

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

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

To Company Name/Scheme Scentre Group  
ACN/ARSN 001 671 496

**1. Details of substantial holder (1)**

Name The Vanguard Group, Inc.  
ACN/ARSN (if applicable) N/A

There was a change in the interests of the substantial holder on 11 May 2017

The previous notice was given to the company on 22 February 2016

The previous notice was dated 22 February 2016

**2. Previous and present voting power**

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

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary (Vanguard Investments Australia Ltd)	321,878,086	6.045%	351,498,305	6.602%
Ordinary (The Vanguard Group Inc.)	118,424,313	2.224%	142,282,452	2.672%
Total	440,302,399	8.270%	493,780,757	9.274%

**3. Changes in relevant interests**

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

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

**4. Present relevant interests**

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

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
Vanguard Investments Australia Ltd	JPMorgan Chase Bank, N.A. and various other custodians	Vanguard Investments Australia Ltd is the manager of various superannuation funds, institutional investor portfolios and unit trusts and in that capacity can exercise the power to vote and/or dispose of the shares	Beneficial Owner	Ordinary – 351,498,305	351,498,305
The Vanguard Group, Inc.	JP Morgan Chase Bank, N.A.	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Beneficial Owner	Ordinary – 63,587,189	63,587,189
The Vanguard Group, Inc.	Brown Brothers Harriman	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Beneficial Owner	Ordinary – 74,577,648	74,577,648
The Vanguard Group, Inc.	State Street Bank and Trust Company	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Beneficial Owner	Ordinary – 4,117,615	4,117,615

**5. Changes in association**

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

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


**6. Addresses**

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

Name	Address
Vanguard Investments Australia Ltd	Level 34, 2 Southbank Blvd, Southbank 3006 VIC Australia
The Vanguard Group, Inc.	450 Devon Park Drive Wayne, PA 19087 USA Attn: Nick Gould Compliance Manager Vanguard_Fund_Compliance@Vanguard.com

**Signature**

print name Keith Delgado capacity Sr. Compliance Manager

sign here  date 16 May 2017

## Appendix A

To Company  
ACN/ARSN

Scentre Group  
001 671 496

Substantial Holder Name  
ACN/ARSN

The Vanguard Group, Inc.  
N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
19-Feb-16	The Vanguard Group, Inc.	Buy	4.50	Ordinary	157,061	157,061
19-Feb-16	The Vanguard Group, Inc.	Sell	4.50	Ordinary	(25,620)	(25,620)
19-Feb-16	The Vanguard Group, Inc.	Buy	4.51	Ordinary	1,262	1,262
19-Feb-16	The Vanguard Group, Inc.	Buy	4.51	Ordinary	48,318	48,318
22-Feb-16	The Vanguard Group, Inc.	Buy	4.58	Ordinary	87,061	87,061
22-Feb-16	The Vanguard Group, Inc.	Buy	4.56	Ordinary	372	372
23-Feb-16	The Vanguard Group, Inc.	Sell	4.53	Ordinary	(2,240)	(2,240)
24-Feb-16	The Vanguard Group, Inc.	Buy	4.45	Ordinary	10,400	10,400
25-Feb-16	The Vanguard Group, Inc.	Buy	4.44	Ordinary	81,718	81,718
25-Feb-16	The Vanguard Group, Inc.	Sell	4.44	Ordinary	(4,870)	(4,870)
25-Feb-16	The Vanguard Group, Inc.	Sell	4.43	Ordinary	(81,718)	(81,718)
26-Feb-16	The Vanguard Group, Inc.	Buy	4.39	Ordinary	157,328	157,328
29-Feb-16	The Vanguard Group, Inc.	Sell	4.37	Ordinary	(159,143)	(159,143)
29-Feb-16	The Vanguard Group, Inc.	Sell	4.37	Ordinary	(2,730)	(2,730)
29-Feb-16	The Vanguard Group, Inc.	Sell	4.37	Ordinary	(67,119)	(67,119)
01-Mar-16	The Vanguard Group, Inc.	Buy	4.40	Ordinary	157,970	157,970
01-Mar-16	The Vanguard Group, Inc.	Buy	4.49	Ordinary	44,667	44,667
01-Mar-16	The Vanguard Group, Inc.	Buy	4.41	Ordinary	1,129	1,129
01-Mar-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	22,949	22,949
02-Mar-16	The Vanguard Group, Inc.	Buy	4.46	Ordinary	160,191	160,191
02-Mar-16	The Vanguard Group, Inc.	Buy	4.43	Ordinary	31,846	31,846
04-Mar-16	The Vanguard Group, Inc.	Buy	4.32	Ordinary	6,500	6,500
04-Mar-16	The Vanguard Group, Inc.	Buy	4.32	Ordinary	19,143	19,143
04-Mar-16	The Vanguard Group, Inc.	Buy	4.31	Ordinary	18,285	18,285
04-Mar-16	The Vanguard Group, Inc.	Buy	4.31	Ordinary	19,683	19,683
04-Mar-16	The Vanguard Group, Inc.	Buy	4.31	Ordinary	409	409
04-Mar-16	The Vanguard Group, Inc.	Sell	4.31	Ordinary	(18,285)	(18,285)
07-Mar-16	The Vanguard Group, Inc.	Buy	4.27	Ordinary	31,905	31,905
07-Mar-16	The Vanguard Group, Inc.	Sell	4.26	Ordinary	(97,682)	(97,682)
07-Mar-16	The Vanguard Group, Inc.	Buy	4.26	Ordinary	97,682	97,682
08-Mar-16	The Vanguard Group, Inc.	Sell	4.36	Ordinary	(18,800)	(18,800)
08-Mar-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	15,600	15,600
08-Mar-16	The Vanguard Group, Inc.	Buy	4.39	Ordinary	18,800	18,800
08-Mar-16	The Vanguard Group, Inc.	Buy	4.39	Ordinary	5,143	5,143
08-Mar-16	The Vanguard Group, Inc.	Buy	4.31	Ordinary	81,443	81,443
09-Mar-16	The Vanguard Group, Inc.	Buy	4.41	Ordinary	114,858	114,858
10-Mar-16	The Vanguard Group, Inc.	Sell	4.40	Ordinary	(230,300)	(230,300)
10-Mar-16	The Vanguard Group, Inc.	Buy	4.40	Ordinary	242,478	242,478
11-Mar-16	The Vanguard Group, Inc.	Sell	4.44	Ordinary	(216,837)	(216,837)
11-Mar-16	The Vanguard Group, Inc.	Buy	4.44	Ordinary	10,125	10,125
16-Mar-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	18,200	18,200
16-Mar-16	The Vanguard Group, Inc.	Buy	4.35	Ordinary	1,413	1,413
16-Mar-16	The Vanguard Group, Inc.	Buy	4.34	Ordinary	9,973	9,973
17-Mar-16	The Vanguard Group, Inc.	Buy	4.39	Ordinary	19,143	19,143
17-Mar-16	The Vanguard Group, Inc.	Sell	4.38	Ordinary	(180,876)	(180,876)
18-Mar-16	The Vanguard Group, Inc.	Sell	4.36	Ordinary	(35,239)	(35,239)
18-Mar-16	The Vanguard Group, Inc.	Sell	4.35	Ordinary	(450,603)	(450,603)
18-Mar-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	81,439	81,439
18-Mar-16	The Vanguard Group, Inc.	Sell	4.36	Ordinary	(73,623)	(73,623)
18-Mar-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	1,405	1,405
18-Mar-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	17,707	17,707
18-Mar-16	The Vanguard Group, Inc.	Sell	4.36	Ordinary	(1,906)	(1,906)
21-Mar-16	The Vanguard Group, Inc.	Buy	4.34	Ordinary	35,069	35,069
23-Mar-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	23,469	23,469
23-Mar-16	The Vanguard Group, Inc.	Buy	4.34	Ordinary	22,107	22,107
24-Mar-16	The Vanguard Group, Inc.	Buy	4.34	Ordinary	19,500	19,500
24-Mar-16	The Vanguard Group, Inc.	Buy	4.34	Ordinary	43,273	43,273
24-Mar-16	The Vanguard Group, Inc.	Buy	4.33	Ordinary	22,004	22,004
29-Mar-16	The Vanguard Group, Inc.	Buy	4.35	Ordinary	30,729	30,729
29-Mar-16	The Vanguard Group, Inc.	Buy	4.35	Ordinary	46,812	46,812
29-Mar-16	The Vanguard Group, Inc.	Buy	4.32	Ordinary	31,905	31,905
30-Mar-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	76,898	76,898
31-Mar-16	The Vanguard Group, Inc.	Buy	4.44	Ordinary	8,554	8,554
01-Apr-16	The Vanguard Group, Inc.	Buy	4.38	Ordinary	12,696	12,696

