29-Jan-2019	The Vanguard Group, Inc.	BUY	7.13	Ordinary	3,307	3,307
29-Jan-2019	The Vanguard Group, Inc.	SELL	7.14	Ordinary	(17,056)	(17,056)
29-Jan-2019	The Vanguard Group, Inc.	SELL	7.14	Ordinary	(17,056)	(17,056)
29-Jan-2019	The Vanguard Group, Inc.	SELL	7.14	Ordinary	(40,508)	(40,508)
29-Jan-2019	The Vanguard Group, Inc.	SELL	7.16	Ordinary	(779)	(779)
29-Jan-2019	The Vanguard Group, Inc.	SELL	7.14	Ordinary	(6,796)	(6,796)
30-Jan-2019	The Vanguard Group, Inc.	BUY	7.18	Ordinary	1,516	1,516
30-Jan-2019	The Vanguard Group, Inc.	BUY	7.17	Ordinary	48,555	48,555
30-Jan-2019	The Vanguard Group, Inc.	BUY	7.21	Ordinary	6,321	6,321
30-Jan-2019	The Vanguard Group, Inc.	SELL	7.21	Ordinary	(10,194)	(10,194)
30-Jan-2019	The Vanguard Group, Inc.	SELL	7.17	Ordinary	(19,607)	(19,607)
30-Jan-2019	The Vanguard Group, Inc.	BUY	7.17	Ordinary	11,038	11,038
31-Jan-2019	The Vanguard Group, Inc.	BUY	7.16	Ordinary	937	937
31-Jan-2019	The Vanguard Group, Inc.	SELL	7.19	Ordinary	(28,883)	(28,883)
5-Feb-2019	The Vanguard Group, Inc.	BUY	7.23	Ordinary	5,057	5,057
5-Feb-2019	The Vanguard Group, Inc.	BUY	7.33	Ordinary	9,933	9,933
7-Feb-2019	The Vanguard Group, Inc.	SELL	7.42	Ordinary	(14,088)	(14,088)
7-Feb-2019	The Vanguard Group, Inc.	BUY	7.42	Ordinary	18,060	18,060
7-Feb-2019	The Vanguard Group, Inc.	SELL	7.42	Ordinary	(6,796)	(6,796)
7-Feb-2019	The Vanguard Group, Inc.	SELL	7.42	Ordinary	(6,796)	(6,796)
8-Feb-2019	The Vanguard Group, Inc.	BUY	7.23	Ordinary	22,197	22,197
8-Feb-2019	The Vanguard Group, Inc.	BUY	7.32	Ordinary	38,245	38,245
8-Feb-2019	The Vanguard Group, Inc.	SELL	7.24	Ordinary	(22,087)	(22,087)
11-Feb-2019	The Vanguard Group, Inc.	BUY	7.22	Ordinary	35,108	35,108
11-Feb-2019	The Vanguard Group, Inc.	SELL	7.23	Ordinary	(15,291)	(15,291)
12-Feb-2019	The Vanguard Group, Inc.	SELL	7.38	Ordinary	(91,479)	(91,479)
13-Feb-2019	The Vanguard Group, Inc.	BUY	7.47	Ordinary	100,889	100,889
13-Feb-2019	The Vanguard Group, Inc.	SELL	7.31	Ordinary	(10,194)	(10,194)
15-Feb-2019	The Vanguard Group, Inc.	SELL	7.43	Ordinary	(307)	(307)
18-Feb-2019	The Vanguard Group, Inc.	BUY	7.67	Ordinary	6,229	6,229
20-Feb-2019	The Vanguard Group, Inc.	BUY	7.59	Ordinary	30,106	30,106
21-Feb-2019	The Vanguard Group, Inc.	SELL	7.66	Ordinary	(8,495)	(8,495)
26-Feb-2019	The Vanguard Group, Inc.	BUY	7.30	Ordinary	849	849
26-Feb-2019	The Vanguard Group, Inc.	BUY	7.30	Ordinary	10,660	10,660

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
27-Feb-2019	The Vanguard Group, Inc.	BUY	7.36	Ordinary	937	937
28-Feb-2019	The Vanguard Group, Inc.	SELL	7.36	Ordinary	(35,197)	(35,197)
1-Mar-2019	The Vanguard Group, Inc.	BUY	7.28	Ordinary	1,570	1,570
1-Mar-2019	The Vanguard Group, Inc.	SELL	7.28	Ordinary	(6,855)	(6,855)
1-Mar-2019	The Vanguard Group, Inc.	BUY	7.27	Ordinary	96,907	96,907
1-Mar-2019	The Vanguard Group, Inc.	SELL	7.28	Ordinary	(32,235)	(32,235)
4-Mar-2019	The Vanguard Group, Inc.	SELL	7.23	Ordinary	(4,772)	(4,772)
4-Mar-2019	The Vanguard Group, Inc.	BUY	7.23	Ordinary	70,896	70,896
4-Mar-2019	The Vanguard Group, Inc.	SELL	7.23	Ordinary	(32,506)	(32,506)
5-Mar-2019	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(8,537)	(8,537)
5-Mar-2019	The Vanguard Group, Inc.	BUY	7.20	Ordinary	105,013	105,013
5-Mar-2019	The Vanguard Group, Inc.	BUY	7.22	Ordinary	2,460	2,460
5-Mar-2019	The Vanguard Group, Inc.	BUY	7.22	Ordinary	12,792	12,792
8-Mar-2019	The Vanguard Group, Inc.	BUY	7.36	Ordinary	3,747	3,747
8-Mar-2019	The Vanguard Group, Inc.	BUY	7.36	Ordinary	963	963
8-Mar-2019	The Vanguard Group, Inc.	BUY	7.35	Ordinary	10,660	10,660
11-Mar-2019	The Vanguard Group, Inc.	BUY	7.31	Ordinary	937	937
11-Mar-2019	The Vanguard Group, Inc.	SELL	7.28	Ordinary	(41,442)	(41,442)
12-Mar-2019	The Vanguard Group, Inc.	SELL	7.25	Ordinary	(5,488)	(5,488)
14-Mar-2019	The Vanguard Group, Inc.	SELL	7.27	Ordinary	(19,479)	(19,479)
15-Mar-2019	The Vanguard Group, Inc.	BUY	7.37	Ordinary	378	378
15-Mar-2019	The Vanguard Group, Inc.	BUY	7.37	Ordinary	6	6
15-Mar-2019	The Vanguard Group, Inc.	SELL	7.37	Ordinary	(3,750)	(3,750)
15-Mar-2019	The Vanguard Group, Inc.	SELL	7.37	Ordinary	(3,401)	(3,401)
15-Mar-2019	The Vanguard Group, Inc.	BUY	7.37	Ordinary	214,341	214,341
15-Mar-2019	The Vanguard Group, Inc.	BUY	7.37	Ordinary	3,908	3,908
18-Mar-2019	The Vanguard Group, Inc.	BUY	7.40	Ordinary	12,642	12,642
19-Mar-2019	The Vanguard Group, Inc.	BUY	7.44	Ordinary	12,415	12,415
20-Mar-2019	The Vanguard Group, Inc.	BUY	7.45	Ordinary	6,396	6,396
21-Mar-2019	The Vanguard Group, Inc.	BUY	7.51	Ordinary	963	963
22-Mar-2019	The Vanguard Group, Inc.	BUY	7.58	Ordinary	34,302	34,302
22-Mar-2019	The Vanguard Group, Inc.	BUY	7.58	Ordinary	21,327	21,327
26-Mar-2019	The Vanguard Group, Inc.	BUY	7.13	Ordinary	116,850	116,850
27-Mar-2019	The Vanguard Group, Inc.	SELL	7.09	Ordinary	(1,040)	(1,040)
27-Mar-2019	The Vanguard Group, Inc.	BUY	7.07	Ordinary	2,496	2,496
28-Mar-2019	The Vanguard Group, Inc.	SELL	7.23	Ordinary	(5,193)	(5,193)
29-Mar-2019	The Vanguard Group, Inc.	BUY	7.18	Ordinary	8,214	8,214
29-Mar-2019	The Vanguard Group, Inc.	BUY	7.20	Ordinary	937	937
29-Mar-2019	The Vanguard Group, Inc.	SELL	7.20	Ordinary	(23,764)	(23,764)
29-Mar-2019	The Vanguard Group, Inc.	BUY	7.20	Ordinary	97,868	97,868
1-Apr-2019	The Vanguard Group, Inc.	BUY	7.17	Ordinary	8,528	8,528
1-Apr-2019	The Vanguard Group, Inc.	BUY	7.17	Ordinary	2,496	2,496
3-Apr-2019	The Vanguard Group, Inc.	BUY	7.17	Ordinary	143,472	143,472
4-Apr-2019	The Vanguard Group, Inc.	BUY	7.11	Ordinary	3,515	3,515
4-Apr-2019	The Vanguard Group, Inc.	SELL	7.11	Ordinary	(13,438)	(13,438)
5-Apr-2019	The Vanguard Group, Inc.	BUY	7.12	Ordinary	18,060	18,060
5-Apr-2019	The Vanguard Group, Inc.	BUY	7.12	Ordinary	2,496	2,496
8-Apr-2019	The Vanguard Group, Inc.	BUY	7.25	Ordinary	2,496	2,496
9-Apr-2019	The Vanguard Group, Inc.	SELL	7.31	Ordinary	(10,440)	(10,440)
10-Apr-2019	The Vanguard Group, Inc.	BUY	7.23	Ordinary	42,260	42,260
16-Apr-2019	The Vanguard Group, Inc.	BUY	7.29	Ordinary	937	937
17-Apr-2019	The Vanguard Group, Inc.	BUY	7.29	Ordinary	111,455	111,455
18-Apr-2019	The Vanguard Group, Inc.	BUY	7.32	Ordinary	22,075	22,075
23-Apr-2019	The Vanguard Group, Inc.	SELL	7.57	Ordinary	(9,733)	(9,733)
23-Apr-2019	The Vanguard Group, Inc.	BUY	7.61	Ordinary	16,254	16,254
24-Apr-2019	The Vanguard Group, Inc.	BUY	7.60	Ordinary	1,335	1,335
24-Apr-2019	The Vanguard Group, Inc.	BUY	7.57	Ordinary	1,734	1,734
24-Apr-2019	The Vanguard Group, Inc.	SELL	7.57	Ordinary	(19,151)	(19,151)
26-Apr-2019	The Vanguard Group, Inc.	BUY	7.55	Ordinary	7,167	7,167
26-Apr-2019	The Vanguard Group, Inc.	BUY	7.49	Ordinary	10,660	10,660
26-Apr-2019	The Vanguard Group, Inc.	SELL	7.55	Ordinary	(712)	(712)
2-May-2019	The Vanguard Group, Inc.	BUY	7.68	Ordinary	222,127	222,127
3-May-2019	The Vanguard Group, Inc.	BUY	7.52	Ordinary	2,055	2,055
3-May-2019	The Vanguard Group, Inc.	BUY	7.53	Ordinary	3,515	3,515
3-May-2019	The Vanguard Group, Inc.	BUY	7.64	Ordinary	9,274	9,274
6-May-2019	The Vanguard Group, Inc.	SELL	7.46	Ordinary	(10,566)	(10,566)
7-May-2019	The Vanguard Group, Inc.	BUY	7.52	Ordinary	3,798	3,798
7-May-2019	The Vanguard Group, Inc.	BUY	7.57	Ordinary	3,515	3,515
7-May-2019	The Vanguard Group, Inc.	BUY	7.49	Ordinary	8,960	8,960
7-May-2019	The Vanguard Group, Inc.	BUY	7.52	Ordinary	69,826	69,826
8-May-2019	The Vanguard Group, Inc.	BUY	7.40	Ordinary	963	963
8-May-2019	The Vanguard Group, Inc.	SELL	7.40	Ordinary	(10,566)	(10,566)
9-May-2019	The Vanguard Group, Inc.	BUY	7.43	Ordinary	98,885	98,885
9-May-2019	The Vanguard Group, Inc.	BUY	7.44	Ordinary	12,792	12,792
9-May-2019	The Vanguard Group, Inc.	BUY	7.44	Ordinary	2,462	2,462
10-May-2019	The Vanguard Group, Inc.	BUY	7.51	Ordinary	2,274	2,274
10-May-2019	The Vanguard Group, Inc.	BUY	7.51	Ordinary	963	963
10-May-2019	The Vanguard Group, Inc.	SELL	7.51	Ordinary	(27,908)	(27,908)
14-May-2019	The Vanguard Group, Inc.	BUY	7.30	Ordinary	34,461	34,461
14-May-2019	The Vanguard Group, Inc.	BUY	7.30	Ordinary	3,239	3,239
14-May-2019	The Vanguard Group, Inc.	BUY	7.27	Ordinary	937	937
14-May-2019	The Vanguard Group, Inc.	SELL	7.28	Ordinary	(10,566)	(10,566)
14-May-2019	The Vanguard Group, Inc.	BUY	7.28	Ordinary	6,796	6,796
14-May-2019	The Vanguard Group, Inc.	BUY	7.28	Ordinary	1,231	1,231
15-May-2019	The Vanguard Group, Inc.	BUY	7.44	Ordinary	23,202	23,202
16-May-2019	The Vanguard Group, Inc.	BUY	7.74	Ordinary	273,939	273,939
16-May-2019	The Vanguard Group, Inc.	BUY	7.50	Ordinary	4,167	4,167
17-May-2019	The Vanguard Group, Inc.	BUY	7.87	Ordinary	179,816	179,816
20-May-2019	The Vanguard Group, Inc.	BUY	7.95	Ordinary	8,960	8,960

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20-May-2019	The Vanguard Group, Inc.	BUY	8.00	Ordinary	15,398	15,398
21-May-2019	The Vanguard Group, Inc.	BUY	7.85	Ordinary	1,528	1,528
21-May-2019	The Vanguard Group, Inc.	BUY	7.85	Ordinary	8,262	8,262
21-May-2019	The Vanguard Group, Inc.	BUY	7.86	Ordinary	64,857	64,857
22-May-2019	The Vanguard Group, Inc.	BUY	7.86	Ordinary	8,389	8,389
22-May-2019	The Vanguard Group, Inc.	BUY	7.90	Ordinary	52,513	52,513
23-May-2019	The Vanguard Group, Inc.	BUY	7.72	Ordinary	3,671	3,671
24-May-2019	The Vanguard Group, Inc.	BUY	7.51	Ordinary	2,273	2,273