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
01-Apr-16	The Vanguard Group, Inc.	Buy	4.35	Ordinary	22,325	22,325
04-Apr-16	The Vanguard Group, Inc.	Buy	4.35	Ordinary	1,254	1,254
04-Apr-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	6,246	6,246
05-Apr-16	The Vanguard Group, Inc.	Buy	4.35	Ordinary	198,300	198,300
05-Apr-16	The Vanguard Group, Inc.	Buy	4.31	Ordinary	10,400	10,400
05-Apr-16	The Vanguard Group, Inc.	Buy	4.31	Ordinary	315,570	315,570
05-Apr-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	53,069	53,069
05-Apr-16	The Vanguard Group, Inc.	Buy	4.33	Ordinary	9,323	9,323
06-Apr-16	The Vanguard Group, Inc.	Buy	4.35	Ordinary	155,536	155,536
07-Apr-16	The Vanguard Group, Inc.	Buy	4.41	Ordinary	153,199	153,199
07-Apr-16	The Vanguard Group, Inc.	Buy	4.41	Ordinary	25,812	25,812
08-Apr-16	The Vanguard Group, Inc.	Buy	4.43	Ordinary	473,355	473,355
08-Apr-16	The Vanguard Group, Inc.	Buy	4.39	Ordinary	30,123	30,123
12-Apr-16	The Vanguard Group, Inc.	Sell	4.40	Ordinary	(2,980)	(2,980)
12-Apr-16	The Vanguard Group, Inc.	Buy	4.47	Ordinary	1,146	1,146
13-Apr-16	The Vanguard Group, Inc.	Sell	4.45	Ordinary	(29,611)	(29,611)
13-Apr-16	The Vanguard Group, Inc.	Buy	4.45	Ordinary	148,067	148,067
13-Apr-16	The Vanguard Group, Inc.	Buy	4.55	Ordinary	38,286	38,286
19-Apr-16	The Vanguard Group, Inc.	Buy	4.62	Ordinary	76,572	76,572
19-Apr-16	The Vanguard Group, Inc.	Buy	4.62	Ordinary	11,445	11,445
20-Apr-16	The Vanguard Group, Inc.	Buy	4.61	Ordinary	918	918
21-Apr-16	The Vanguard Group, Inc.	Buy	4.63	Ordinary	1,613	1,613
22-Apr-16	The Vanguard Group, Inc.	Buy	4.53	Ordinary	6,500	6,500
22-Apr-16	The Vanguard Group, Inc.	Sell	4.50	Ordinary	(2,776)	(2,776)
22-Apr-16	The Vanguard Group, Inc.	Buy	4.53	Ordinary	2,211	2,211
26-Apr-16	The Vanguard Group, Inc.	Buy	4.61	Ordinary	597	597
26-Apr-16	The Vanguard Group, Inc.	Buy	4.59	Ordinary	2,624	2,624
26-Apr-16	The Vanguard Group, Inc.	Buy	4.59	Ordinary	649	649
27-Apr-16	The Vanguard Group, Inc.	Buy	4.67	Ordinary	25,345	25,345
27-Apr-16	The Vanguard Group, Inc.	Buy	4.66	Ordinary	68,410	68,410
28-Apr-16	The Vanguard Group, Inc.	Buy	4.69	Ordinary	15,600	15,600
28-Apr-16	The Vanguard Group, Inc.	Buy	4.69	Ordinary	7,800	7,800
28-Apr-16	The Vanguard Group, Inc.	Sell	4.67	Ordinary	(479,325)	(479,325)
28-Apr-16	The Vanguard Group, Inc.	Buy	4.72	Ordinary	23,990	23,990
28-Apr-16	The Vanguard Group, Inc.	Buy	4.70	Ordinary	10,125	10,125
02-May-16	The Vanguard Group, Inc.	Buy	4.71	Ordinary	10,400	10,400
02-May-16	The Vanguard Group, Inc.	Buy	4.71	Ordinary	189,342	189,342
04-May-16	The Vanguard Group, Inc.	Buy	4.76	Ordinary	2,757	2,757
05-May-16	The Vanguard Group, Inc.	Sell	4.74	Ordinary	(10,138)	(10,138)
05-May-16	The Vanguard Group, Inc.	Buy	4.76	Ordinary	207,855	207,855
05-May-16	The Vanguard Group, Inc.	Buy	4.75	Ordinary	10,804	10,804
06-May-16	The Vanguard Group, Inc.	Sell	4.70	Ordinary	(30,414)	(30,414)
06-May-16	The Vanguard Group, Inc.	Buy	4.68	Ordinary	1,451	1,451
09-May-16	The Vanguard Group, Inc.	Buy	4.65	Ordinary	63,114	63,114
09-May-16	The Vanguard Group, Inc.	Buy	4.65	Ordinary	33,355	33,355
10-May-16	The Vanguard Group, Inc.	Buy	4.68	Ordinary	151,613	151,613
10-May-16	The Vanguard Group, Inc.	Buy	4.66	Ordinary	853	853
10-May-16	The Vanguard Group, Inc.	Buy	4.68	Ordinary	26,364	26,364
11-May-16	The Vanguard Group, Inc.	Buy	4.69	Ordinary	146,875	146,875
13-May-16	The Vanguard Group, Inc.	Buy	4.62	Ordinary	35,474	35,474
16-May-16	The Vanguard Group, Inc.	Buy	4.67	Ordinary	7,800	7,800
17-May-16	The Vanguard Group, Inc.	Buy	4.69	Ordinary	148,824	148,824
17-May-16	The Vanguard Group, Inc.	Sell	4.66	Ordinary	(3,658)	(3,658)
17-May-16	The Vanguard Group, Inc.	Sell	4.70	Ordinary	(6,890)	(6,890)
18-May-16	The Vanguard Group, Inc.	Buy	4.69	Ordinary	1,324	1,324
19-May-16	The Vanguard Group, Inc.	Buy	4.74	Ordinary	189,714	189,714
20-May-16	The Vanguard Group, Inc.	Buy	4.66	Ordinary	146,573	146,573
23-May-16	The Vanguard Group, Inc.	Buy	4.60	Ordinary	63,114	63,114
24-May-16	The Vanguard Group, Inc.	Buy	4.65	Ordinary	25,524	25,524
24-May-16	The Vanguard Group, Inc.	Buy	4.65	Ordinary	44,667	44,667
25-May-16	The Vanguard Group, Inc.	Buy	4.66	Ordinary	150,545	150,545
25-May-16	The Vanguard Group, Inc.	Sell	4.65	Ordinary	(254,452)	(254,452)
25-May-16	The Vanguard Group, Inc.	Buy	4.64	Ordinary	495	495
26-May-16	The Vanguard Group, Inc.	Buy	4.63	Ordinary	26,905	26,905
31-May-16	The Vanguard Group, Inc.	Sell	4.64	Ordinary	(3,022)	(3,022)
31-May-16	The Vanguard Group, Inc.	Sell	4.64	Ordinary	(22,602)	(22,602)
31-May-16	The Vanguard Group, Inc.	Buy	4.65	Ordinary	7,776	7,776
01-Jun-16	The Vanguard Group, Inc.	Buy	4.61	Ordinary	149,066	149,066
01-Jun-16	The Vanguard Group, Inc.	Buy	4.61	Ordinary	63,114	63,114
01-Jun-16	The Vanguard Group, Inc.	Buy	4.61	Ordinary	23,323	23,323
02-Jun-16	The Vanguard Group, Inc.	Buy	4.61	Ordinary	157,785	157,785
02-Jun-16	The Vanguard Group, Inc.	Buy	4.61	Ordinary	29,621	29,621

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
03-Jun-16	The Vanguard Group, Inc.	Buy	4.63	Ordinary	149,672	149,672
06-Jun-16	The Vanguard Group, Inc.	Buy	4.68	Ordinary	10,400	10,400
06-Jun-16	The Vanguard Group, Inc.	Buy	4.68	Ordinary	178,668	178,668
06-Jun-16	The Vanguard Group, Inc.	Buy	4.67	Ordinary	36,031	36,031
07-Jun-16	The Vanguard Group, Inc.	Buy	4.69	Ordinary	22,206	22,206
08-Jun-16	The Vanguard Group, Inc.	Buy	4.69	Ordinary	89,334	89,334
08-Jun-16	The Vanguard Group, Inc.	Buy	4.65	Ordinary	880	880
10-Jun-16	The Vanguard Group, Inc.	Sell	4.70	Ordinary	(28,915)	(28,915)
10-Jun-16	The Vanguard Group, Inc.	Sell	4.68	Ordinary	(45,621)	(45,621)
14-Jun-16	The Vanguard Group, Inc.	Buy	4.67	Ordinary	1,166	1,166
15-Jun-16	The Vanguard Group, Inc.	Buy	4.70	Ordinary	143,693	143,693
15-Jun-16	The Vanguard Group, Inc.	Buy	4.70	Ordinary	4,895	4,895
15-Jun-16	The Vanguard Group, Inc.	Buy	4.70	Ordinary	34,343	34,343
16-Jun-16	The Vanguard Group, Inc.	Buy	4.73	Ordinary	57,429	57,429
16-Jun-16	The Vanguard Group, Inc.	Sell	4.72	Ordinary	(3,816)	(3,816)
17-Jun-16	The Vanguard Group, Inc.	Buy	4.71	Ordinary	144,054	144,054
17-Jun-16	The Vanguard Group, Inc.	Buy	4.73	Ordinary	552	552
17-Jun-16	The Vanguard Group, Inc.	Buy	4.73	Ordinary	1,165	1,165
22-Jun-16	The Vanguard Group, Inc.	Buy	4.71	Ordinary	31,905	31,905
22-Jun-16	The Vanguard Group, Inc.	Sell	4.72	Ordinary	(67,123)	(67,123)
22-Jun-16	The Vanguard Group, Inc.	Buy	4.72	Ordinary	18,588	18,588
23-Jun-16	The Vanguard Group, Inc.	Buy	4.74	Ordinary	13,284	13,284
27-Jun-16	The Vanguard Group, Inc.	Sell	4.62	Ordinary	(27,891)	(27,891)
27-Jun-16	The Vanguard Group, Inc.	Buy	4.62	Ordinary	20,920	20,920
27-Jun-16	The Vanguard Group, Inc.	Sell	4.80	Ordinary	(5,523)	(5,523)
28-Jun-16	The Vanguard Group, Inc.	Buy	4.77	Ordinary	150,294	150,294
28-Jun-16	The Vanguard Group, Inc.	Buy	4.83	Ordinary	125,040	125,040
28-Jun-16	The Vanguard Group, Inc.	Buy	4.79	Ordinary	993	993
29-Jun-16	The Vanguard Group, Inc.	Buy	4.78	Ordinary	141,781	141,781
29-Jun-16	The Vanguard Group, Inc.	Buy	4.87	Ordinary	63,810	63,810
29-Jun-16	The Vanguard Group, Inc.	Buy	4.83	Ordinary	1,450	1,450
29-Jun-16	The Vanguard Group, Inc.	Sell	4.82	Ordinary	(18,386)	(18,386)
30-Jun-16	The Vanguard Group, Inc.	Buy	4.85	Ordinary	23,254	23,254
01-Jul-16	The Vanguard Group, Inc.	Buy	4.98	Ordinary	268,102	268,102
01-Jul-16	The Vanguard Group, Inc.	Sell	4.92	Ordinary	(1,605)	(1,605)
01-Jul-16	The Vanguard Group, Inc.	Sell	4.92	Ordinary	(1,539)	(1,539)
04-Jul-16	The Vanguard Group, Inc.	Buy	4.99	Ordinary	136,484	136,484
04-Jul-16	The Vanguard Group, Inc.	Buy	4.99	Ordinary	1,552	1,552
04-Jul-16	The Vanguard Group, Inc.	Sell	5.03	Ordinary	(13,174)	(13,174)
05-Jul-16	The Vanguard Group, Inc.	Buy	5.01	Ordinary	51,048	51,048
05-Jul-16	The Vanguard Group, Inc.	Sell	5.02	Ordinary	(9,909)	(9,909)
06-Jul-16	The Vanguard Group, Inc.	Buy	5.00	Ordinary	131,791	131,791
07-Jul-16	The Vanguard Group, Inc.	Buy	5.04	Ordinary	133,353	133,353
07-Jul-16	The Vanguard Group, Inc.	Buy	5.07	Ordinary	18,948	18,948
08-Jul-16	The Vanguard Group, Inc.	Buy	5.10	Ordinary	133,174	133,174
08-Jul-16	The Vanguard Group, Inc.	Sell	5.11	Ordinary	(15,912)	(15,912)
11-Jul-16	The Vanguard Group, Inc.	Buy	5.19	Ordinary	32,071	32,071
11-Jul-16	The Vanguard Group, Inc.	Buy	5.25	Ordinary	287,974	287,974
12-Jul-16	The Vanguard Group, Inc.	Buy	5.23	Ordinary	25,345	25,345
12-Jul-16	The Vanguard Group, Inc.	Sell	5.28	Ordinary	(778)	(778)
12-Jul-16	The Vanguard Group, Inc.	Sell	5.28	Ordinary	(7,304)	(7,304)
12-Jul-16	The Vanguard Group, Inc.	Buy	5.21	Ordinary	279,588	279,588
15-Jul-16	The Vanguard Group, Inc.	Buy	5.16	Ordinary	38,286	38,286
15-Jul-16	The Vanguard Group, Inc.	Buy	5.16	Ordinary	7,916	7,916
15-Jul-16	The Vanguard Group, Inc.	Buy	5.17	Ordinary	335,444	335,444
15-Jul-16	The Vanguard Group, Inc.	Buy	5.16	Ordinary	1,174	1,174
15-Jul-16	The Vanguard Group, Inc.	Buy	5.19	Ordinary	32,266	32,266
18-Jul-16	The Vanguard Group, Inc.	Buy	5.23	Ordinary	20,276	20,276
18-Jul-16	The Vanguard Group, Inc.	Buy	5.18	Ordinary	27,630	27,630
18-Jul-16	The Vanguard Group, Inc.	Buy	5.18	Ordinary	25,563	25,563
19-Jul-16	The Vanguard Group, Inc.	Buy	5.20	Ordinary	51,454	51,454
19-Jul-16	The Vanguard Group, Inc.	Buy	5.20	Ordinary	10,125	10,125
20-Jul-16	The Vanguard Group, Inc.	Sell	5.24	Ordinary	(2,524)	(2,524)
22-Jul-16	The Vanguard Group, Inc.	Buy	5.28	Ordinary	10,138	10,138
22-Jul-16	The Vanguard Group, Inc.	Buy	5.28	Ordinary	10,400	10,400
22-Jul-16	The Vanguard Group, Inc.	Buy	5.28	Ordinary	76,572	76,572
25-Jul-16	The Vanguard Group, Inc.	Buy	5.25	Ordinary	1,217	1,217
27-Jul-16	The Vanguard Group, Inc.	Buy	5.33	Ordinary	89,334	89,334
28-Jul-16	The Vanguard Group, Inc.	Sell	5.34	Ordinary	(2,485)	(2,485)
29-Jul-16	The Vanguard Group, Inc.	Buy	5.36	Ordinary	125,614	125,614
29-Jul-16	The Vanguard Group, Inc.	Buy	5.30	Ordinary	15,600	15,600
29-Jul-16	The Vanguard Group, Inc.	Buy	5.36	Ordinary	43,933	43,933

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
01-Aug-16	The Vanguard Group, Inc.	Buy	5.28	Ordinary	5,588	5,588
03-Aug-16	The Vanguard Group, Inc.	Sell	5.24	Ordinary	(35,137)	(35,137)
04-Aug-16	The Vanguard Group, Inc.	Buy	5.26	Ordinary	51,048	51,048
04-Aug-16	The Vanguard Group, Inc.	Buy	5.26	Ordinary	51,048	51,048
04-Aug-16	The Vanguard Group, Inc.	Buy	5.26	Ordinary	1,257	1,257
05-Aug-16	The Vanguard Group, Inc.	Buy	5.24	Ordinary	129,800	129,800
05-Aug-16	The Vanguard Group, Inc.	Buy	5.24	Ordinary	25,216	25,216
08-Aug-16	The Vanguard Group, Inc.	Buy	5.28	Ordinary	18,885	18,885
09-Aug-16	The Vanguard Group, Inc.	Buy	5.13	Ordinary	9,100	9,100
09-Aug-16	The Vanguard Group, Inc.	Sell	5.18	Ordinary	(2,522)	(2,522)
11-Aug-16	The Vanguard Group, Inc.	Buy	5.11	Ordinary	25,403	25,403
11-Aug-16	The Vanguard Group, Inc.	Buy	5.15	Ordinary	10,125	10,125
12-Aug-16	The Vanguard Group, Inc.	Buy	5.01	Ordinary	7,800	7,800
12-Aug-16	The Vanguard Group, Inc.	Buy	5.08	Ordinary	49,342	49,342
12-Aug-16	The Vanguard Group, Inc.	Buy	5.01	Ordinary	12,685	12,685
15-Aug-16	The Vanguard Group, Inc.	Buy	5.05	Ordinary	44,667	44,667
16-Aug-16	The Vanguard Group, Inc.	Buy	5.03	Ordinary	102,096	102,096
16-Aug-16	The Vanguard Group, Inc.	Buy	5.04	Ordinary	10,090	10,090
18-Aug-16	The Vanguard Group, Inc.	Buy	5.04	Ordinary	1,409	1,409
19-Aug-16	The Vanguard Group, Inc.	Buy	5.04	Ordinary	10,138	10,138
19-Aug-16	The Vanguard Group, Inc.	Buy	5.04	Ordinary	10,138	10,138
19-Aug-16	The Vanguard Group, Inc.	Buy	5.04	Ordinary	343,860	343,860
23-Aug-16	The Vanguard Group, Inc.	Buy	5.06	Ordinary	5,069	5,069
24-Aug-16	The Vanguard Group, Inc.	Buy	5.09	Ordinary	4,154	4,154
25-Aug-16	The Vanguard Group, Inc.	Buy	5.14	Ordinary	62,520	62,520
26-Aug-16	The Vanguard Group, Inc.	Buy	5.06	Ordinary	129,066	129,066
26-Aug-16	The Vanguard Group, Inc.	Buy	5.06	Ordinary	29,474	29,474
26-Aug-16	The Vanguard Group, Inc.	Buy	5.06	Ordinary	16,572	16,572
30-Aug-16	The Vanguard Group, Inc.	Sell	4.99	Ordinary	(2,603)	(2,603)
01-Sep-16	The Vanguard Group, Inc.	Buy	4.95	Ordinary	5,291	5,291
01-Sep-16	The Vanguard Group, Inc.	Sell	4.97	Ordinary	(2,227)	(2,227)
01-Sep-16	The Vanguard Group, Inc.	Buy	4.96	Ordinary	10,125	10,125
02-Sep-16	The Vanguard Group, Inc.	Buy	4.90	Ordinary	38,286	38,286
05-Sep-16	The Vanguard Group, Inc.	Buy	4.90	Ordinary	133,841	133,841
05-Sep-16	The Vanguard Group, Inc.	Buy	4.90	Ordinary	29,045	29,045
06-Sep-16	The Vanguard Group, Inc.	Buy	4.84	Ordinary	42,013	42,013
07-Sep-16	The Vanguard Group, Inc.	Buy	4.84	Ordinary	31,333	31,333
07-Sep-16	The Vanguard Group, Inc.	Buy	4.67	Ordinary	8,583	8,583
08-Sep-16	The Vanguard Group, Inc.	Buy	4.72	Ordinary	10,138	10,138
08-Sep-16	The Vanguard Group, Inc.	Buy	4.73	Ordinary	4,037	4,037
08-Sep-16	The Vanguard Group, Inc.	Buy	4.73	Ordinary	1,280	1,280
08-Sep-16	The Vanguard Group, Inc.	Buy	4.73	Ordinary	5,911	5,911
09-Sep-16	The Vanguard Group, Inc.	Buy	4.59	Ordinary	44,509	44,509
09-Sep-16	The Vanguard Group, Inc.	Sell	4.68	Ordinary	(2,788)	(2,788)
09-Sep-16	The Vanguard Group, Inc.	Sell	4.59	Ordinary	(44,509)	(44,509)
09-Sep-16	The Vanguard Group, Inc.	Buy	4.59	Ordinary	10,125	10,125
09-Sep-16	The Vanguard Group, Inc.	Buy	4.59	Ordinary	12,006	12,006
16-Sep-16	The Vanguard Group, Inc.	Sell	4.59	Ordinary	(367,321)	(367,321)
16-Sep-16	The Vanguard Group, Inc.	Sell	4.59	Ordinary	(43,709)	(43,709)
16-Sep-16	The Vanguard Group, Inc.	Buy	4.59	Ordinary	20,848	20,848
16-Sep-16	The Vanguard Group, Inc.	Sell	4.59	Ordinary	(602,896)	(602,896)
16-Sep-16	The Vanguard Group, Inc.	Sell	4.59	Ordinary	(36,265)	(36,265)
16-Sep-16	The Vanguard Group, Inc.	Sell	4.59	Ordinary	(1,120)	(1,120)
20-Sep-16	The Vanguard Group, Inc.	Buy	4.56	Ordinary	145,554	145,554
20-Sep-16	The Vanguard Group, Inc.	Buy	4.53	Ordinary	38,286	38,286
20-Sep-16	The Vanguard Group, Inc.	Buy	4.56	Ordinary	2,650	2,650
20-Sep-16	The Vanguard Group, Inc.	Buy	4.54	Ordinary	4,354	4,354
20-Sep-16	The Vanguard Group, Inc.	Buy	4.55	Ordinary	10,125	10,125
20-Sep-16	The Vanguard Group, Inc.	Buy	4.54	Ordinary	28,757	28,757
20-Sep-16	The Vanguard Group, Inc.	Sell	4.54	Ordinary	(5,477)	(5,477)
21-Sep-16	The Vanguard Group, Inc.	Buy	4.57	Ordinary	144,100	144,100
21-Sep-16	The Vanguard Group, Inc.	Buy	4.59	Ordinary	63,810	63,810
21-Sep-16	The Vanguard Group, Inc.	Sell	4.57	Ordinary	(335,444)	(335,444)
21-Sep-16	The Vanguard Group, Inc.	Buy	4.57	Ordinary	17,744	17,744
23-Sep-16	The Vanguard Group, Inc.	Buy	4.74	Ordinary	61,718	61,718
23-Sep-16	The Vanguard Group, Inc.	Buy	4.73	Ordinary	90,924	90,924
23-Sep-16	The Vanguard Group, Inc.	Sell	4.74	Ordinary	(61,718)	(61,718)
23-Sep-16	The Vanguard Group, Inc.	Buy	4.74	Ordinary	1,841	1,841
26-Sep-16	The Vanguard Group, Inc.	Buy	4.80	Ordinary	8,595	8,595
27-Sep-16	The Vanguard Group, Inc.	Buy	4.79	Ordinary	44,667	44,667
27-Sep-16	The Vanguard Group, Inc.	Sell	4.76	Ordinary	(22,329)	(22,329)
27-Sep-16	The Vanguard Group, Inc.	Buy	4.79	Ordinary	151,540	151,540