24-May-2019	The Vanguard Group, Inc.	BUY	7.52	Ordinary	175,751	175,751
28-May-2019	The Vanguard Group, Inc.	BUY	7.69	Ordinary	7,633	7,633
28-May-2019	The Vanguard Group, Inc.	BUY	7.63	Ordinary	10,660	10,660
28-May-2019	The Vanguard Group, Inc.	BUY	7.69	Ordinary	18,807	18,807
29-May-2019	The Vanguard Group, Inc.	SELL	7.50	Ordinary	(1,569)	(1,569)
30-May-2019	The Vanguard Group, Inc.	BUY	7.34	Ordinary	963	963
31-May-2019	The Vanguard Group, Inc.	SELL	7.18	Ordinary	(48,581)	(48,581)
3-Jun-2019	The Vanguard Group, Inc.	SELL	7.07	Ordinary	(3,606)	(3,606)
3-Jun-2019	The Vanguard Group, Inc.	BUY	7.09	Ordinary	8,960	8,960
4-Jun-2019	The Vanguard Group, Inc.	BUY	7.12	Ordinary	17,403	17,403
5-Jun-2019	The Vanguard Group, Inc.	SELL	7.08	Ordinary	(3,515)	(3,515)
5-Jun-2019	The Vanguard Group, Inc.	SELL	7.12	Ordinary	(14,088)	(14,088)
5-Jun-2019	The Vanguard Group, Inc.	SELL	7.12	Ordinary	(7,044)	(7,044)
5-Jun-2019	The Vanguard Group, Inc.	SELL	7.15	Ordinary	(810)	(810)
6-Jun-2019	The Vanguard Group, Inc.	BUY	7.06	Ordinary	937	937
6-Jun-2019	The Vanguard Group, Inc.	SELL	7.06	Ordinary	(58,806)	(58,806)
6-Jun-2019	The Vanguard Group, Inc.	BUY	7.08	Ordinary	2,462	2,462
6-Jun-2019	The Vanguard Group, Inc.	BUY	7.07	Ordinary	15,667	15,667
7-Jun-2019	The Vanguard Group, Inc.	BUY	7.10	Ordinary	2,462	2,462
10-Jun-2019	The Vanguard Group, Inc.	BUY	7.13	Ordinary	10,752	10,752
11-Jun-2019	The Vanguard Group, Inc.	BUY	7.19	Ordinary	963	963
11-Jun-2019	The Vanguard Group, Inc.	SELL	7.17	Ordinary	(8,805)	(8,805)
12-Jun-2019	The Vanguard Group, Inc.	BUY	7.15	Ordinary	1,412	1,412
12-Jun-2019	The Vanguard Group, Inc.	BUY	7.15	Ordinary	31,492	31,492
12-Jun-2019	The Vanguard Group, Inc.	BUY	7.15	Ordinary	10,752	10,752
13-Jun-2019	The Vanguard Group, Inc.	BUY	6.97	Ordinary	3,584	3,584
13-Jun-2019	The Vanguard Group, Inc.	SELL	6.99	Ordinary	(91,556)	(91,556)
14-Jun-2019	The Vanguard Group, Inc.	SELL	7.03	Ordinary	(5,283)	(5,283)
14-Jun-2019	The Vanguard Group, Inc.	SELL	7.05	Ordinary	(45,838)	(45,838)
17-Jun-2019	The Vanguard Group, Inc.	BUY	6.91	Ordinary	937	937
17-Jun-2019	The Vanguard Group, Inc.	SELL	6.91	Ordinary	(14,242)	(14,242)
18-Jun-2019	The Vanguard Group, Inc.	BUY	6.93	Ordinary	2,462	2,462
20-Jun-2019	The Vanguard Group, Inc.	BUY	7.27	Ordinary	8,960	8,960
21-Jun-2019	The Vanguard Group, Inc.	SELL	7.35	Ordinary	(4,223)	(4,223)
21-Jun-2019	The Vanguard Group, Inc.	BUY	7.35	Ordinary	4,480	4,480
21-Jun-2019	The Vanguard Group, Inc.	SELL	7.35	Ordinary	(15,081)	(15,081)
24-Jun-2019	The Vanguard Group, Inc.	BUY	7.33	Ordinary	13,592	13,592
25-Jun-2019	The Vanguard Group, Inc.	BUY	7.32	Ordinary	4,278	4,278
25-Jun-2019	The Vanguard Group, Inc.	SELL	7.28	Ordinary	(5,283)	(5,283)
25-Jun-2019	The Vanguard Group, Inc.	BUY	7.28	Ordinary	5,376	5,376
25-Jun-2019	The Vanguard Group, Inc.	BUY	7.28	Ordinary	8,064	8,064
26-Jun-2019	The Vanguard Group, Inc.	BUY	7.34	Ordinary	3,515	3,515
26-Jun-2019	The Vanguard Group, Inc.	BUY	7.34	Ordinary	3,917	3,917
26-Jun-2019	The Vanguard Group, Inc.	BUY	7.33	Ordinary	10,752	10,752
26-Jun-2019	The Vanguard Group, Inc.	BUY	7.33	Ordinary	6,272	6,272
27-Jun-2019	The Vanguard Group, Inc.	SELL	7.46	Ordinary	(1,957)	(1,957)
28-Jun-2019	The Vanguard Group, Inc.	BUY	7.31	Ordinary	39,974	39,974
1-Jul-2019	The Vanguard Group, Inc.	BUY	7.44	Ordinary	4,998	4,998
2-Jul-2019	The Vanguard Group, Inc.	BUY	7.41	Ordinary	32,636	32,636
2-Jul-2019	The Vanguard Group, Inc.	BUY	7.41	Ordinary	8,064	8,064
3-Jul-2019	The Vanguard Group, Inc.	BUY	7.43	Ordinary	55,378	55,378
4-Jul-2019	The Vanguard Group, Inc.	BUY	7.47	Ordinary	15,554	15,554
5-Jul-2019	The Vanguard Group, Inc.	BUY	7.66	Ordinary	8,528	8,528
9-Jul-2019	The Vanguard Group, Inc.	BUY	7.42	Ordinary	13,896	13,896
9-Jul-2019	The Vanguard Group, Inc.	BUY	7.42	Ordinary	937	937
9-Jul-2019	The Vanguard Group, Inc.	BUY	7.46	Ordinary	8,960	8,960
10-Jul-2019	The Vanguard Group, Inc.	BUY	7.45	Ordinary	5,094	5,094
12-Jul-2019	The Vanguard Group, Inc.	SELL	7.53	Ordinary	(26,598)	(26,598)
12-Jul-2019	The Vanguard Group, Inc.	SELL	7.53	Ordinary	(19,301)	(19,301)
15-Jul-2019	The Vanguard Group, Inc.	BUY	7.42	Ordinary	12,792	12,792
17-Jul-2019	The Vanguard Group, Inc.	SELL	7.43	Ordinary	(1,698)	(1,698)
17-Jul-2019	The Vanguard Group, Inc.	BUY	7.40	Ordinary	4,480	4,480
17-Jul-2019	The Vanguard Group, Inc.	BUY	7.40	Ordinary	8,960	8,960
17-Jul-2019	The Vanguard Group, Inc.	BUY	7.40	Ordinary	6,272	6,272
19-Jul-2019	The Vanguard Group, Inc.	BUY	7.48	Ordinary	2,646	2,646
22-Jul-2019	The Vanguard Group, Inc.	SELL	7.58	Ordinary	(30,991)	(30,991)
22-Jul-2019	The Vanguard Group, Inc.	BUY	7.59	Ordinary	8,960	8,960
22-Jul-2019	The Vanguard Group, Inc.	BUY	7.59	Ordinary	10,660	10,660
22-Jul-2019	The Vanguard Group, Inc.	BUY	7.59	Ordinary	10,660	10,660
22-Jul-2019	The Vanguard Group, Inc.	BUY	7.59	Ordinary	2,646	2,646
23-Jul-2019	The Vanguard Group, Inc.	BUY	7.69	Ordinary	1,225	1,225
23-Jul-2019	The Vanguard Group, Inc.	BUY	7.65	Ordinary	304,409	304,409
23-Jul-2019	The Vanguard Group, Inc.	BUY	7.72	Ordinary	8,960	8,960
23-Jul-2019	The Vanguard Group, Inc.	BUY	7.69	Ordinary	6,184	6,184
25-Jul-2019	The Vanguard Group, Inc.	BUY	7.74	Ordinary	5,097	5,097
26-Jul-2019	The Vanguard Group, Inc.	SELL	7.85	Ordinary	(6,785)	(6,785)
26-Jul-2019	The Vanguard Group, Inc.	BUY	7.89	Ordinary	8,064	8,064
26-Jul-2019	The Vanguard Group, Inc.	BUY	7.89	Ordinary	8,495	8,495
26-Jul-2019	The Vanguard Group, Inc.	BUY	7.89	Ordinary	2,646	2,646
29-Jul-2019	The Vanguard Group, Inc.	SELL	7.86	Ordinary	(38,262)	(38,262)
30-Jul-2019	The Vanguard Group, Inc.	BUY	7.86	Ordinary	3,515	3,515

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30-Jul-2019	The Vanguard Group, Inc.	BUY	7.86	Ordinary	22,738	22,738
30-Jul-2019	The Vanguard Group, Inc.	BUY	7.86	Ordinary	3,877	3,877
30-Jul-2019	The Vanguard Group, Inc.	SELL	7.86	Ordinary	(7,044)	(7,044)
30-Jul-2019	The Vanguard Group, Inc.	BUY	7.86	Ordinary	2,649	2,649
31-Jul-2019	The Vanguard Group, Inc.	BUY	7.91	Ordinary	8,064	8,064
1-Aug-2019	The Vanguard Group, Inc.	SELL	7.89	Ordinary	(3,936)	(3,936)
1-Aug-2019	The Vanguard Group, Inc.	SELL	7.85	Ordinary	(66,013)	(66,013)
1-Aug-2019	The Vanguard Group, Inc.	BUY	7.84	Ordinary	19,188	19,188
2-Aug-2019	The Vanguard Group, Inc.	BUY	7.74	Ordinary	5,371	5,371
2-Aug-2019	The Vanguard Group, Inc.	BUY	7.59	Ordinary	6,796	6,796
5-Aug-2019	The Vanguard Group, Inc.	BUY	7.43	Ordinary	2,450	2,450
5-Aug-2019	The Vanguard Group, Inc.	BUY	7.33	Ordinary	8,960	8,960
5-Aug-2019	The Vanguard Group, Inc.	BUY	7.33	Ordinary	8,495	8,495
6-Aug-2019	The Vanguard Group, Inc.	BUY	7.08	Ordinary	6,900	6,900
6-Aug-2019	The Vanguard Group, Inc.	BUY	7.10	Ordinary	26,001	26,001
6-Aug-2019	The Vanguard Group, Inc.	BUY	7.17	Ordinary	1,323	1,323
7-Aug-2019	The Vanguard Group, Inc.	SELL	7.08	Ordinary	(869)	(869)
8-Aug-2019	The Vanguard Group, Inc.	BUY	7.12	Ordinary	2,527	2,527
8-Aug-2019	The Vanguard Group, Inc.	SELL	7.18	Ordinary	(8,805)	(8,805)
8-Aug-2019	The Vanguard Group, Inc.	BUY	7.12	Ordinary	33,622	33,622
9-Aug-2019	The Vanguard Group, Inc.	BUY	7.16	Ordinary	3,969	3,969
12-Aug-2019	The Vanguard Group, Inc.	BUY	7.17	Ordinary	1,225	1,225
12-Aug-2019	The Vanguard Group, Inc.	BUY	7.12	Ordinary	14,336	14,336
13-Aug-2019	The Vanguard Group, Inc.	BUY	7.29	Ordinary	1,934	1,934
13-Aug-2019	The Vanguard Group, Inc.	SELL	7.34	Ordinary	(12,327)	(12,327)
13-Aug-2019	The Vanguard Group, Inc.	BUY	7.26	Ordinary	161,219	161,219
13-Aug-2019	The Vanguard Group, Inc.	BUY	7.34	Ordinary	2,646	2,646
14-Aug-2019	The Vanguard Group, Inc.	BUY	7.44	Ordinary	937	937
14-Aug-2019	The Vanguard Group, Inc.	SELL	7.41	Ordinary	(5,394)	(5,394)
14-Aug-2019	The Vanguard Group, Inc.	BUY	7.40	Ordinary	126,377	126,377
14-Aug-2019	The Vanguard Group, Inc.	BUY	7.44	Ordinary	34,354	34,354
15-Aug-2019	The Vanguard Group, Inc.	BUY	7.09	Ordinary	5,068	5,068
15-Aug-2019	The Vanguard Group, Inc.	SELL	7.08	Ordinary	(10,566)	(10,566)
15-Aug-2019	The Vanguard Group, Inc.	BUY	7.09	Ordinary	7,804	7,804
16-Aug-2019	The Vanguard Group, Inc.	BUY	7.08	Ordinary	134,834	134,834
16-Aug-2019	The Vanguard Group, Inc.	BUY	7.02	Ordinary	4,636	4,636
19-Aug-2019	The Vanguard Group, Inc.	SELL	7.14	Ordinary	(1,568)	(1,568)
19-Aug-2019	The Vanguard Group, Inc.	BUY	7.14	Ordinary	18,438	18,438
20-Aug-2019	The Vanguard Group, Inc.	SELL	7.17	Ordinary	(5,445)	(5,445)
22-Aug-2019	The Vanguard Group, Inc.	BUY	7.37	Ordinary	17,920	17,920
22-Aug-2019	The Vanguard Group, Inc.	BUY	7.38	Ordinary	2,681	2,681
27-Aug-2019	The Vanguard Group, Inc.	SELL	7.42	Ordinary	(5,115)	(5,115)
28-Aug-2019	The Vanguard Group, Inc.	BUY	7.46	Ordinary	16,824	16,824
29-Aug-2019	The Vanguard Group, Inc.	BUY	7.55	Ordinary	26,291	26,291
2-Sep-2019	The Vanguard Group, Inc.	BUY	7.50	Ordinary	17,369	17,369
6-Sep-2019	The Vanguard Group, Inc.	BUY	7.63	Ordinary	937	937
6-Sep-2019	The Vanguard Group, Inc.	SELL	7.49	Ordinary	(1,995)	(1,995)
9-Sep-2019	The Vanguard Group, Inc.	BUY	7.61	Ordinary	11,648	11,648
9-Sep-2019	The Vanguard Group, Inc.	BUY	7.63	Ordinary	6,934	6,934
11-Sep-2019	The Vanguard Group, Inc.	BUY	7.78	Ordinary	11,648	11,648
12-Sep-2019	The Vanguard Group, Inc.	BUY	7.77	Ordinary	8,960	8,960
12-Sep-2019	The Vanguard Group, Inc.	BUY	7.78	Ordinary	2,642	2,642
16-Sep-2019	The Vanguard Group, Inc.	BUY	7.92	Ordinary	9,641	9,641
16-Sep-2019	The Vanguard Group, Inc.	BUY	7.94	Ordinary	5,283	5,283
17-Sep-2019	The Vanguard Group, Inc.	BUY	7.96	Ordinary	1,225	1,225
18-Sep-2019	The Vanguard Group, Inc.	BUY	7.86	Ordinary	8,064	8,064
18-Sep-2019	The Vanguard Group, Inc.	BUY	7.84	Ordinary	144,275	144,275
20-Sep-2019	The Vanguard Group, Inc.	SELL	7.89	Ordinary	(2,373)	(2,373)
20-Sep-2019	The Vanguard Group, Inc.	SELL	7.89	Ordinary	(233,137)	(233,137)
20-Sep-2019	The Vanguard Group, Inc.	SELL	7.89	Ordinary	(64,278)	(64,278)
20-Sep-2019	The Vanguard Group, Inc.	SELL	7.89	Ordinary	(25,890)	(25,890)
20-Sep-2019	The Vanguard Group, Inc.	SELL	7.89	Ordinary	(6,066)	(6,066)
20-Sep-2019	The Vanguard Group, Inc.	SELL	7.89	Ordinary	(24,327)	(24,327)
23-Sep-2019	The Vanguard Group, Inc.	BUY	7.92	Ordinary	8,960	8,960
24-Sep-2019	The Vanguard Group, Inc.	SELL	7.92	Ordinary	(1,993)	(1,993)
24-Sep-2019	The Vanguard Group, Inc.	BUY	7.92	Ordinary	27,072	27,072
25-Sep-2019	The Vanguard Group, Inc.	BUY	7.84	Ordinary	4,533	4,533
25-Sep-2019	The Vanguard Group, Inc.	BUY	7.83	Ordinary	26,208	26,208
25-Sep-2019	The Vanguard Group, Inc.	BUY	7.88	Ordinary	8,960	8,960
27-Sep-2019	The Vanguard Group, Inc.	BUY	8.01	Ordinary	1,836	1,836
27-Sep-2019	The Vanguard Group, Inc.	SELL	8.01	Ordinary	(313)	(313)
27-Sep-2019	The Vanguard Group, Inc.	BUY	8.01	Ordinary	5,656	5,656
30-Sep-2019	The Vanguard Group, Inc.	BUY	7.98	Ordinary	2,506	2,506
1-Oct-2019	The Vanguard Group, Inc.	BUY	7.96	Ordinary	3,411	3,411
2-Oct-2019	The Vanguard Group, Inc.	BUY	7.82	Ordinary	1,253	1,253
4-Oct-2019	The Vanguard Group, Inc.	BUY	7.74	Ordinary	661	661
10-Oct-2019	The Vanguard Group, Inc.	BUY	7.81	Ordinary	8,960	8,960
10-Oct-2019	The Vanguard Group, Inc.	BUY	7.81	Ordinary	26,880	26,880
15-Oct-2019	The Vanguard Group, Inc.	BUY	8.10	Ordinary	7,168	7,168
16-Oct-2019	The Vanguard Group, Inc.	BUY	8.12	Ordinary	873	873
16-Oct-2019	The Vanguard Group, Inc.	BUY	8.10	Ordinary	2,506	2,506
21-Oct-2019	The Vanguard Group, Inc.	BUY	7.85	Ordinary	937	937
21-Oct-2019	The Vanguard Group, Inc.	BUY	7.87	Ordinary	2,506	2,506
23-Oct-2019	The Vanguard Group, Inc.	BUY	7.92	Ordinary	8,960	8,960
25-Oct-2019	The Vanguard Group, Inc.	BUY	7.97	Ordinary	20,605	20,605
25-Oct-2019	The Vanguard Group, Inc.	BUY	7.97	Ordinary	2,677	2,677
25-Oct-2019	The Vanguard Group, Inc.	BUY	7.97	Ordinary	937	937
25-Oct-2019	The Vanguard Group, Inc.	SELL	8.00	Ordinary	(21,132)	(21,132)
25-Oct-2019	The Vanguard Group, Inc.	BUY	8.00	Ordinary	2,484	2,484

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28-Oct-2019	The Vanguard Group, Inc.	BUY	7.99	Ordinary	54,634	54,634
29-Oct-2019	The Vanguard Group, Inc.	SELL	7.94	Ordinary	(19,785)	(19,785)
31-Oct-2019	The Vanguard Group, Inc.	SELL	7.86	Ordinary	(24,061)	(24,061)
31-Oct-2019	The Vanguard Group, Inc.	BUY	7.90	Ordinary	2,584	2,584
1-Nov-2019	The Vanguard Group, Inc.	BUY	7.89	Ordinary	675	675
5-Nov-2019	The Vanguard Group, Inc.	BUY	8.06	Ordinary	17,920	17,920
5-Nov-2019	The Vanguard Group, Inc.	SELL	8.03	Ordinary	(1,456)	(1,456)
6-Nov-2019	The Vanguard Group, Inc.	BUY	8.10	Ordinary	8,960	8,960
7-Nov-2019	The Vanguard Group, Inc.	BUY	8.06	Ordinary	4,023	4,023
8-Nov-2019	The Vanguard Group, Inc.	BUY	8.23	Ordinary	937	937
8-Nov-2019	The Vanguard Group, Inc.	BUY	8.23	Ordinary	6,898	6,898
11-Nov-2019	The Vanguard Group, Inc.	BUY	8.26	Ordinary	12,544	12,544
13-Nov-2019	The Vanguard Group, Inc.	BUY	8.24	Ordinary	512	512
14-Nov-2019	The Vanguard Group, Inc.	BUY	8.17	Ordinary	71,749	71,749
14-Nov-2019	The Vanguard Group, Inc.	BUY	8.19	Ordinary	8,098	8,098
15-Nov-2019	The Vanguard Group, Inc.	BUY	8.29	Ordinary	7,168	7,168
15-Nov-2019	The Vanguard Group, Inc.	BUY	8.28	Ordinary	4,008	4,008
18-Nov-2019	The Vanguard Group, Inc.	BUY	8.24	Ordinary	2,904	2,904
18-Nov-2019	The Vanguard Group, Inc.	BUY	8.25	Ordinary	9,856	9,856
18-Nov-2019	The Vanguard Group, Inc.	BUY	8.25	Ordinary	3,663	3,663
19-Nov-2019	The Vanguard Group, Inc.	BUY	8.29	Ordinary	937	937
19-Nov-2019	The Vanguard Group, Inc.	BUY	8.29	Ordinary	2,541	2,541
21-Nov-2019	The Vanguard Group, Inc.	BUY	8.30	Ordinary	718	718
22-Nov-2019	The Vanguard Group, Inc.	BUY	8.47	Ordinary	1,936	1,936
22-Nov-2019	The Vanguard Group, Inc.	BUY	8.48	Ordinary	14,336	14,336
22-Nov-2019	The Vanguard Group, Inc.	SELL	8.43	Ordinary	(551)	(551)
25-Nov-2019	The Vanguard Group, Inc.	BUY	8.55	Ordinary	968	968
25-Nov-2019	The Vanguard Group, Inc.	BUY	8.60	Ordinary	17,920	17,920
25-Nov-2019	The Vanguard Group, Inc.	BUY	8.55	Ordinary	44,954	44,954
26-Nov-2019	The Vanguard Group, Inc.	BUY	8.63	Ordinary	19,544	19,544
26-Nov-2019	The Vanguard Group, Inc.	SELL	8.63	Ordinary	(354)	(354)
26-Nov-2019	The Vanguard Group, Inc.	BUY	8.63	Ordinary	8,905	8,905
26-Nov-2019	The Vanguard Group, Inc.	BUY	8.63	Ordinary	46,699	46,699
27-Nov-2019	The Vanguard Group, Inc.	BUY	8.68	Ordinary	968	968
27-Nov-2019	The Vanguard Group, Inc.	BUY	8.68	Ordinary	3,411	3,411
27-Nov-2019	The Vanguard Group, Inc.	BUY	8.69	Ordinary	1,221	1,221
29-Nov-2019	The Vanguard Group, Inc.	BUY	8.70	Ordinary	968	968
29-Nov-2019	The Vanguard Group, Inc.	BUY	8.70	Ordinary	937	937
29-Nov-2019	The Vanguard Group, Inc.	BUY	8.70	Ordinary	728	728
2-Dec-2019	The Vanguard Group, Inc.	BUY	8.60	Ordinary	29,848	29,848
3-Dec-2019	The Vanguard Group, Inc.	BUY	8.57	Ordinary	937	937
3-Dec-2019	The Vanguard Group, Inc.	BUY	8.57	Ordinary	1,874	1,874
3-Dec-2019	The Vanguard Group, Inc.	BUY	8.51	Ordinary	4,884	4,884
4-Dec-2019	The Vanguard Group, Inc.	BUY	8.41	Ordinary	449	449
4-Dec-2019	The Vanguard Group, Inc.	BUY	8.41	Ordinary	1,936	1,936
4-Dec-2019	The Vanguard Group, Inc.	BUY	8.41	Ordinary	14,811	14,811
4-Dec-2019	The Vanguard Group, Inc.	BUY	8.43	Ordinary	3,610	3,610
4-Dec-2019	The Vanguard Group, Inc.	BUY	8.43	Ordinary	7,168	7,168
6-Dec-2019	The Vanguard Group, Inc.	BUY	8.57	Ordinary	31,352	31,352
9-Dec-2019	The Vanguard Group, Inc.	BUY	8.70	Ordinary	4,937	4,937
10-Dec-2019	The Vanguard Group, Inc.	BUY	8.66	Ordinary	937	937
10-Dec-2019	The Vanguard Group, Inc.	BUY	8.66	Ordinary	2,411	2,411
11-Dec-2019	The Vanguard Group, Inc.	BUY	8.68	Ordinary	435	435
11-Dec-2019	The Vanguard Group, Inc.	BUY	8.65	Ordinary	10,752	10,752
12-Dec-2019	The Vanguard Group, Inc.	BUY	8.61	Ordinary	13,440	13,440
12-Dec-2019	The Vanguard Group, Inc.	BUY	8.61	Ordinary	5,100	5,100
13-Dec-2019	The Vanguard Group, Inc.	BUY	8.72	Ordinary	2,442	2,442
17-Dec-2019	The Vanguard Group, Inc.	BUY	8.79	Ordinary	17,920	17,920
17-Dec-2019	The Vanguard Group, Inc.	BUY	8.79	Ordinary	9,856	9,856
18-Dec-2019	The Vanguard Group, Inc.	BUY	8.86	Ordinary	155,873	155,873
20-Dec-2019	The Vanguard Group, Inc.	SELL	8.62	Ordinary	(2,126)	(2,126)
20-Dec-2019	The Vanguard Group, Inc.	BUY	8.62	Ordinary	28,337	28,337
20-Dec-2019	The Vanguard Group, Inc.	SELL	8.62	Ordinary	(18,861)	(18,861)
20-Dec-2019	The Vanguard Group, Inc.	BUY	8.62	Ordinary	14,604	14,604
23-Dec-2019	The Vanguard Group, Inc.	BUY	8.55	Ordinary	29,848	29,848
23-Dec-2019	The Vanguard Group, Inc.	BUY	8.55	Ordinary	6,396	6,396
23-Dec-2019	The Vanguard Group, Inc.	BUY	8.55	Ordinary	3,363	3,363
24-Dec-2019	The Vanguard Group, Inc.	BUY	8.61	Ordinary	1,936	1,936
24-Dec-2019	The Vanguard Group, Inc.	BUY	8.60	Ordinary	12,792	12,792
26-Dec-2019	The Vanguard Group, Inc.	BUY	8.61	Ordinary	31,980	31,980
27-Dec-2019	The Vanguard Group, Inc.	BUY	8.59	Ordinary	7,085	7,085
30-Dec-2019	The Vanguard Group, Inc.	SELL	8.60	Ordinary	(3,993)	(3,993)
30-Dec-2019	The Vanguard Group, Inc.	BUY	8.60	Ordinary	968	968
30-Dec-2019	The Vanguard Group, Inc.	BUY	8.60	Ordinary	6,687	6,687
30-Dec-2019	The Vanguard Group, Inc.	BUY	8.55	Ordinary	8,960	8,960
30-Dec-2019	The Vanguard Group, Inc.	SELL	8.57	Ordinary	(16,738)	(16,738)
31-Dec-2019	The Vanguard Group, Inc.	BUY	8.45	Ordinary	996	996
31-Dec-2019	The Vanguard Group, Inc.	BUY	8.45	Ordinary	996	996
31-Dec-2019	The Vanguard Group, Inc.	BUY	8.45	Ordinary	51,281	51,281
2-Jan-2020	The Vanguard Group, Inc.	BUY	8.46	Ordinary	968	968
6-Jan-2020	The Vanguard Group, Inc.	BUY	8.51	Ordinary	2,994	2,994
6-Jan-2020	The Vanguard Group, Inc.	BUY	8.58	Ordinary	1,350	1,350
6-Jan-2020	The Vanguard Group, Inc.	BUY	8.63	Ordinary	1,176	1,176
6-Jan-2020	The Vanguard Group, Inc.	BUY	8.58	Ordinary	3,592	3,592
8-Jan-2020	The Vanguard Group, Inc.	BUY	8.76	Ordinary	996	996
8-Jan-2020	The Vanguard Group, Inc.	BUY	8.76	Ordinary	28,186	28,186
8-Jan-2020	The Vanguard Group, Inc.	BUY	8.83	Ordinary	26,880	26,880
9-Jan-2020	The Vanguard Group, Inc.	BUY	8.69	Ordinary	2,678	2,678
9-Jan-2020	The Vanguard Group, Inc.	BUY	8.73	Ordinary	8,064	8,064

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9-Jan-2020	The Vanguard Group, Inc.	BUY	8.73	Ordinary	38,376	38,376
9-Jan-2020	The Vanguard Group, Inc.	SELL	8.69	Ordinary	(15,413)	(15,413)
10-Jan-2020	The Vanguard Group, Inc.	BUY	8.73	Ordinary	1,936	1,936
10-Jan-2020	The Vanguard Group, Inc.	BUY	8.73	Ordinary	996	996
10-Jan-2020	The Vanguard Group, Inc.	SELL	8.69	Ordinary	(1,665)	(1,665)
10-Jan-2020	The Vanguard Group, Inc.	BUY	8.67	Ordinary	2,352	2,352
13-Jan-2020	The Vanguard Group, Inc.	BUY	8.58	Ordinary	3,399	3,399