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
27-Sep-16	The Vanguard Group, Inc.	Buy	4.79	Ordinary	5,640	5,640
28-Sep-16	The Vanguard Group, Inc.	Buy	4.76	Ordinary	136,371	136,371
28-Sep-16	The Vanguard Group, Inc.	Buy	4.76	Ordinary	2,324	2,324
03-Oct-16	The Vanguard Group, Inc.	Buy	4.75	Ordinary	63,810	63,810
03-Oct-16	The Vanguard Group, Inc.	Buy	4.76	Ordinary	3,777	3,777
03-Oct-16	The Vanguard Group, Inc.	Sell	4.74	Ordinary	(2,491)	(2,491)
04-Oct-16	The Vanguard Group, Inc.	Buy	4.68	Ordinary	143,263	143,263
04-Oct-16	The Vanguard Group, Inc.	Buy	4.68	Ordinary	38,749	38,749
04-Oct-16	The Vanguard Group, Inc.	Buy	4.68	Ordinary	20,844	20,844
04-Oct-16	The Vanguard Group, Inc.	Buy	4.68	Ordinary	554	554
07-Oct-16	The Vanguard Group, Inc.	Buy	4.61	Ordinary	29,366	29,366
11-Oct-16	The Vanguard Group, Inc.	Buy	4.48	Ordinary	146,192	146,192
12-Oct-16	The Vanguard Group, Inc.	Sell	4.50	Ordinary	(3,067)	(3,067)
12-Oct-16	The Vanguard Group, Inc.	Buy	4.50	Ordinary	29,100	29,100
12-Oct-16	The Vanguard Group, Inc.	Buy	4.51	Ordinary	201,971	201,971
13-Oct-16	The Vanguard Group, Inc.	Buy	4.51	Ordinary	20,276	20,276
13-Oct-16	The Vanguard Group, Inc.	Buy	4.51	Ordinary	35,483	35,483
13-Oct-16	The Vanguard Group, Inc.	Sell	4.47	Ordinary	(194,041)	(194,041)
14-Oct-16	The Vanguard Group, Inc.	Buy	4.52	Ordinary	67,710	67,710
18-Oct-16	The Vanguard Group, Inc.	Buy	4.42	Ordinary	50,690	50,690
18-Oct-16	The Vanguard Group, Inc.	Buy	4.41	Ordinary	150,828	150,828
18-Oct-16	The Vanguard Group, Inc.	Buy	4.42	Ordinary	44,667	44,667
19-Oct-16	The Vanguard Group, Inc.	Buy	4.46	Ordinary	15,207	15,207
19-Oct-16	The Vanguard Group, Inc.	Buy	4.46	Ordinary	40,573	40,573
20-Oct-16	The Vanguard Group, Inc.	Sell	4.42	Ordinary	(47,892)	(47,892)
21-Oct-16	The Vanguard Group, Inc.	Buy	4.40	Ordinary	63,810	63,810
24-Oct-16	The Vanguard Group, Inc.	Sell	4.31	Ordinary	(137,048)	(137,048)
25-Oct-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	108,477	108,477
26-Oct-16	The Vanguard Group, Inc.	Buy	4.29	Ordinary	132,072	132,072
27-Oct-16	The Vanguard Group, Inc.	Buy	4.26	Ordinary	149,897	149,897
27-Oct-16	The Vanguard Group, Inc.	Buy	4.19	Ordinary	63,810	63,810
27-Oct-16	The Vanguard Group, Inc.	Buy	4.20	Ordinary	104,052	104,052
28-Oct-16	The Vanguard Group, Inc.	Buy	4.16	Ordinary	82,429	82,429
31-Oct-16	The Vanguard Group, Inc.	Sell	4.21	Ordinary	(146,763)	(146,763)
31-Oct-16	The Vanguard Group, Inc.	Buy	4.21	Ordinary	22,200	22,200
01-Nov-16	The Vanguard Group, Inc.	Sell	4.21	Ordinary	(3,142)	(3,142)
01-Nov-16	The Vanguard Group, Inc.	Buy	4.24	Ordinary	17,158	17,158
03-Nov-16	The Vanguard Group, Inc.	Buy	4.27	Ordinary	153,958	153,958
03-Nov-16	The Vanguard Group, Inc.	Buy	4.25	Ordinary	151,540	151,540
03-Nov-16	The Vanguard Group, Inc.	Buy	4.26	Ordinary	2,342	2,342
04-Nov-16	The Vanguard Group, Inc.	Buy	4.34	Ordinary	51,048	51,048
04-Nov-16	The Vanguard Group, Inc.	Sell	4.30	Ordinary	(3,031)	(3,031)
04-Nov-16	The Vanguard Group, Inc.	Buy	4.34	Ordinary	90,924	90,924
07-Nov-16	The Vanguard Group, Inc.	Buy	4.35	Ordinary	94,992	94,992
07-Nov-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	4,221	4,221
07-Nov-16	The Vanguard Group, Inc.	Sell	4.33	Ordinary	(248,278)	(248,278)
08-Nov-16	The Vanguard Group, Inc.	Buy	4.28	Ordinary	3,708	3,708
08-Nov-16	The Vanguard Group, Inc.	Sell	4.31	Ordinary	(6,442)	(6,442)
10-Nov-16	The Vanguard Group, Inc.	Buy	4.20	Ordinary	151,393	151,393
10-Nov-16	The Vanguard Group, Inc.	Buy	4.17	Ordinary	151,540	151,540
11-Nov-16	The Vanguard Group, Inc.	Buy	4.09	Ordinary	145,953	145,953
14-Nov-16	The Vanguard Group, Inc.	Buy	4.09	Ordinary	29,348	29,348
15-Nov-16	The Vanguard Group, Inc.	Buy	4.07	Ordinary	161,760	161,760
15-Nov-16	The Vanguard Group, Inc.	Buy	4.06	Ordinary	1,067	1,067
16-Nov-16	The Vanguard Group, Inc.	Buy	4.07	Ordinary	205,902	205,902
16-Nov-16	The Vanguard Group, Inc.	Sell	4.06	Ordinary	(1,151,704)	(1,151,704)
16-Nov-16	The Vanguard Group, Inc.	Sell	4.06	Ordinary	(131,211)	(131,211)
17-Nov-16	The Vanguard Group, Inc.	Buy	4.06	Ordinary	182,139	182,139
17-Nov-16	The Vanguard Group, Inc.	Sell	4.12	Ordinary	(90,924)	(90,924)
17-Nov-16	The Vanguard Group, Inc.	Buy	4.11	Ordinary	51,557	51,557
18-Nov-16	The Vanguard Group, Inc.	Buy	4.11	Ordinary	2,985	2,985
21-Nov-16	The Vanguard Group, Inc.	Buy	4.12	Ordinary	51,048	51,048
21-Nov-16	The Vanguard Group, Inc.	Buy	4.12	Ordinary	76,572	76,572
21-Nov-16	The Vanguard Group, Inc.	Sell	4.12	Ordinary	(181,848)	(181,848)
21-Nov-16	The Vanguard Group, Inc.	Buy	4.12	Ordinary	10,125	10,125
21-Nov-16	The Vanguard Group, Inc.	Sell	4.12	Ordinary	(42,505)	(42,505)
22-Nov-16	The Vanguard Group, Inc.	Buy	4.15	Ordinary	204,620	204,620
22-Nov-16	The Vanguard Group, Inc.	Sell	4.14	Ordinary	(8,374)	(8,374)
23-Nov-16	The Vanguard Group, Inc.	Buy	4.18	Ordinary	164,722	164,722
23-Nov-16	The Vanguard Group, Inc.	Buy	4.19	Ordinary	63,810	63,810
28-Nov-16	The Vanguard Group, Inc.	Buy	4.17	Ordinary	2,393	2,393
29-Nov-16	The Vanguard Group, Inc.	Buy	4.22	Ordinary	6,500	6,500