13-Jan-2020	The Vanguard Group, Inc.	BUY	8.58	Ordinary	996	996
14-Jan-2020	The Vanguard Group, Inc.	BUY	8.63	Ordinary	1,825	1,825
14-Jan-2020	The Vanguard Group, Inc.	BUY	8.61	Ordinary	2,352	2,352
15-Jan-2020	The Vanguard Group, Inc.	BUY	8.75	Ordinary	996	996
15-Jan-2020	The Vanguard Group, Inc.	BUY	8.76	Ordinary	17,056	17,056
16-Jan-2020	The Vanguard Group, Inc.	BUY	8.76	Ordinary	968	968
16-Jan-2020	The Vanguard Group, Inc.	SELL	8.78	Ordinary	(49,126)	(49,126)
16-Jan-2020	The Vanguard Group, Inc.	BUY	8.81	Ordinary	19,188	19,188
17-Jan-2020	The Vanguard Group, Inc.	BUY	8.74	Ordinary	2,654	2,654
17-Jan-2020	The Vanguard Group, Inc.	BUY	8.78	Ordinary	19,188	19,188
17-Jan-2020	The Vanguard Group, Inc.	BUY	8.78	Ordinary	17,056	17,056
21-Jan-2020	The Vanguard Group, Inc.	BUY	8.62	Ordinary	25,500	25,500
22-Jan-2020	The Vanguard Group, Inc.	BUY	8.72	Ordinary	3,399	3,399
22-Jan-2020	The Vanguard Group, Inc.	BUY	8.65	Ordinary	88,426	88,426
22-Jan-2020	The Vanguard Group, Inc.	BUY	8.69	Ordinary	12,792	12,792
23-Jan-2020	The Vanguard Group, Inc.	BUY	8.59	Ordinary	968	968
23-Jan-2020	The Vanguard Group, Inc.	BUY	8.59	Ordinary	1,936	1,936
23-Jan-2020	The Vanguard Group, Inc.	BUY	8.63	Ordinary	8,960	8,960
23-Jan-2020	The Vanguard Group, Inc.	BUY	8.63	Ordinary	10,660	10,660
23-Jan-2020	The Vanguard Group, Inc.	BUY	8.63	Ordinary	3,528	3,528
28-Jan-2020	The Vanguard Group, Inc.	BUY	8.34	Ordinary	996	996
28-Jan-2020	The Vanguard Group, Inc.	BUY	8.39	Ordinary	69,737	69,737
29-Jan-2020	The Vanguard Group, Inc.	BUY	8.30	Ordinary	1,936	1,936
30-Jan-2020	The Vanguard Group, Inc.	BUY	8.23	Ordinary	968	968
30-Jan-2020	The Vanguard Group, Inc.	BUY	8.23	Ordinary	968	968
30-Jan-2020	The Vanguard Group, Inc.	BUY	8.31	Ordinary	1,176	1,176
31-Jan-2020	The Vanguard Group, Inc.	BUY	8.20	Ordinary	4,977	4,977
31-Jan-2020	The Vanguard Group, Inc.	BUY	8.20	Ordinary	34,772	34,772
31-Jan-2020	The Vanguard Group, Inc.	BUY	8.08	Ordinary	12,792	12,792
31-Jan-2020	The Vanguard Group, Inc.	BUY	8.08	Ordinary	12,792	12,792
31-Jan-2020	The Vanguard Group, Inc.	BUY	8.20	Ordinary	2,453	2,453
3-Feb-2020	The Vanguard Group, Inc.	BUY	7.91	Ordinary	10,197	10,197
3-Feb-2020	The Vanguard Group, Inc.	BUY	8.01	Ordinary	91,438	91,438
3-Feb-2020	The Vanguard Group, Inc.	BUY	7.91	Ordinary	31,360	31,360
4-Feb-2020	The Vanguard Group, Inc.	BUY	7.72	Ordinary	635	635
4-Feb-2020	The Vanguard Group, Inc.	BUY	7.72	Ordinary	2,904	2,904
4-Feb-2020	The Vanguard Group, Inc.	BUY	7.72	Ordinary	3,541	3,541
4-Feb-2020	The Vanguard Group, Inc.	BUY	7.72	Ordinary	996	996
4-Feb-2020	The Vanguard Group, Inc.	BUY	7.77	Ordinary	16,128	16,128
4-Feb-2020	The Vanguard Group, Inc.	BUY	7.77	Ordinary	6,800	6,800
4-Feb-2020	The Vanguard Group, Inc.	BUY	7.77	Ordinary	27,200	27,200
5-Feb-2020	The Vanguard Group, Inc.	BUY	7.87	Ordinary	22,400	22,400
5-Feb-2020	The Vanguard Group, Inc.	BUY	7.87	Ordinary	40,508	40,508
5-Feb-2020	The Vanguard Group, Inc.	BUY	7.87	Ordinary	14,924	14,924
6-Feb-2020	The Vanguard Group, Inc.	BUY	7.93	Ordinary	112,074	112,074
6-Feb-2020	The Vanguard Group, Inc.	BUY	7.91	Ordinary	3,528	3,528
7-Feb-2020	The Vanguard Group, Inc.	BUY	7.75	Ordinary	7,168	7,168
10-Feb-2020	The Vanguard Group, Inc.	BUY	7.61	Ordinary	1,936	1,936
10-Feb-2020	The Vanguard Group, Inc.	BUY	7.61	Ordinary	3,399	3,399
10-Feb-2020	The Vanguard Group, Inc.	BUY	7.67	Ordinary	19,188	19,188
10-Feb-2020	The Vanguard Group, Inc.	BUY	7.61	Ordinary	12,561	12,561
11-Feb-2020	The Vanguard Group, Inc.	BUY	7.62	Ordinary	14,286	14,286
11-Feb-2020	The Vanguard Group, Inc.	BUY	7.62	Ordinary	996	996
11-Feb-2020	The Vanguard Group, Inc.	BUY	7.62	Ordinary	996	996
11-Feb-2020	The Vanguard Group, Inc.	BUY	7.61	Ordinary	12,792	12,792
11-Feb-2020	The Vanguard Group, Inc.	BUY	7.62	Ordinary	2,607	2,607
12-Feb-2020	The Vanguard Group, Inc.	BUY	7.69	Ordinary	28,448	28,448
13-Feb-2020	The Vanguard Group, Inc.	BUY	7.86	Ordinary	968	968
13-Feb-2020	The Vanguard Group, Inc.	BUY	7.86	Ordinary	968	968
13-Feb-2020	The Vanguard Group, Inc.	BUY	7.86	Ordinary	996	996
13-Feb-2020	The Vanguard Group, Inc.	BUY	7.86	Ordinary	27,716	27,716
13-Feb-2020	The Vanguard Group, Inc.	SELL	7.85	Ordinary	(1,021)	(1,021)
13-Feb-2020	The Vanguard Group, Inc.	BUY	7.86	Ordinary	2,380	2,380
13-Feb-2020	The Vanguard Group, Inc.	BUY	7.86	Ordinary	14,337	14,337
14-Feb-2020	The Vanguard Group, Inc.	BUY	7.75	Ordinary	12,792	12,792
14-Feb-2020	The Vanguard Group, Inc.	SELL	7.76	Ordinary	(9,639)	(9,639)
14-Feb-2020	The Vanguard Group, Inc.	BUY	7.76	Ordinary	5,892	5,892
18-Feb-2020	The Vanguard Group, Inc.	BUY	7.76	Ordinary	5,500	5,500
19-Feb-2020	The Vanguard Group, Inc.	BUY	7.86	Ordinary	10,660	10,660
19-Feb-2020	The Vanguard Group, Inc.	SELL	7.80	Ordinary	(127,581)	(127,581)
20-Feb-2020	The Vanguard Group, Inc.	BUY	7.97	Ordinary	23,849	23,849
20-Feb-2020	The Vanguard Group, Inc.	BUY	8.09	Ordinary	124,504	124,504
21-Feb-2020	The Vanguard Group, Inc.	BUY	7.83	Ordinary	2,640	2,640
21-Feb-2020	The Vanguard Group, Inc.	BUY	7.77	Ordinary	17,056	17,056
24-Feb-2020	The Vanguard Group, Inc.	SELL	7.40	Ordinary	(8,805)	(8,805)
25-Feb-2020	The Vanguard Group, Inc.	BUY	7.31	Ordinary	526	526
25-Feb-2020	The Vanguard Group, Inc.	SELL	7.31	Ordinary	(34,965)	(34,965)
25-Feb-2020	The Vanguard Group, Inc.	SELL	7.35	Ordinary	(4,030)	(4,030)
25-Feb-2020	The Vanguard Group, Inc.	SELL	7.08	Ordinary	(3,522)	(3,522)
25-Feb-2020	The Vanguard Group, Inc.	BUY	7.36	Ordinary	87,441	87,441
25-Feb-2020	The Vanguard Group, Inc.	BUY	7.08	Ordinary	12,792	12,792
25-Feb-2020	The Vanguard Group, Inc.	BUY	7.08	Ordinary	1,203	1,203

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-Feb-2020	The Vanguard Group, Inc.	BUY	7.19	Ordinary	4,025	4,025
26-Feb-2020	The Vanguard Group, Inc.	BUY	7.17	Ordinary	146,960	146,960
26-Feb-2020	The Vanguard Group, Inc.	BUY	7.15	Ordinary	2,406	2,406
26-Feb-2020	The Vanguard Group, Inc.	BUY	7.15	Ordinary	3,609	3,609
27-Feb-2020	The Vanguard Group, Inc.	BUY	6.85	Ordinary	17,024	17,024
28-Feb-2020	The Vanguard Group, Inc.	BUY	6.93	Ordinary	122,534	122,534
28-Feb-2020	The Vanguard Group, Inc.	BUY	6.98	Ordinary	93,965	93,965
28-Feb-2020	The Vanguard Group, Inc.	BUY	6.98	Ordinary	19,747	19,747
28-Feb-2020	The Vanguard Group, Inc.	BUY	6.98	Ordinary	17,351	17,351
2-Mar-2020	The Vanguard Group, Inc.	SELL	7.25	Ordinary	(17,056)	(17,056)
2-Mar-2020	The Vanguard Group, Inc.	SELL	6.71	Ordinary	(1,730)	(1,730)
3-Mar-2020	The Vanguard Group, Inc.	BUY	7.04	Ordinary	968	968
4-Mar-2020	The Vanguard Group, Inc.	BUY	6.89	Ordinary	990	990
4-Mar-2020	The Vanguard Group, Inc.	BUY	6.89	Ordinary	968	968
4-Mar-2020	The Vanguard Group, Inc.	BUY	6.89	Ordinary	968	968
4-Mar-2020	The Vanguard Group, Inc.	BUY	6.89	Ordinary	1,936	1,936
4-Mar-2020	The Vanguard Group, Inc.	BUY	6.90	Ordinary	23,516	23,516
5-Mar-2020	The Vanguard Group, Inc.	SELL	7.00	Ordinary	(219,844)	(219,844)
6-Mar-2020	The Vanguard Group, Inc.	BUY	6.80	Ordinary	2,455	2,455
6-Mar-2020	The Vanguard Group, Inc.	BUY	6.79	Ordinary	996	996
6-Mar-2020	The Vanguard Group, Inc.	SELL	6.79	Ordinary	(155,471)	(155,471)
6-Mar-2020	The Vanguard Group, Inc.	SELL	6.72	Ordinary	(12,792)	(12,792)
6-Mar-2020	The Vanguard Group, Inc.	SELL	6.82	Ordinary	(172,567)	(172,567)
6-Mar-2020	The Vanguard Group, Inc.	BUY	6.80	Ordinary	2,593	2,593
9-Mar-2020	The Vanguard Group, Inc.	SELL	5.72	Ordinary	(38,585)	(38,585)
9-Mar-2020	The Vanguard Group, Inc.	BUY	5.72	Ordinary	2,496	2,496
10-Mar-2020	The Vanguard Group, Inc.	BUY	5.94	Ordinary	968	968
10-Mar-2020	The Vanguard Group, Inc.	SELL	5.94	Ordinary	(16,665)	(16,665)
10-Mar-2020	The Vanguard Group, Inc.	BUY	5.76	Ordinary	158,912	158,912
10-Mar-2020	The Vanguard Group, Inc.	SELL	6.06	Ordinary	(10,660)	(10,660)
10-Mar-2020	The Vanguard Group, Inc.	SELL	5.54	Ordinary	(2,222)	(2,222)
11-Mar-2020	The Vanguard Group, Inc.	BUY	6.05	Ordinary	76,576	76,576
11-Mar-2020	The Vanguard Group, Inc.	BUY	6.05	Ordinary	161,316	161,316
11-Mar-2020	The Vanguard Group, Inc.	SELL	5.96	Ordinary	(6,396)	(6,396)
12-Mar-2020	The Vanguard Group, Inc.	BUY	5.50	Ordinary	968	968
12-Mar-2020	The Vanguard Group, Inc.	BUY	5.50	Ordinary	1,936	1,936
12-Mar-2020	The Vanguard Group, Inc.	BUY	5.50	Ordinary	5,641	5,641
12-Mar-2020	The Vanguard Group, Inc.	SELL	5.26	Ordinary	(23,452)	(23,452)
12-Mar-2020	The Vanguard Group, Inc.	SELL	5.50	Ordinary	(12,393)	(12,393)
13-Mar-2020	The Vanguard Group, Inc.	BUY	5.89	Ordinary	996	996
13-Mar-2020	The Vanguard Group, Inc.	BUY	5.89	Ordinary	57,768	57,768
13-Mar-2020	The Vanguard Group, Inc.	BUY	5.89	Ordinary	578	578
13-Mar-2020	The Vanguard Group, Inc.	BUY	5.19	Ordinary	168,490	168,490
16-Mar-2020	The Vanguard Group, Inc.	BUY	5.29	Ordinary	1,877	1,877
16-Mar-2020	The Vanguard Group, Inc.	BUY	5.29	Ordinary	462	462
16-Mar-2020	The Vanguard Group, Inc.	BUY	5.29	Ordinary	968	968
16-Mar-2020	The Vanguard Group, Inc.	BUY	5.51	Ordinary	1,936	1,936
16-Mar-2020	The Vanguard Group, Inc.	BUY	5.29	Ordinary	3,423	3,423
16-Mar-2020	The Vanguard Group, Inc.	SELL	5.05	Ordinary	(5,283)	(5,283)
16-Mar-2020	The Vanguard Group, Inc.	BUY	5.67	Ordinary	143,587	143,587
16-Mar-2020	The Vanguard Group, Inc.	SELL	5.05	Ordinary	(6,800)	(6,800)
16-Mar-2020	The Vanguard Group, Inc.	BUY	5.05	Ordinary	2,432	2,432
16-Mar-2020	The Vanguard Group, Inc.	BUY	5.05	Ordinary	1,216	1,216
16-Mar-2020	The Vanguard Group, Inc.	SELL	5.75	Ordinary	(2,161)	(2,161)
17-Mar-2020	The Vanguard Group, Inc.	SELL	5.14	Ordinary	(2,164)	(2,164)
17-Mar-2020	The Vanguard Group, Inc.	BUY	5.14	Ordinary	1,139	1,139
17-Mar-2020	The Vanguard Group, Inc.	BUY	5.14	Ordinary	52,788	52,788
17-Mar-2020	The Vanguard Group, Inc.	SELL	5.14	Ordinary	(7,044)	(7,044)
17-Mar-2020	The Vanguard Group, Inc.	BUY	5.21	Ordinary	170,975	170,975
17-Mar-2020	The Vanguard Group, Inc.	BUY	5.14	Ordinary	8,960	8,960
17-Mar-2020	The Vanguard Group, Inc.	BUY	5.14	Ordinary	8,064	8,064
17-Mar-2020	The Vanguard Group, Inc.	SELL	5.14	Ordinary	(17,056)	(17,056)
17-Mar-2020	The Vanguard Group, Inc.	SELL	5.14	Ordinary	(21,320)	(21,320)
17-Mar-2020	The Vanguard Group, Inc.	BUY	5.14	Ordinary	3,648	3,648
17-Mar-2020	The Vanguard Group, Inc.	BUY	5.14	Ordinary	2,432	2,432
18-Mar-2020	The Vanguard Group, Inc.	BUY	4.40	Ordinary	968	968
18-Mar-2020	The Vanguard Group, Inc.	BUY	4.40	Ordinary	1,936	1,936
18-Mar-2020	The Vanguard Group, Inc.	BUY	4.84	Ordinary	217,401	217,401
18-Mar-2020	The Vanguard Group, Inc.	SELL	5.01	Ordinary	(2,561)	(2,561)
19-Mar-2020	The Vanguard Group, Inc.	BUY	4.31	Ordinary	560	560
19-Mar-2020	The Vanguard Group, Inc.	BUY	4.14	Ordinary	17,024	17,024
20-Mar-2020	The Vanguard Group, Inc.	SELL	4.24	Ordinary	(617)	(617)
20-Mar-2020	The Vanguard Group, Inc.	BUY	4.22	Ordinary	968	968
20-Mar-2020	The Vanguard Group, Inc.	SELL	4.13	Ordinary	(8,805)	(8,805)
20-Mar-2020	The Vanguard Group, Inc.	BUY	4.27	Ordinary	220,630	220,630
20-Mar-2020	The Vanguard Group, Inc.	SELL	4.24	Ordinary	(41,230)	(41,230)
20-Mar-2020	The Vanguard Group, Inc.	BUY	4.13	Ordinary	3,648	3,648
23-Mar-2020	The Vanguard Group, Inc.	BUY	3.80	Ordinary	968	968
23-Mar-2020	The Vanguard Group, Inc.	BUY	3.80	Ordinary	3,415	3,415
23-Mar-2020	The Vanguard Group, Inc.	BUY	3.80	Ordinary	4,676	4,676
23-Mar-2020	The Vanguard Group, Inc.	SELL	3.83	Ordinary	(7,044)	(7,044)
24-Mar-2020	The Vanguard Group, Inc.	BUY	4.05	Ordinary	968	968
24-Mar-2020	The Vanguard Group, Inc.	SELL	3.84	Ordinary	(14,694)	(14,694)
25-Mar-2020	The Vanguard Group, Inc.	BUY	4.26	Ordinary	183,005	183,005
25-Mar-2020	The Vanguard Group, Inc.	SELL	4.34	Ordinary	(6,800)	(6,800)
26-Mar-2020	The Vanguard Group, Inc.	SELL	4.63	Ordinary	(5,283)	(5,283)
26-Mar-2020	The Vanguard Group, Inc.	BUY	4.40	Ordinary	12,628	12,628
27-Mar-2020	The Vanguard Group, Inc.	BUY	4.33	Ordinary	1,936	1,936
27-Mar-2020	The Vanguard Group, Inc.	BUY	4.33	Ordinary	1,936	1,936

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27-Mar-2020	The Vanguard Group, Inc.	BUY	4.33	Ordinary	837	837
27-Mar-2020	The Vanguard Group, Inc.	BUY	4.33	Ordinary	67,991	67,991
21-Jun-2018	Vanguard Investments Australia Ltd.	BUY	9.90	Ordinary	29,999	29,999
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	10.03	Ordinary	(102,713)	(102,713)
3-Jul-2018	Vanguard Investments Australia Ltd.	BUY	9.92	Ordinary	57,733	57,733
5-Jul-2018	Vanguard Investments Australia Ltd.	BUY	9.86	Ordinary	3,890	3,890
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.04	Ordinary	10,509	10,509
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.04	Ordinary	52,319	52,319
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.04	Ordinary	24,523	24,523
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.04	Ordinary	28,773	28,773
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.15	Ordinary	14,616	14,616
9-Jul-2018	Vanguard Investments Australia Ltd.	SELL	10.07	Ordinary	(12,545)	(12,545)
10-Jul-2018	Vanguard Investments Australia Ltd.	BUY	10.09	Ordinary	5,894	5,894
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	9.61	Ordinary	9,744	9,744
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	9.61	Ordinary	28,438	28,438
17-Jul-2018	Vanguard Investments Australia Ltd.	BUY	9.41	Ordinary	18,471	18,471
18-Jul-2018	Vanguard Investments Australia Ltd.	SELL	9.38	Ordinary	(16,538)	(16,538)
19-Jul-2018	Vanguard Investments Australia Ltd.	BUY	9.32	Ordinary	24,773	24,773
20-Jul-2018	Vanguard Investments Australia Ltd.	BUY	9.45	Ordinary	18,040	18,040
27-Jul-2018	Vanguard Investments Australia Ltd.	BUY	9.56	Ordinary	24,070	24,070
2-Aug-2018	Vanguard Investments Australia Ltd.	BUY	9.58	Ordinary	14,760	14,760
3-Aug-2018	Vanguard Investments Australia Ltd.	BUY	9.77	Ordinary	23,935	23,935
7-Aug-2018	Vanguard Investments Australia Ltd.	BUY	9.90	Ordinary	31,766	31,766
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	9.71	Ordinary	9,948	9,948
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	9.71	Ordinary	26,471	26,471
16-Aug-2018	Vanguard Investments Australia Ltd.	SELL	9.09	Ordinary	(6,375)	(6,375)
21-Aug-2018	Vanguard Investments Australia Ltd.	BUY	8.37	Ordinary	16,760	16,760
27-Aug-2018	Vanguard Investments Australia Ltd.	BUY	8.10	Ordinary	30,543	30,543
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	7.97	Ordinary	1,307	1,307
3-Sep-2018	Vanguard Investments Australia Ltd.	SELL	7.86	Ordinary	(1,064)	(1,064)
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.85	Ordinary	18,194	18,194
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.85	Ordinary	42,995	42,995
6-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.69	Ordinary	23,959	23,959
6-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.69	Ordinary	1,821	1,821
7-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	48,994	48,994
10-Sep-2018	Vanguard Investments Australia Ltd.	SELL	7.82	Ordinary	(17,175)	(17,175)
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.82	Ordinary	16,540	16,540
11-Sep-2018	Vanguard Investments Australia Ltd.	SELL	8.07	Ordinary	(18,588)	(18,588)
17-Sep-2018	Vanguard Investments Australia Ltd.	BUY	8.35	Ordinary	17,974	17,974
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	32,430	32,430
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	11,486	11,486
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	27,322	27,322
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	10,505	10,505
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	39,074	39,074
26-Sep-2018	Vanguard Investments Australia Ltd.	BUY	8.27	Ordinary	9,738	9,738
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	8.21	Ordinary	3,155	3,155
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	8.21	Ordinary	27,985	27,985
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	8.21	Ordinary	7,052	7,052
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	8.21	Ordinary	33,391	33,391
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	8.21	Ordinary	4,213	4,213
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	8.21	Ordinary	17,330	17,330
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	8.21	Ordinary	33,515	33,515
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	8.21	Ordinary	124,971	124,971
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	8.26	Ordinary	(1,963)	(1,963)
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	8.27	Ordinary	14,310	14,310
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	8.50	Ordinary	14,472	14,472
10-Oct-2018	Vanguard Investments Australia Ltd.	SELL	8.48	Ordinary	(13,034)	(13,034)
11-Oct-2018	Vanguard Investments Australia Ltd.	BUY	8.25	Ordinary	19,452	19,452
12-Oct-2018	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	112,195	112,195
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	8.15	Ordinary	27,557	27,557
22-Oct-2018	Vanguard Investments Australia Ltd.	SELL	7.91	Ordinary	(8,352)	(8,352)
24-Oct-2018	Vanguard Investments Australia Ltd.	BUY	7.30	Ordinary	19,428	19,428
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	38,174	38,174
25-Oct-2018	Vanguard Investments Australia Ltd.	SELL	7.09	Ordinary	(11,420)	(11,420)
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	22,666	22,666
29-Oct-2018	Vanguard Investments Australia Ltd.	BUY	7.03	Ordinary	40,204	40,204
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	7.29	Ordinary	25,936	25,936
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	7.29	Ordinary	4,863	4,863
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	3,242	3,242
2-Nov-2018	Vanguard Investments Australia Ltd.	BUY	7.14	Ordinary	21,073	21,073
5-Nov-2018	Vanguard Investments Australia Ltd.	BUY	7.17	Ordinary	46,072	46,072
12-Nov-2018	Vanguard Investments Australia Ltd.	BUY	7.16	Ordinary	21,073	21,073
15-Nov-2018	Vanguard Investments Australia Ltd.	SELL	6.85	Ordinary	(8,997)	(8,997)
16-Nov-2018	Vanguard Investments Australia Ltd.	BUY	6.98	Ordinary	1,686	1,686
16-Nov-2018	Vanguard Investments Australia Ltd.	BUY	6.98	Ordinary	55,136	55,136
19-Nov-2018	Vanguard Investments Australia Ltd.	BUY	6.85	Ordinary	19,340	19,340
19-Nov-2018	Vanguard Investments Australia Ltd.	SELL	6.86	Ordinary	(70,634)	(70,634)
21-Nov-2018	Vanguard Investments Australia Ltd.	BUY	6.63	Ordinary	21,312	21,312
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	6.79	Ordinary	22,694	22,694
23-Nov-2018	Vanguard Investments Australia Ltd.	BUY	6.82	Ordinary	40,145	40,145
29-Nov-2018	Vanguard Investments Australia Ltd.	BUY	6.59	Ordinary	18,073	18,073
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.87	Ordinary	21,047	21,047