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
30-Nov-16	The Vanguard Group, Inc.	Sell	4.24	Ordinary	(90,924)	(90,924)
30-Nov-16	The Vanguard Group, Inc.	Buy	4.24	Ordinary	3,530	3,530
30-Nov-16	The Vanguard Group, Inc.	Buy	4.24	Ordinary	10,125	10,125
30-Nov-16	The Vanguard Group, Inc.	Sell	4.24	Ordinary	(19,011)	(19,011)
01-Dec-16	The Vanguard Group, Inc.	Buy	4.18	Ordinary	159,074	159,074
01-Dec-16	The Vanguard Group, Inc.	Buy	4.13	Ordinary	29,090	29,090
02-Dec-16	The Vanguard Group, Inc.	Buy	4.11	Ordinary	159,606	159,606
02-Dec-16	The Vanguard Group, Inc.	Sell	4.10	Ordinary	(4,879)	(4,879)
02-Dec-16	The Vanguard Group, Inc.	Sell	4.11	Ordinary	(3,944)	(3,944)
02-Dec-16	The Vanguard Group, Inc.	Buy	4.11	Ordinary	33,886	33,886
06-Dec-16	The Vanguard Group, Inc.	Buy	4.24	Ordinary	38,286	38,286
07-Dec-16	The Vanguard Group, Inc.	Buy	4.30	Ordinary	7,800	7,800
08-Dec-16	The Vanguard Group, Inc.	Buy	4.37	Ordinary	63,810	63,810
08-Dec-16	The Vanguard Group, Inc.	Buy	4.37	Ordinary	63,810	63,810
09-Dec-16	The Vanguard Group, Inc.	Buy	4.37	Ordinary	4,933	4,933
13-Dec-16	The Vanguard Group, Inc.	Buy	4.45	Ordinary	63,810	63,810
13-Dec-16	The Vanguard Group, Inc.	Buy	4.45	Ordinary	47,496	47,496
13-Dec-16	The Vanguard Group, Inc.	Buy	4.45	Ordinary	2,682	2,682
14-Dec-16	The Vanguard Group, Inc.	Buy	4.43	Ordinary	51,048	51,048
14-Dec-16	The Vanguard Group, Inc.	Sell	4.43	Ordinary	(60,616)	(60,616)
15-Dec-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	23,748	23,748
15-Dec-16	The Vanguard Group, Inc.	Sell	4.42	Ordinary	(3,002)	(3,002)
16-Dec-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	95,715	95,715
16-Dec-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	44,667	44,667
16-Dec-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	15,643	15,643
16-Dec-16	The Vanguard Group, Inc.	Sell	4.36	Ordinary	(41,893)	(41,893)
16-Dec-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	448	448
16-Dec-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	389	389
16-Dec-16	The Vanguard Group, Inc.	Buy	4.37	Ordinary	7,203	7,203
16-Dec-16	The Vanguard Group, Inc.	Buy	4.36	Ordinary	3,279	3,279
16-Dec-16	The Vanguard Group, Inc.	Sell	4.36	Ordinary	(1,249)	(1,249)
16-Dec-16	The Vanguard Group, Inc.	Sell	4.36	Ordinary	(7,579)	(7,579)
19-Dec-16	The Vanguard Group, Inc.	Sell	4.39	Ordinary	(90,924)	(90,924)
19-Dec-16	The Vanguard Group, Inc.	Buy	4.38	Ordinary	2,242	2,242
20-Dec-16	The Vanguard Group, Inc.	Buy	4.39	Ordinary	28,185	28,185
20-Dec-16	The Vanguard Group, Inc.	Buy	4.38	Ordinary	68,886	68,886
21-Dec-16	The Vanguard Group, Inc.	Buy	4.42	Ordinary	171,035	171,035
21-Dec-16	The Vanguard Group, Inc.	Buy	4.42	Ordinary	11,871	11,871
21-Dec-16	The Vanguard Group, Inc.	Buy	4.42	Ordinary	67,644	67,644
21-Dec-16	The Vanguard Group, Inc.	Buy	4.42	Ordinary	15,734	15,734
21-Dec-16	The Vanguard Group, Inc.	Sell	4.42	Ordinary	(495,091)	(495,091)
21-Dec-16	The Vanguard Group, Inc.	Buy	4.43	Ordinary	1,719	1,719
22-Dec-16	The Vanguard Group, Inc.	Buy	4.47	Ordinary	67,644	67,644
22-Dec-16	The Vanguard Group, Inc.	Buy	4.47	Ordinary	11,274	11,274
22-Dec-16	The Vanguard Group, Inc.	Buy	4.47	Ordinary	16,784	16,784
22-Dec-16	The Vanguard Group, Inc.	Buy	4.47	Ordinary	25,176	25,176
22-Dec-16	The Vanguard Group, Inc.	Buy	4.47	Ordinary	20,980	20,980
22-Dec-16	The Vanguard Group, Inc.	Sell	4.47	Ordinary	(87,369)	(87,369)
22-Dec-16	The Vanguard Group, Inc.	Buy	4.47	Ordinary	53,872	53,872
22-Dec-16	The Vanguard Group, Inc.	Buy	4.47	Ordinary	165,099	165,099
23-Dec-16	The Vanguard Group, Inc.	Buy	4.53	Ordinary	219,579	219,579
23-Dec-16	The Vanguard Group, Inc.	Buy	4.56	Ordinary	22,548	22,548
27-Dec-16	The Vanguard Group, Inc.	Buy	4.57	Ordinary	56,370	56,370
28-Dec-16	The Vanguard Group, Inc.	Sell	4.55	Ordinary	(3,009)	(3,009)
28-Dec-16	The Vanguard Group, Inc.	Sell	4.54	Ordinary	(117,793)	(117,793)
28-Dec-16	The Vanguard Group, Inc.	Sell	4.57	Ordinary	(527)	(527)
29-Dec-16	The Vanguard Group, Inc.	Buy	4.59	Ordinary	159,650	159,650
29-Dec-16	The Vanguard Group, Inc.	Buy	4.60	Ordinary	27,342	27,342
30-Dec-16	The Vanguard Group, Inc.	Buy	4.64	Ordinary	22,548	22,548
30-Dec-16	The Vanguard Group, Inc.	Buy	4.64	Ordinary	1,976	1,976
03-Jan-17	The Vanguard Group, Inc.	Buy	4.69	Ordinary	39,459	39,459
03-Jan-17	The Vanguard Group, Inc.	Buy	4.70	Ordinary	6,603	6,603
03-Jan-17	The Vanguard Group, Inc.	Sell	4.70	Ordinary	(378)	(378)
03-Jan-17	The Vanguard Group, Inc.	Buy	4.70	Ordinary	5,910	5,910
04-Jan-17	The Vanguard Group, Inc.	Buy	4.63	Ordinary	186,799	186,799
04-Jan-17	The Vanguard Group, Inc.	Buy	4.61	Ordinary	63,730	63,730
04-Jan-17	The Vanguard Group, Inc.	Sell	4.67	Ordinary	(16,307)	(16,307)
05-Jan-17	The Vanguard Group, Inc.	Buy	4.61	Ordinary	254,800	254,800
05-Jan-17	The Vanguard Group, Inc.	Buy	4.61	Ordinary	38,238	38,238
05-Jan-17	The Vanguard Group, Inc.	Sell	4.61	Ordinary	(12,588)	(12,588)
05-Jan-17	The Vanguard Group, Inc.	Buy	4.61	Ordinary	263,466	263,466
05-Jan-17	The Vanguard Group, Inc.	Buy	4.61	Ordinary	19,240	19,240



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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
05-Jan-17	The Vanguard Group, Inc.	Sell	4.60	Ordinary	(80,754)	(80,754)
06-Jan-17	The Vanguard Group, Inc.	Buy	4.60	Ordinary	113,102	113,102
06-Jan-17	The Vanguard Group, Inc.	Buy	4.64	Ordinary	585,480	585,480
06-Jan-17	The Vanguard Group, Inc.	Sell	4.64	Ordinary	(3,624)	(3,624)
06-Jan-17	The Vanguard Group, Inc.	Sell	4.56	Ordinary	(39,445)	(39,445)
06-Jan-17	The Vanguard Group, Inc.	Sell	4.64	Ordinary	(123,356)	(123,356)
09-Jan-17	The Vanguard Group, Inc.	Buy	4.68	Ordinary	101,508	101,508
12-Jan-17	The Vanguard Group, Inc.	Sell	4.46	Ordinary	(673,302)	(673,302)
12-Jan-17	The Vanguard Group, Inc.	Buy	4.49	Ordinary	10,125	10,125
12-Jan-17	The Vanguard Group, Inc.	Buy	4.46	Ordinary	704	704
13-Jan-17	The Vanguard Group, Inc.	Buy	4.48	Ordinary	25,377	25,377
13-Jan-17	The Vanguard Group, Inc.	Sell	4.48	Ordinary	(146,370)	(146,370)
13-Jan-17	The Vanguard Group, Inc.	Buy	4.47	Ordinary	2,573	2,573
17-Jan-17	The Vanguard Group, Inc.	Buy	4.44	Ordinary	15,828	15,828
17-Jan-17	The Vanguard Group, Inc.	Buy	4.44	Ordinary	15,828	15,828
17-Jan-17	The Vanguard Group, Inc.	Buy	4.44	Ordinary	59,213	59,213
17-Jan-17	The Vanguard Group, Inc.	Sell	4.44	Ordinary	(175,644)	(175,644)
17-Jan-17	The Vanguard Group, Inc.	Buy	4.44	Ordinary	57,720	57,720
19-Jan-17	The Vanguard Group, Inc.	Buy	4.43	Ordinary	54,078	54,078
23-Jan-17	The Vanguard Group, Inc.	Buy	4.45	Ordinary	262,982	262,982
24-Jan-17	The Vanguard Group, Inc.	Buy	4.47	Ordinary	176,725	176,725
24-Jan-17	The Vanguard Group, Inc.	Buy	4.50	Ordinary	10,552	10,552
24-Jan-17	The Vanguard Group, Inc.	Sell	4.50	Ordinary	(20,980)	(20,980)
25-Jan-17	The Vanguard Group, Inc.	Buy	4.46	Ordinary	147,605	147,605
31-Jan-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	20,536	20,536
01-Feb-17	The Vanguard Group, Inc.	Buy	4.39	Ordinary	43,670	43,670
01-Feb-17	The Vanguard Group, Inc.	Sell	4.39	Ordinary	(2,091)	(2,091)
02-Feb-17	The Vanguard Group, Inc.	Buy	4.40	Ordinary	38,178	38,178
02-Feb-17	The Vanguard Group, Inc.	Buy	4.40	Ordinary	3,960	3,960
03-Feb-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	14,685	14,685
03-Feb-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	84,590	84,590
03-Feb-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	84,590	84,590
03-Feb-17	The Vanguard Group, Inc.	Buy	4.40	Ordinary	105,190	105,190
06-Feb-17	The Vanguard Group, Inc.	Buy	4.38	Ordinary	146,370	146,370
07-Feb-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	117,096	117,096
08-Feb-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	156,067	156,067
08-Feb-17	The Vanguard Group, Inc.	Buy	4.45	Ordinary	7,914	7,914
08-Feb-17	The Vanguard Group, Inc.	Buy	4.45	Ordinary	59,213	59,213
08-Feb-17	The Vanguard Group, Inc.	Buy	4.45	Ordinary	84,590	84,590
08-Feb-17	The Vanguard Group, Inc.	Buy	4.45	Ordinary	15,392	15,392
09-Feb-17	The Vanguard Group, Inc.	Buy	4.56	Ordinary	39,160	39,160
09-Feb-17	The Vanguard Group, Inc.	Buy	4.55	Ordinary	3,248	3,248
09-Feb-17	The Vanguard Group, Inc.	Buy	4.55	Ordinary	791	791
10-Feb-17	The Vanguard Group, Inc.	Buy	4.53	Ordinary	29,370	29,370
10-Feb-17	The Vanguard Group, Inc.	Buy	4.53	Ordinary	101,508	101,508
13-Feb-17	The Vanguard Group, Inc.	Buy	4.44	Ordinary	6,595	6,595
15-Feb-17	The Vanguard Group, Inc.	Buy	4.46	Ordinary	14,685	14,685
15-Feb-17	The Vanguard Group, Inc.	Buy	4.46	Ordinary	7,914	7,914
15-Feb-17	The Vanguard Group, Inc.	Buy	4.46	Ordinary	16,918	16,918
15-Feb-17	The Vanguard Group, Inc.	Sell	4.50	Ordinary	(4,393)	(4,393)
16-Feb-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	206,983	206,983
16-Feb-17	The Vanguard Group, Inc.	Sell	4.47	Ordinary	(2,863)	(2,863)
16-Feb-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	292,740	292,740
16-Feb-17	The Vanguard Group, Inc.	Buy	4.47	Ordinary	50,486	50,486
17-Feb-17	The Vanguard Group, Inc.	Buy	4.50	Ordinary	18,466	18,466
17-Feb-17	The Vanguard Group, Inc.	Buy	4.50	Ordinary	175,644	175,644
17-Feb-17	The Vanguard Group, Inc.	Buy	4.49	Ordinary	730	730
22-Feb-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	84,590	84,590
22-Feb-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	322,014	322,014
22-Feb-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	146,370	146,370
22-Feb-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	3,908	3,908
22-Feb-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	2,660	2,660
22-Feb-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	41,873	41,873
23-Feb-17	The Vanguard Group, Inc.	Buy	4.38	Ordinary	204,918	204,918
23-Feb-17	The Vanguard Group, Inc.	Sell	4.43	Ordinary	(3,077)	(3,077)
24-Feb-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	50,754	50,754
24-Feb-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	29,372	29,372
24-Feb-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	117,096	117,096
28-Feb-17	The Vanguard Group, Inc.	Sell	4.36	Ordinary	(44,442)	(44,442)
01-Mar-17	The Vanguard Group, Inc.	Buy	4.33	Ordinary	227,779	227,779
01-Mar-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	7,914	7,914
01-Mar-17	The Vanguard Group, Inc.	Buy	4.34	Ordinary	2,843	2,843