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.87	Ordinary	20,220	20,220
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.85	Ordinary	291,303	291,303
7-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	20,071	20,071
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.86	Ordinary	32,480	32,480
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.86	Ordinary	19,488	19,488
12-Dec-2018	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	1,253,320	1,253,320
14-Dec-2018	Vanguard Investments Australia Ltd.	SELL	7.00	Ordinary	(9,744)	(9,744)

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-Dec-2018	Vanguard Investments Australia Ltd.	SELL	6.21	Ordinary	(8,771)	(8,771)
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	78,100	78,100
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	12,795	12,795
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	10,206	10,206
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	17,555	17,555
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	52,927	52,927
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	31,525	31,525
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	88,501	88,501
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	173,343	173,343
27-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.40	Ordinary	9,690	9,690
31-Dec-2018	Vanguard Investments Australia Ltd.	BUY	6.50	Ordinary	38,371	38,371
31-Dec-2018	Vanguard Investments Australia Ltd.	SELL	6.47	Ordinary	(2,365)	(2,365)
8-Jan-2019	Vanguard Investments Australia Ltd.	BUY	6.86	Ordinary	16,050	16,050
10-Jan-2019	Vanguard Investments Australia Ltd.	BUY	6.95	Ordinary	1,822	1,822
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	6.99	Ordinary	19,368	19,368
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	7.00	Ordinary	36,819	36,819
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	7.24	Ordinary	4,027	4,027
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	7,659	7,659
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	20,938	20,938
21-Jan-2019	Vanguard Investments Australia Ltd.	SELL	7.24	Ordinary	(16,904)	(16,904)
22-Jan-2019	Vanguard Investments Australia Ltd.	SELL	7.21	Ordinary	(16,272)	(16,272)
29-Jan-2019	Vanguard Investments Australia Ltd.	BUY	7.14	Ordinary	38,388	38,388
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	7.17	Ordinary	6,484	6,484
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	7.16	Ordinary	31,244	31,244
1-Feb-2019	Vanguard Investments Australia Ltd.	SELL	7.03	Ordinary	(9,545)	(9,545)
1-Feb-2019	Vanguard Investments Australia Ltd.	BUY	7.02	Ordinary	45,738	45,738
4-Feb-2019	Vanguard Investments Australia Ltd.	BUY	7.23	Ordinary	16,341	16,341
5-Feb-2019	Vanguard Investments Australia Ltd.	SELL	7.30	Ordinary	(113,470)	(113,470)
12-Feb-2019	Vanguard Investments Australia Ltd.	SELL	7.38	Ordinary	(18,548)	(18,548)
13-Feb-2019	Vanguard Investments Australia Ltd.	BUY	7.31	Ordinary	73,555	73,555
19-Feb-2019	Vanguard Investments Australia Ltd.	BUY	7.66	Ordinary	17,831	17,831
25-Feb-2019	Vanguard Investments Australia Ltd.	BUY	7.41	Ordinary	50,215	50,215
26-Feb-2019	Vanguard Investments Australia Ltd.	SELL	7.26	Ordinary	(63,788)	(63,788)
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	7.30	Ordinary	16,210	16,210
5-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	103,744	103,744
7-Mar-2019	Vanguard Investments Australia Ltd.	SELL	7.40	Ordinary	(18,498)	(18,498)
12-Mar-2019	Vanguard Investments Australia Ltd.	SELL	7.25	Ordinary	(25,402)	(25,402)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	24,752	24,752
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	451	451
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	871	871
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	47,772	47,772
15-Mar-2019	Vanguard Investments Australia Ltd.	SELL	7.37	Ordinary	(11,891)	(11,891)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	482	482
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	26,486	26,486
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	800	800
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	43,869	43,869
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	633	633
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	34,733	34,733
19-Mar-2019	Vanguard Investments Australia Ltd.	SELL	7.44	Ordinary	(12,350)	(12,350)
19-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.44	Ordinary	1,419	1,419
21-Mar-2019	Vanguard Investments Australia Ltd.	SELL	7.48	Ordinary	(21,502)	(21,502)
21-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.48	Ordinary	23,686	23,686
22-Mar-2019	Vanguard Investments Australia Ltd.	BUY	7.56	Ordinary	24,536	24,536
29-Mar-2019	Vanguard Investments Australia Ltd.	SELL	7.20	Ordinary	(1,637)	(1,637)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.15	Ordinary	3,411	3,411
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.15	Ordinary	58,195	58,195
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.15	Ordinary	6,089	6,089
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	7.15	Ordinary	(83,517)	(83,517)
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	7.15	Ordinary	(2,049)	(2,049)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.15	Ordinary	55,111	55,111
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	8,200	8,200
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	17,713	17,713
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	33,603	33,603
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	53,633	53,633
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.14	Ordinary	11,263	11,263
3-Apr-2019	Vanguard Investments Australia Ltd.	SELL	7.18	Ordinary	(3,132)	(3,132)
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.25	Ordinary	12,872	12,872
9-Apr-2019	Vanguard Investments Australia Ltd.	SELL	7.31	Ordinary	(3,025)	(3,025)
9-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.31	Ordinary	519,850	519,850
11-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.20	Ordinary	20,517	20,517
12-Apr-2019	Vanguard Investments Australia Ltd.	SELL	7.25	Ordinary	(4,666)	(4,666)
16-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.29	Ordinary	103,637	103,637
30-Apr-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	19,080	19,080
1-May-2019	Vanguard Investments Australia Ltd.	BUY	7.56	Ordinary	2,955	2,955
1-May-2019	Vanguard Investments Australia Ltd.	BUY	7.55	Ordinary	18,639	18,639
1-May-2019	Vanguard Investments Australia Ltd.	BUY	7.56	Ordinary	6,780	6,780
1-May-2019	Vanguard Investments Australia Ltd.	BUY	7.55	Ordinary	42,770	42,770
1-May-2019	Vanguard Investments Australia Ltd.	BUY	7.55	Ordinary	65,659	65,659
1-May-2019	Vanguard Investments Australia Ltd.	BUY	7.56	Ordinary	10,407	10,407
6-May-2019	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	12,224	12,224
7-May-2019	Vanguard Investments Australia Ltd.	SELL	7.52	Ordinary	(3,633)	(3,633)
10-May-2019	Vanguard Investments Australia Ltd.	BUY	7.55	Ordinary	2,817	2,817
10-May-2019	Vanguard Investments Australia Ltd.	BUY	7.55	Ordinary	5,056	5,056
10-May-2019	Vanguard Investments Australia Ltd.	BUY	7.55	Ordinary	3,926	3,926
10-May-2019	Vanguard Investments Australia Ltd.	BUY	7.51	Ordinary	14,310	14,310
14-May-2019	Vanguard Investments Australia Ltd.	SELL	7.26	Ordinary	(7,255)	(7,255)
15-May-2019	Vanguard Investments Australia Ltd.	SELL	7.43	Ordinary	(17,657)	(17,657)
16-May-2019	Vanguard Investments Australia Ltd.	BUY	7.73	Ordinary	44,846	44,846
17-May-2019	Vanguard Investments Australia Ltd.	BUY	7.89	Ordinary	1,361	1,361

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17-May-2019	Vanguard Investments Australia Ltd.	BUY	7.89	Ordinary	16,010	16,010
21-May-2019	Vanguard Investments Australia Ltd.	BUY	7.85	Ordinary	16,010	16,010
23-May-2019	Vanguard Investments Australia Ltd.	SELL	7.72	Ordinary	(3,721)	(3,721)
27-May-2019	Vanguard Investments Australia Ltd.	SELL	7.59	Ordinary	(30,025)	(30,025)
28-May-2019	Vanguard Investments Australia Ltd.	BUY	7.69	Ordinary	16,400	16,400
29-May-2019	Vanguard Investments Australia Ltd.	SELL	7.47	Ordinary	(30,730)	(30,730)
30-May-2019	Vanguard Investments Australia Ltd.	BUY	7.34	Ordinary	86,991	86,991
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	7.10	Ordinary	(30,987)	(30,987)
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	7.10	Ordinary	(15,240)	(15,240)
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	16,400	16,400
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.06	Ordinary	4,130	4,130
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.06	Ordinary	19,680	19,680
7-Jun-2019	Vanguard Investments Australia Ltd.	SELL	7.08	Ordinary	(4,344)	(4,344)
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.08	Ordinary	1,873	1,873
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	79,780	79,780
11-Jun-2019	Vanguard Investments Australia Ltd.	SELL	7.19	Ordinary	(9,350)	(9,350)
12-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.17	Ordinary	56,356	56,356
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	6.91	Ordinary	13,120	13,120
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	1,400	1,400
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	7,230	7,230
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	5,053	5,053
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	26,075	26,075
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	9,840	9,840
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	12,851	12,851
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	66,310	66,310
25-Jun-2019	Vanguard Investments Australia Ltd.	SELL	7.32	Ordinary	(38,729)	(38,729)
27-Jun-2019	Vanguard Investments Australia Ltd.	SELL	7.46	Ordinary	(15,283)	(15,283)
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	7.46	Ordinary	11,641	11,641
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.41	Ordinary	19,656	19,656
5-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.65	Ordinary	23,058	23,058
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.58	Ordinary	9,828	9,828
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.42	Ordinary	9,828	9,828
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.54	Ordinary	6,861	6,861
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	9,828	9,828
12-Jul-2019	Vanguard Investments Australia Ltd.	SELL	7.53	Ordinary	(6,089)	(6,089)
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.47	Ordinary	8,547	8,547
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.47	Ordinary	39,476	39,476
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.43	Ordinary	28,835	28,835
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.43	Ordinary	17,685	17,685
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.42	Ordinary	19,668	19,668
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.42	Ordinary	33,823	33,823
18-Jul-2019	Vanguard Investments Australia Ltd.	SELL	7.36	Ordinary	(7,830)	(7,830)
19-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.51	Ordinary	27,202	27,202
22-Jul-2019	Vanguard Investments Australia Ltd.	SELL	7.58	Ordinary	(1,080,860)	(1,080,860)
23-Jul-2019	Vanguard Investments Australia Ltd.	SELL	7.69	Ordinary	(14,641)	(14,641)
26-Jul-2019	Vanguard Investments Australia Ltd.	SELL	7.87	Ordinary	(7,777)	(7,777)
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	18,040	18,040
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	7.94	Ordinary	52,517	52,517
1-Aug-2019	Vanguard Investments Australia Ltd.	SELL	7.85	Ordinary	(10,099)	(10,099)
2-Aug-2019	Vanguard Investments Australia Ltd.	SELL	7.61	Ordinary	(23,430)	(23,430)
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.08	Ordinary	14,796	14,796
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.08	Ordinary	14,796	14,796
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.08	Ordinary	24,763	24,763
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.07	Ordinary	22,007	22,007
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.12	Ordinary	18,117	18,117
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.12	Ordinary	22,216	22,216
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.16	Ordinary	27,804	27,804
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.17	Ordinary	18,128	18,128
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.44	Ordinary	4,192	4,192
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.44	Ordinary	28,395	28,395
16-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.02	Ordinary	23,507	23,507
19-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.14	Ordinary	29,234	29,234
20-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.32	Ordinary	28,410	28,410
22-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	26,136	26,136
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.41	Ordinary	14,639	14,639
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.41	Ordinary	688,965	688,965
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.41	Ordinary	29,876	29,876
30-Aug-2019	Vanguard Investments Australia Ltd.	BUY	7.63	Ordinary	25,437	25,437
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.50	Ordinary	36,322	36,322
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.48	Ordinary	169,411	169,411
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.38	Ordinary	27,817	27,817
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.47	Ordinary	25,232	25,232
6-Sep-2019	Vanguard Investments Australia Ltd.	SELL	7.63	Ordinary	(9,315)	(9,315)
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.76	Ordinary	13,842	13,842
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.72	Ordinary	9,424	9,424
13-Sep-2019	Vanguard Investments Australia Ltd.	SELL	7.72	Ordinary	(5,994)	(5,994)
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	13,689	13,689
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	31,388	31,388
18-Sep-2019	Vanguard Investments Australia Ltd.	SELL	7.84	Ordinary	(12,563)	(12,563)
20-Sep-2019	Vanguard Investments Australia Ltd.	SELL	7.89	Ordinary	(9,217)	(9,217)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.89	Ordinary	15,869	15,869
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.89	Ordinary	16,540	16,540
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.93	Ordinary	24,780	24,780
24-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.92	Ordinary	5,695	5,695
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	7.83	Ordinary	23,086	23,086
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	8.01	Ordinary	19,728	19,728
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.95	Ordinary	44,326	44,326
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.95	Ordinary	19,289	19,289
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.93	Ordinary	30,761	30,761

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2-Oct-2019	Vanguard Investments Australia Ltd.	SELL	7.93	Ordinary	(38,856)	(38,856)
3-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.71	Ordinary	19,137	19,137
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.74	Ordinary	12,325	12,325
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.74	Ordinary	21,662	21,662
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.74	Ordinary	27,523	27,523
7-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.79	Ordinary	31,980	31,980
10-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.78	Ordinary	36,672	36,672
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.87	Ordinary	8,324	8,324
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.87	Ordinary	13,032	13,032
14-Oct-2019	Vanguard Investments Australia Ltd.	BUY	8.01	Ordinary	231,378	231,378
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	8.12	Ordinary	274,194	274,194
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	16,320	16,320
21-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.84	Ordinary	16,615	16,615
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.89	Ordinary	16,320	16,320
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.89	Ordinary	42,883	42,883
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.90	Ordinary	19,326	19,326
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.90	Ordinary	13,185	13,185
24-Oct-2019	Vanguard Investments Australia Ltd.	SELL	7.94	Ordinary	(7,725)	(7,725)
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.99	Ordinary	16,310	16,310
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.92	Ordinary	55,450	55,450
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	24,417	24,417
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	39,048	39,048
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	52,289	52,289
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	7.86	Ordinary	(19,524)	(19,524)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	7.95	Ordinary	(34,805)	(34,805)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	7.95	Ordinary	(212,544)	(212,544)
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	7.95	Ordinary	15,252	15,252
4-Nov-2019	Vanguard Investments Australia Ltd.	SELL	7.98	Ordinary	(285,531)	(285,531)
4-Nov-2019	Vanguard Investments Australia Ltd.	BUY	7.99	Ordinary	49,827	49,827
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.07	Ordinary	(13,073)	(13,073)
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.07	Ordinary	(62,736)	(62,736)
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.07	Ordinary	19,452	19,452
7-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.06	Ordinary	(16,102)	(16,102)
7-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.06	Ordinary	13,757	13,757
11-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.25	Ordinary	(10,004)	(10,004)
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.25	Ordinary	42,366	42,366
12-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.28	Ordinary	(6,919)	(6,919)
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.28	Ordinary	17,809	17,809
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.19	Ordinary	4,839	4,839
14-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.19	Ordinary	45,147	45,147
14-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.19	Ordinary	4,192	4,192
19-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.29	Ordinary	(3,034)	(3,034)
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.29	Ordinary	20,839	20,839
20-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.24	Ordinary	(133,122)	(133,122)
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.24	Ordinary	11,200	11,200