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
02-Mar-17	The Vanguard Group, Inc.	Buy	4.34	Ordinary	149,861	149,861
02-Mar-17	The Vanguard Group, Inc.	Buy	4.34	Ordinary	5,086	5,086
03-Mar-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	150,037	150,037
03-Mar-17	The Vanguard Group, Inc.	Buy	4.37	Ordinary	118,426	118,426
06-Mar-17	The Vanguard Group, Inc.	Buy	4.37	Ordinary	146,370	146,370
06-Mar-17	The Vanguard Group, Inc.	Sell	4.37	Ordinary	(42,533)	(42,533)
07-Mar-17	The Vanguard Group, Inc.	Buy	4.34	Ordinary	1,534	1,534
07-Mar-17	The Vanguard Group, Inc.	Buy	4.38	Ordinary	2,141	2,141
08-Mar-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	24,475	24,475
08-Mar-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	29,370	29,370
08-Mar-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	246,721	246,721
08-Mar-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	13,190	13,190
08-Mar-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	42,295	42,295
09-Mar-17	The Vanguard Group, Inc.	Buy	4.33	Ordinary	84,590	84,590
09-Mar-17	The Vanguard Group, Inc.	Buy	4.33	Ordinary	62,940	62,940
09-Mar-17	The Vanguard Group, Inc.	Buy	4.33	Ordinary	322,014	322,014
09-Mar-17	The Vanguard Group, Inc.	Buy	4.34	Ordinary	10,125	10,125
10-Mar-17	The Vanguard Group, Inc.	Buy	4.26	Ordinary	11,871	11,871
10-Mar-17	The Vanguard Group, Inc.	Buy	4.26	Ordinary	84,590	84,590
10-Mar-17	The Vanguard Group, Inc.	Buy	4.26	Ordinary	25,377	25,377
10-Mar-17	The Vanguard Group, Inc.	Buy	4.26	Ordinary	57,720	57,720
13-Mar-17	The Vanguard Group, Inc.	Buy	4.15	Ordinary	84,590	84,590
13-Mar-17	The Vanguard Group, Inc.	Buy	4.15	Ordinary	101,508	101,508
13-Mar-17	The Vanguard Group, Inc.	Buy	4.15	Ordinary	12,588	12,588
13-Mar-17	The Vanguard Group, Inc.	Buy	4.15	Ordinary	19,240	19,240
14-Mar-17	The Vanguard Group, Inc.	Buy	4.11	Ordinary	76,131	76,131
14-Mar-17	The Vanguard Group, Inc.	Buy	4.11	Ordinary	84,590	84,590
15-Mar-17	The Vanguard Group, Inc.	Buy	4.15	Ordinary	29,370	29,370
15-Mar-17	The Vanguard Group, Inc.	Buy	4.15	Ordinary	7,914	7,914
15-Mar-17	The Vanguard Group, Inc.	Buy	4.15	Ordinary	8,392	8,392
15-Mar-17	The Vanguard Group, Inc.	Buy	4.15	Ordinary	25,176	25,176
15-Mar-17	The Vanguard Group, Inc.	Buy	4.13	Ordinary	10,125	10,125
15-Mar-17	The Vanguard Group, Inc.	Buy	4.13	Ordinary	156,188	156,188
16-Mar-17	The Vanguard Group, Inc.	Buy	4.24	Ordinary	12,588	12,588
16-Mar-17	The Vanguard Group, Inc.	Buy	4.24	Ordinary	57,720	57,720
16-Mar-17	The Vanguard Group, Inc.	Buy	4.22	Ordinary	1,224,067	1,224,067
17-Mar-17	The Vanguard Group, Inc.	Buy	4.31	Ordinary	50,754	50,754
17-Mar-17	The Vanguard Group, Inc.	Sell	4.31	Ordinary	(131,753)	(131,753)
17-Mar-17	The Vanguard Group, Inc.	Sell	4.31	Ordinary	(39,523)	(39,523)
17-Mar-17	The Vanguard Group, Inc.	Buy	4.31	Ordinary	279,098	279,098
17-Mar-17	The Vanguard Group, Inc.	Buy	4.31	Ordinary	21,484	21,484
20-Mar-17	The Vanguard Group, Inc.	Buy	4.19	Ordinary	23,276	23,276
20-Mar-17	The Vanguard Group, Inc.	Buy	4.19	Ordinary	34,914	34,914
20-Mar-17	The Vanguard Group, Inc.	Buy	4.29	Ordinary	43,284	43,284
20-Mar-17	The Vanguard Group, Inc.	Buy	4.19	Ordinary	27,572	27,572
21-Mar-17	The Vanguard Group, Inc.	Buy	4.11	Ordinary	58,190	58,190
21-Mar-17	The Vanguard Group, Inc.	Buy	4.13	Ordinary	9,553	9,553
21-Mar-17	The Vanguard Group, Inc.	Buy	4.13	Ordinary	13,506	13,506
22-Mar-17	The Vanguard Group, Inc.	Buy	4.14	Ordinary	3,706	3,706
22-Mar-17	The Vanguard Group, Inc.	Buy	4.14	Ordinary	33,829	33,829
23-Mar-17	The Vanguard Group, Inc.	Buy	4.13	Ordinary	25,886	25,886
27-Mar-17	The Vanguard Group, Inc.	Buy	4.26	Ordinary	2,882	2,882
28-Mar-17	The Vanguard Group, Inc.	Buy	4.32	Ordinary	63,883	63,883
29-Mar-17	The Vanguard Group, Inc.	Buy	4.33	Ordinary	10,125	10,125
29-Mar-17	The Vanguard Group, Inc.	Sell	4.36	Ordinary	(41,834)	(41,834)
30-Mar-17	The Vanguard Group, Inc.	Buy	4.38	Ordinary	14,520	14,520
30-Mar-17	The Vanguard Group, Inc.	Sell	4.36	Ordinary	(1,434)	(1,434)
31-Mar-17	The Vanguard Group, Inc.	Buy	4.29	Ordinary	550,798	550,798
31-Mar-17	The Vanguard Group, Inc.	Buy	4.29	Ordinary	7,920	7,920
31-Mar-17	The Vanguard Group, Inc.	Sell	4.29	Ordinary	(86,214)	(86,214)
03-Apr-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	4,963	4,963
03-Apr-17	The Vanguard Group, Inc.	Buy	4.36	Ordinary	10,560	10,560
04-Apr-17	The Vanguard Group, Inc.	Buy	4.39	Ordinary	34,914	34,914
04-Apr-17	The Vanguard Group, Inc.	Buy	4.39	Ordinary	58,190	58,190
04-Apr-17	The Vanguard Group, Inc.	Buy	4.39	Ordinary	320,925	320,925
04-Apr-17	The Vanguard Group, Inc.	Buy	4.39	Ordinary	16,020	16,020
05-Apr-17	The Vanguard Group, Inc.	Buy	4.38	Ordinary	81,466	81,466
05-Apr-17	The Vanguard Group, Inc.	Buy	4.38	Ordinary	29,421	29,421
05-Apr-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	5,240	5,240
05-Apr-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	45,271	45,271
06-Apr-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	14,889	14,889
06-Apr-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	14,520	14,520

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
06-Apr-17	The Vanguard Group, Inc.	Buy	4.40	Ordinary	215,775	215,775
07-Apr-17	The Vanguard Group, Inc.	Buy	4.40	Ordinary	6,035	6,035
07-Apr-17	The Vanguard Group, Inc.	Buy	4.40	Ordinary	77,661	77,661
11-Apr-17	The Vanguard Group, Inc.	Buy	4.40	Ordinary	31,771	31,771
11-Apr-17	The Vanguard Group, Inc.	Buy	4.38	Ordinary	14,520	14,520
11-Apr-17	The Vanguard Group, Inc.	Buy	4.38	Ordinary	12,609	12,609
11-Apr-17	The Vanguard Group, Inc.	Buy	4.37	Ordinary	3,832	3,832
12-Apr-17	The Vanguard Group, Inc.	Buy	4.47	Ordinary	14,889	14,889
12-Apr-17	The Vanguard Group, Inc.	Buy	4.47	Ordinary	29,095	29,095
12-Apr-17	The Vanguard Group, Inc.	Buy	4.47	Ordinary	23,276	23,276
12-Apr-17	The Vanguard Group, Inc.	Buy	4.47	Ordinary	756	756
12-Apr-17	The Vanguard Group, Inc.	Buy	4.47	Ordinary	237,333	237,333
13-Apr-17	The Vanguard Group, Inc.	Buy	4.50	Ordinary	182,120	182,120
19-Apr-17	The Vanguard Group, Inc.	Buy	4.45	Ordinary	146,095	146,095
19-Apr-17	The Vanguard Group, Inc.	Buy	4.38	Ordinary	116,380	116,380
19-Apr-17	The Vanguard Group, Inc.	Sell	4.46	Ordinary	(1,605)	(1,605)
19-Apr-17	The Vanguard Group, Inc.	Buy	4.45	Ordinary	38,401	38,401
20-Apr-17	The Vanguard Group, Inc.	Sell	4.39	Ordinary	(40,063)	(40,063)
21-Apr-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	34,914	34,914
21-Apr-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	145,875	145,875
21-Apr-17	The Vanguard Group, Inc.	Buy	4.42	Ordinary	233,400	233,400
24-Apr-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	10,560	10,560
24-Apr-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	320,925	320,925
24-Apr-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	87,525	87,525
24-Apr-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	5,051	5,051
25-Apr-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	58,190	58,190
25-Apr-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	23,276	23,276
26-Apr-17	The Vanguard Group, Inc.	Buy	4.40	Ordinary	56,070	56,070
26-Apr-17	The Vanguard Group, Inc.	Buy	4.31	Ordinary	7,854	7,854
27-Apr-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	64,080	64,080
27-Apr-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	3,598	3,598
27-Apr-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	25,853	25,853
28-Apr-17	The Vanguard Group, Inc.	Buy	4.31	Ordinary	21,015	21,015
01-May-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	21,015	21,015
01-May-17	The Vanguard Group, Inc.	Buy	4.30	Ordinary	6,857	6,857
02-May-17	The Vanguard Group, Inc.	Buy	4.37	Ordinary	174,982	174,982
02-May-17	The Vanguard Group, Inc.	Buy	4.41	Ordinary	116,380	116,380
02-May-17	The Vanguard Group, Inc.	Buy	4.37	Ordinary	25,154	25,154
03-May-17	The Vanguard Group, Inc.	Buy	4.38	Ordinary	14,520	14,520
03-May-17	The Vanguard Group, Inc.	Buy	4.43	Ordinary	51,301	51,301
04-May-17	The Vanguard Group, Inc.	Buy	4.35	Ordinary	21,120	21,120
04-May-17	The Vanguard Group, Inc.	Buy	4.37	Ordinary	26,963	26,963
04-May-17	The Vanguard Group, Inc.	Buy	4.37	Ordinary	57,685	57,685
05-May-17	The Vanguard Group, Inc.	Buy	4.27	Ordinary	13,200	13,200
05-May-17	The Vanguard Group, Inc.	Buy	4.27	Ordinary	11,638	11,638
05-May-17	The Vanguard Group, Inc.	Buy	4.27	Ordinary	29,421	29,421
08-May-17	The Vanguard Group, Inc.	Buy	4.26	Ordinary	44,667	44,667
08-May-17	The Vanguard Group, Inc.	Buy	4.26	Ordinary	10,125	10,125
08-May-17	The Vanguard Group, Inc.	Buy	4.26	Ordinary	25,950	25,950
09-May-17	The Vanguard Group, Inc.	Buy	4.24	Ordinary	2,289	2,289
09-May-17	The Vanguard Group, Inc.	Buy	4.24	Ordinary	982	982
10-May-17	The Vanguard Group, Inc.	Buy	4.31	Ordinary	34,741	34,741
10-May-17	The Vanguard Group, Inc.	Buy	4.31	Ordinary	104,742	104,742
10-May-17	The Vanguard Group, Inc.	Buy	4.31	Ordinary	146,635	146,635
11-May-17	The Vanguard Group, Inc.	Buy	4.31	Ordinary	164,031	164,031
11-May-17	The Vanguard Group, Inc.	Buy	4.31	Ordinary	48,759	48,759
23-Feb-16	Vanguard Investments Australia Ltd	Buy	4.47	Ordinary	12,350	12,350
23-Feb-16	Vanguard Investments Australia Ltd	Buy	4.47	Ordinary	20,640	20,640
23-Feb-16	Vanguard Investments Australia Ltd	Buy	4.47	Ordinary	162,060	162,060
24-Feb-16	Vanguard Investments Australia Ltd	Buy	4.43	Ordinary	223,440	223,440
26-Feb-16	Vanguard Investments Australia Ltd	Buy	4.42	Ordinary	12,702	12,702
26-Feb-16	Vanguard Investments Australia Ltd	Buy	4.42	Ordinary	1,177,790	1,177,790
29-Feb-16	Vanguard Investments Australia Ltd	Buy	4.37	Ordinary	46,130	46,130
29-Feb-16	Vanguard Investments Australia Ltd	Sell	4.37	Ordinary	(154,882)	(154,882)
29-Feb-16	Vanguard Investments Australia Ltd	Buy	4.37	Ordinary	3,380	3,380
01-Mar-16	Vanguard Investments Australia Ltd	Buy	4.41	Ordinary	5,053	5,053
01-Mar-16	Vanguard Investments Australia Ltd	Buy	4.41	Ordinary	7,780	7,780
04-Mar-16	Vanguard Investments Australia Ltd	Sell	4.33	Ordinary	(1,554,270)	(1,554,270)
07-Mar-16	Vanguard Investments Australia Ltd	Buy	4.26	Ordinary	2,128	2,128
07-Mar-16	Vanguard Investments Australia Ltd	Sell	4.26	Ordinary	(57,150)	(57,150)
07-Mar-16	Vanguard Investments Australia Ltd	Buy	4.26	Ordinary	223,440	223,440
08-Mar-16	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	4,176,851	4,176,851

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
08-Mar-16	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	10,243,350	10,243,350
08-Mar-16	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	2,134,809	2,134,809
11-Mar-16	Vanguard Investments Australia Ltd	Sell	4.44	Ordinary	(641,180)	(641,180)
11-Mar-16	Vanguard Investments Australia Ltd	Sell	4.46	Ordinary	(2,408,360)	(2,408,360)
11-Mar-16	Vanguard Investments Australia Ltd	Buy	4.44	Ordinary	297,920	297,920
11-Mar-16	Vanguard Investments Australia Ltd	Buy	4.44	Ordinary	44,721	44,721
18-Mar-16	Vanguard Investments Australia Ltd	Sell	4.36	Ordinary	(24,687)	(24,687)
18-Mar-16	Vanguard Investments Australia Ltd	Sell	4.36	Ordinary	(6,547)	(6,547)
18-Mar-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	90,560	90,560
18-Mar-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	38,570	38,570
18-Mar-16	Vanguard Investments Australia Ltd	Sell	4.36	Ordinary	(14,432)	(14,432)
18-Mar-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	6,960	6,960
18-Mar-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	37,050	37,050
18-Mar-16	Vanguard Investments Australia Ltd	Sell	4.36	Ordinary	(9,147)	(9,147)
18-Mar-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	606,790	606,790
18-Mar-16	Vanguard Investments Australia Ltd	Sell	4.36	Ordinary	(152,446)	(152,446)
22-Mar-16	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	6,020	6,020
22-Mar-16	Vanguard Investments Australia Ltd	Sell	4.34	Ordinary	(37,701)	(37,701)
22-Mar-16	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	3,411,350	3,411,350
22-Mar-16	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	223,128	223,128
23-Mar-16	Vanguard Investments Australia Ltd	Sell	4.34	Ordinary	(101,140)	(101,140)
30-Mar-16	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	355,852	355,852
30-Mar-16	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	52,771	52,771
31-Mar-16	Vanguard Investments Australia Ltd	Sell	4.44	Ordinary	(22,863)	(22,863)
31-Mar-16	Vanguard Investments Australia Ltd	Buy	4.44	Ordinary	49,552	49,552
31-Mar-16	Vanguard Investments Australia Ltd	Buy	4.44	Ordinary	74,400	74,400
31-Mar-16	Vanguard Investments Australia Ltd	Sell	4.44	Ordinary	(817)	(817)
31-Mar-16	Vanguard Investments Australia Ltd	Sell	4.44	Ordinary	(445,763)	(445,763)
01-Apr-16	Vanguard Investments Australia Ltd	Buy	4.35	Ordinary	11,955	11,955
01-Apr-16	Vanguard Investments Australia Ltd	Buy	4.35	Ordinary	295,216	295,216
01-Apr-16	Vanguard Investments Australia Ltd	Buy	4.35	Ordinary	38,944	38,944
04-Apr-16	Vanguard Investments Australia Ltd	Sell	4.35	Ordinary	(7,829,358)	(7,829,358)
05-Apr-16	Vanguard Investments Australia Ltd	Buy	4.33	Ordinary	17,780	17,780
07-Apr-16	Vanguard Investments Australia Ltd	Buy	4.41	Ordinary	26,910	26,910
11-Apr-16	Vanguard Investments Australia Ltd	Buy	4.44	Ordinary	245,940	245,940
11-Apr-16	Vanguard Investments Australia Ltd	Sell	4.44	Ordinary	(2,636)	(2,636)
11-Apr-16	Vanguard Investments Australia Ltd	Buy	4.44	Ordinary	29,208	29,208
12-Apr-16	Vanguard Investments Australia Ltd	Sell	4.47	Ordinary	(25,792)	(25,792)
13-Apr-16	Vanguard Investments Australia Ltd	Buy	4.53	Ordinary	128,290	128,290
14-Apr-16	Vanguard Investments Australia Ltd	Buy	4.58	Ordinary	3,834,573	3,834,573
14-Apr-16	Vanguard Investments Australia Ltd	Buy	4.58	Ordinary	10,495,026	10,495,026
14-Apr-16	Vanguard Investments Australia Ltd	Sell	4.58	Ordinary	(10,495,026)	(10,495,026)
14-Apr-16	Vanguard Investments Australia Ltd	Sell	4.58	Ordinary	(3,834,573)	(3,834,573)
20-Apr-16	Vanguard Investments Australia Ltd	Buy	4.61	Ordinary	5,758	5,758
21-Apr-16	Vanguard Investments Australia Ltd	Buy	4.52	Ordinary	11,420	11,420
21-Apr-16	Vanguard Investments Australia Ltd	Buy	4.52	Ordinary	2,860,861	2,860,861
21-Apr-16	Vanguard Investments Australia Ltd	Buy	4.52	Ordinary	4,696,934	4,696,934
21-Apr-16	Vanguard Investments Australia Ltd	Buy	4.52	Ordinary	221,448	221,448
21-Apr-16	Vanguard Investments Australia Ltd	Sell	4.52	Ordinary	(4,696,934)	(4,696,934)
21-Apr-16	Vanguard Investments Australia Ltd	Sell	4.52	Ordinary	(2,860,861)	(2,860,861)
22-Apr-16	Vanguard Investments Australia Ltd	Sell	4.53	Ordinary	(36,736)	(36,736)
22-Apr-16	Vanguard Investments Australia Ltd	Buy	4.53	Ordinary	295,264	295,264
28-Apr-16	Vanguard Investments Australia Ltd	Sell	4.70	Ordinary	(7,482)	(7,482)
29-Apr-16	Vanguard Investments Australia Ltd	Sell	4.69	Ordinary	(5,776)	(5,776)
29-Apr-16	Vanguard Investments Australia Ltd	Sell	4.69	Ordinary	(10,951)	(10,951)
29-Apr-16	Vanguard Investments Australia Ltd	Buy	4.69	Ordinary	223,928	223,928
02-May-16	Vanguard Investments Australia Ltd	Sell	4.69	Ordinary	(8,800)	(8,800)
03-May-16	Vanguard Investments Australia Ltd	Buy	4.77	Ordinary	209,140	209,140
05-May-16	Vanguard Investments Australia Ltd	Sell	4.75	Ordinary	(550,018)	(550,018)
06-May-16	Vanguard Investments Australia Ltd	Buy	4.69	Ordinary	1,244,870	1,244,870
09-May-16	Vanguard Investments Australia Ltd	Buy	4.65	Ordinary	22,840	22,840
09-May-16	Vanguard Investments Australia Ltd	Buy	4.65	Ordinary	89,940	89,940
09-May-16	Vanguard Investments Australia Ltd	Buy	4.65	Ordinary	100,230	100,230
09-May-16	Vanguard Investments Australia Ltd	Buy	4.65	Ordinary	216,708	216,708
10-May-16	Vanguard Investments Australia Ltd	Buy	4.71	Ordinary	1,648,450	1,648,450
12-May-16	Vanguard Investments Australia Ltd	Buy	4.57	Ordinary	53,790	53,790
12-May-16	Vanguard Investments Australia Ltd	Buy	4.57	Ordinary	77,350	77,350
13-May-16	Vanguard Investments Australia Ltd	Buy	4.62	Ordinary	144,472	144,472
16-May-16	Vanguard Investments Australia Ltd	Buy	4.64	Ordinary	617,450	617,450
20-May-16	Vanguard Investments Australia Ltd	Buy	4.66	Ordinary	73,680	73,680
23-May-16	Vanguard Investments Australia Ltd	Buy	4.61	Ordinary	288,944	288,944
23-May-16	Vanguard Investments Australia Ltd	Buy	4.61	Ordinary	144,472	144,472