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.30	Ordinary	33,600	33,600
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.47	Ordinary	6,288	6,288
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.47	Ordinary	36,952	36,952
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.55	Ordinary	33,534	33,534
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.63	Ordinary	(16,831)	(16,831)
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	8.63	Ordinary	(1,834)	(1,834)
27-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.68	Ordinary	33,000	33,000
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.70	Ordinary	18,518	18,518
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	8.70	Ordinary	19,200	19,200
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.72	Ordinary	86,063	86,063
3-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.57	Ordinary	24,857	24,857
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.41	Ordinary	35,222	35,222
5-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.53	Ordinary	26,748	26,748
6-Dec-2019	Vanguard Investments Australia Ltd.	SELL	8.53	Ordinary	(526,460)	(526,460)
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.57	Ordinary	526,460	526,460
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.57	Ordinary	8,207	8,207
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.70	Ordinary	6,270	6,270
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.70	Ordinary	19,236	19,236
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.68	Ordinary	31,215	31,215
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.68	Ordinary	30,676	30,676
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.70	Ordinary	16,120	16,120
18-Dec-2019	Vanguard Investments Australia Ltd.	SELL	8.86	Ordinary	(10,445)	(10,445)
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.86	Ordinary	22,666	22,666
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.86	Ordinary	82,199	82,199
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.83	Ordinary	35,834	35,834
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.59	Ordinary	26,764	26,764
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.60	Ordinary	13,032	13,032
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	8.45	Ordinary	8,150	8,150
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.46	Ordinary	19,404	19,404
3-Jan-2020	Vanguard Investments Australia Ltd.	SELL	8.60	Ordinary	(119,045)	(119,045)
6-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.55	Ordinary	10,103	10,103
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.69	Ordinary	9,690	9,690
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.70	Ordinary	37,879	37,879
8-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.76	Ordinary	24,225	24,225
9-Jan-2020	Vanguard Investments Australia Ltd.	SELL	8.69	Ordinary	(12,920)	(12,920)
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.58	Ordinary	24,210	24,210
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.63	Ordinary	17,483	17,483
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.63	Ordinary	8,296	8,296
14-Jan-2020	Vanguard Investments Australia Ltd.	SELL	8.63	Ordinary	(8,296)	(8,296)
15-Jan-2020	Vanguard Investments Australia Ltd.	SELL	8.75	Ordinary	(15,148)	(15,148)
15-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	29,373	29,373
16-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	1,823	1,823
21-Jan-2020	Vanguard Investments Australia Ltd.	SELL	8.59	Ordinary	(24,979)	(24,979)
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.59	Ordinary	24,135	24,135

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
30-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.23	Ordinary	24,060	24,060
31-Jan-2020	Vanguard Investments Australia Ltd.	BUY	8.23	Ordinary	29,781	29,781
3-Feb-2020	Vanguard Investments Australia Ltd.	SELL	7.94	Ordinary	(25,682)	(25,682)
5-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.80	Ordinary	2,074	2,074
7-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.74	Ordinary	15,960	15,960
10-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.61	Ordinary	30,117	30,117
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.62	Ordinary	31,820	31,820
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.61	Ordinary	55,122	55,122
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	7.78	Ordinary	(33,581)	(33,581)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	7.78	Ordinary	(6,225)	(6,225)
18-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.76	Ordinary	2,076	2,076
26-Feb-2020	Vanguard Investments Australia Ltd.	SELL	7.14	Ordinary	(5,925)	(5,925)
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.19	Ordinary	25,312	25,312
27-Feb-2020	Vanguard Investments Australia Ltd.	BUY	7.03	Ordinary	124,904	124,904
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	6.98	Ordinary	(19,795)	(19,795)
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	6.98	Ordinary	(26,659)	(26,659)
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	6.98	Ordinary	23,535	23,535
2-Mar-2020	Vanguard Investments Australia Ltd.	SELL	7.01	Ordinary	(40,271)	(40,271)
2-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.01	Ordinary	878	878
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.04	Ordinary	42,336	42,336
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.89	Ordinary	28,185	28,185
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.89	Ordinary	26,724	26,724
5-Mar-2020	Vanguard Investments Australia Ltd.	SELL	7.00	Ordinary	(5,397)	(5,397)
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	7.00	Ordinary	13,932	13,932
6-Mar-2020	Vanguard Investments Australia Ltd.	SELL	6.79	Ordinary	(23,555)	(23,555)
9-Mar-2020	Vanguard Investments Australia Ltd.	SELL	5.72	Ordinary	(5,091)	(5,091)
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.72	Ordinary	55,195	55,195
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.72	Ordinary	69,464	69,464
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.94	Ordinary	30,590	30,590
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.94	Ordinary	86,698	86,698
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.06	Ordinary	9,126	9,126
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.00	Ordinary	39,800	39,800
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	6.00	Ordinary	31,840	31,840
12-Mar-2020	Vanguard Investments Australia Ltd.	SELL	5.50	Ordinary	(5,750)	(5,750)
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.50	Ordinary	2,095	2,095
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.50	Ordinary	27,268	27,268
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.50	Ordinary	48,120	48,120
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.50	Ordinary	175,743	175,743
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	5.89	Ordinary	(12,959)	(12,959)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.89	Ordinary	65,552	65,552
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	5.89	Ordinary	(29,835)	(29,835)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.89	Ordinary	48,240	48,240
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.89	Ordinary	106,611	106,611
16-Mar-2020	Vanguard Investments Australia Ltd.	SELL	5.29	Ordinary	(33,697)	(33,697)
16-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.29	Ordinary	56,280	56,280
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	5.14	Ordinary	(32,515)	(32,515)
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.07	Ordinary	7,962	7,962
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.14	Ordinary	2,095	2,095
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	5.14	Ordinary	40,175	40,175
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	4.40	Ordinary	(26,537)	(26,537)
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	48,300	48,300
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	70,834	70,834
19-Mar-2020	Vanguard Investments Australia Ltd.	SELL	4.07	Ordinary	(6,368)	(6,368)
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	37,214	37,214
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.22	Ordinary	50,034	50,034
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.80	Ordinary	22,652	22,652
24-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.92	Ordinary	(17,933)	(17,933)
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.45	Ordinary	24,315	24,315
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	68,797	68,797
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	5,619	5,619
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	10,110	10,110
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	21,921	21,921
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	53,715	53,715
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	25,288	25,288
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	73,117	73,117
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.33	Ordinary	40,825	40,825
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	117,662	117,662
27-Mar-2020	Vanguard Investments Australia Ltd.	SELL	4.33	Ordinary	(44,091)	(44,091)

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

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 1 April 2020