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
24-May-16	Vanguard Investments Australia Ltd	Sell	4.61	Ordinary	(11,588)	(11,588)
24-May-16	Vanguard Investments Australia Ltd	Sell	4.61	Ordinary	(1,572)	(1,572)
25-May-16	Vanguard Investments Australia Ltd	Sell	4.64	Ordinary	(28,436)	(28,436)
25-May-16	Vanguard Investments Australia Ltd	Buy	4.64	Ordinary	1,083,540	1,083,540
30-May-16	Vanguard Investments Australia Ltd	Buy	4.67	Ordinary	184,200	184,200
31-May-16	Vanguard Investments Australia Ltd	Buy	4.66	Ordinary	22,245	22,245
31-May-16	Vanguard Investments Australia Ltd	Sell	4.64	Ordinary	(8,899)	(8,899)
31-May-16	Vanguard Investments Australia Ltd	Sell	4.66	Ordinary	(32,857)	(32,857)
31-May-16	Vanguard Investments Australia Ltd	Sell	4.64	Ordinary	(1,329)	(1,329)
31-May-16	Vanguard Investments Australia Ltd	Buy	4.66	Ordinary	144,472	144,472
02-Jun-16	Vanguard Investments Australia Ltd	Sell	4.59	Ordinary	(10,756)	(10,756)
02-Jun-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	148,560	148,560
07-Jun-16	Vanguard Investments Australia Ltd	Sell	4.64	Ordinary	(427,344)	(427,344)
08-Jun-16	Vanguard Investments Australia Ltd	Buy	4.69	Ordinary	612,440	612,440
09-Jun-16	Vanguard Investments Australia Ltd	Buy	4.70	Ordinary	331,570	331,570
09-Jun-16	Vanguard Investments Australia Ltd	Buy	4.70	Ordinary	144,472	144,472
14-Jun-16	Vanguard Investments Australia Ltd	Sell	4.67	Ordinary	(268,511)	(268,511)
15-Jun-16	Vanguard Investments Australia Ltd	Buy	4.68	Ordinary	115,770	115,770
16-Jun-16	Vanguard Investments Australia Ltd	Buy	4.71	Ordinary	288,944	288,944
16-Jun-16	Vanguard Investments Australia Ltd	Buy	4.71	Ordinary	19,648	19,648
16-Jun-16	Vanguard Investments Australia Ltd	Buy	4.71	Ordinary	29,472	29,472
17-Jun-16	Vanguard Investments Australia Ltd	Sell	4.73	Ordinary	(5,577)	(5,577)
17-Jun-16	Vanguard Investments Australia Ltd	Sell	4.73	Ordinary	(977)	(977)
17-Jun-16	Vanguard Investments Australia Ltd	Sell	4.73	Ordinary	(14,827)	(14,827)
17-Jun-16	Vanguard Investments Australia Ltd	Buy	4.73	Ordinary	48,270	48,270
17-Jun-16	Vanguard Investments Australia Ltd	Sell	4.73	Ordinary	(209,510)	(209,510)
17-Jun-16	Vanguard Investments Australia Ltd	Buy	4.73	Ordinary	129,410	129,410
20-Jun-16	Vanguard Investments Australia Ltd	Buy	4.72	Ordinary	11,823	11,823
21-Jun-16	Vanguard Investments Australia Ltd	Buy	4.72	Ordinary	413,300	413,300
21-Jun-16	Vanguard Investments Australia Ltd	Sell	4.72	Ordinary	(85,229)	(85,229)
22-Jun-16	Vanguard Investments Australia Ltd	Sell	4.72	Ordinary	(16,240)	(16,240)
22-Jun-16	Vanguard Investments Australia Ltd	Buy	4.72	Ordinary	79,940	79,940
23-Jun-16	Vanguard Investments Australia Ltd	Buy	4.73	Ordinary	72,900	72,900
24-Jun-16	Vanguard Investments Australia Ltd	Sell	4.67	Ordinary	(22,577)	(22,577)
24-Jun-16	Vanguard Investments Australia Ltd	Buy	4.67	Ordinary	48,600	48,600
24-Jun-16	Vanguard Investments Australia Ltd	Buy	4.67	Ordinary	63,180	63,180
27-Jun-16	Vanguard Investments Australia Ltd	Sell	4.80	Ordinary	(43,664)	(43,664)
27-Jun-16	Vanguard Investments Australia Ltd	Sell	4.80	Ordinary	(45,344)	(45,344)
28-Jun-16	Vanguard Investments Australia Ltd	Sell	4.79	Ordinary	(8,047)	(8,047)
30-Jun-16	Vanguard Investments Australia Ltd	Buy	4.92	Ordinary	19,002	19,002
30-Jun-16	Vanguard Investments Australia Ltd	Sell	4.92	Ordinary	(1,405)	(1,405)
30-Jun-16	Vanguard Investments Australia Ltd	Buy	4.92	Ordinary	146,256	146,256
30-Jun-16	Vanguard Investments Australia Ltd	Sell	4.92	Ordinary	(950,664)	(950,664)
01-Jul-16	Vanguard Investments Australia Ltd	Buy	4.96	Ordinary	6,663	6,663
01-Jul-16	Vanguard Investments Australia Ltd	Buy	4.97	Ordinary	156,790	156,790
04-Jul-16	Vanguard Investments Australia Ltd	Sell	5.03	Ordinary	(53,548)	(53,548)
06-Jul-16	Vanguard Investments Australia Ltd	Buy	5.01	Ordinary	551,700	551,700
06-Jul-16	Vanguard Investments Australia Ltd	Buy	5.01	Ordinary	19,644	19,644
07-Jul-16	Vanguard Investments Australia Ltd	Buy	5.07	Ordinary	3,240	3,240
08-Jul-16	Vanguard Investments Australia Ltd	Sell	5.11	Ordinary	(11,226)	(11,226)
12-Jul-16	Vanguard Investments Australia Ltd	Buy	5.21	Ordinary	287,368	287,368
12-Jul-16	Vanguard Investments Australia Ltd	Sell	5.21	Ordinary	(260,283)	(260,283)
13-Jul-16	Vanguard Investments Australia Ltd	Buy	5.23	Ordinary	5,330	5,330
19-Jul-16	Vanguard Investments Australia Ltd	Buy	5.20	Ordinary	143,538	143,538
21-Jul-16	Vanguard Investments Australia Ltd	Sell	5.27	Ordinary	(75,616)	(75,616)
21-Jul-16	Vanguard Investments Australia Ltd	Sell	5.26	Ordinary	(1,958,122)	(1,958,122)
21-Jul-16	Vanguard Investments Australia Ltd	Buy	5.26	Ordinary	5,562,720	5,562,720
21-Jul-16	Vanguard Investments Australia Ltd	Sell	5.26	Ordinary	(58,932)	(58,932)
26-Jul-16	Vanguard Investments Australia Ltd	Sell	5.35	Ordinary	(2,344)	(2,344)
26-Jul-16	Vanguard Investments Australia Ltd	Buy	5.35	Ordinary	29,880	29,880
26-Jul-16	Vanguard Investments Australia Ltd	Buy	5.35	Ordinary	897,116	897,116
26-Jul-16	Vanguard Investments Australia Ltd	Buy	5.35	Ordinary	205,098	205,098
27-Jul-16	Vanguard Investments Australia Ltd	Sell	5.33	Ordinary	(49,110)	(49,110)
28-Jul-16	Vanguard Investments Australia Ltd	Buy	5.37	Ordinary	215,307	215,307
29-Jul-16	Vanguard Investments Australia Ltd	Sell	5.31	Ordinary	(10,153)	(10,153)
01-Aug-16	Vanguard Investments Australia Ltd	Sell	5.34	Ordinary	(19,324)	(19,324)
01-Aug-16	Vanguard Investments Australia Ltd	Buy	5.33	Ordinary	20,274	20,274
03-Aug-16	Vanguard Investments Australia Ltd	Buy	5.24	Ordinary	28,900	28,900
03-Aug-16	Vanguard Investments Australia Ltd	Sell	5.24	Ordinary	(218,091)	(218,091)
04-Aug-16	Vanguard Investments Australia Ltd	Buy	5.25	Ordinary	7,505	7,505
05-Aug-16	Vanguard Investments Australia Ltd	Sell	5.21	Ordinary	(151,932)	(151,932)
05-Aug-16	Vanguard Investments Australia Ltd	Buy	5.21	Ordinary	215,307	215,307

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
08-Aug-16	Vanguard Investments Australia Ltd	Buy	5.22	Ordinary	7,957	7,957
08-Aug-16	Vanguard Investments Australia Ltd	Buy	5.23	Ordinary	290,930	290,930
15-Aug-16	Vanguard Investments Australia Ltd	Sell	5.05	Ordinary	(9,770)	(9,770)
16-Aug-16	Vanguard Investments Australia Ltd	Buy	5.04	Ordinary	288,996	288,996
19-Aug-16	Vanguard Investments Australia Ltd	Buy	5.04	Ordinary	144,498	144,498
23-Aug-16	Vanguard Investments Australia Ltd	Buy	5.06	Ordinary	88,320	88,320
26-Aug-16	Vanguard Investments Australia Ltd	Buy	5.06	Ordinary	12,624	12,624
31-Aug-16	Vanguard Investments Australia Ltd	Sell	4.97	Ordinary	(6,527)	(6,527)
31-Aug-16	Vanguard Investments Australia Ltd	Buy	4.97	Ordinary	16,390	16,390
31-Aug-16	Vanguard Investments Australia Ltd	Sell	4.97	Ordinary	(9,522)	(9,522)
31-Aug-16	Vanguard Investments Australia Ltd	Buy	4.97	Ordinary	2,500	2,500
31-Aug-16	Vanguard Investments Australia Ltd	Sell	4.97	Ordinary	(144,498)	(144,498)
31-Aug-16	Vanguard Investments Australia Ltd	Sell	4.97	Ordinary	(29,796)	(29,796)
31-Aug-16	Vanguard Investments Australia Ltd	Buy	4.97	Ordinary	85,490	85,490
01-Sep-16	Vanguard Investments Australia Ltd	Buy	4.95	Ordinary	361,245	361,245
01-Sep-16	Vanguard Investments Australia Ltd	Sell	4.95	Ordinary	(29,796)	(29,796)
02-Sep-16	Vanguard Investments Australia Ltd	Sell	4.89	Ordinary	(144,454)	(144,454)
02-Sep-16	Vanguard Investments Australia Ltd	Buy	4.89	Ordinary	19,864	19,864
07-Sep-16	Vanguard Investments Australia Ltd	Sell	4.68	Ordinary	(1,476,096)	(1,476,096)
08-Sep-16	Vanguard Investments Australia Ltd	Sell	4.73	Ordinary	(94,266)	(94,266)
12-Sep-16	Vanguard Investments Australia Ltd	Buy	4.46	Ordinary	288,908	288,908
12-Sep-16	Vanguard Investments Australia Ltd	Buy	4.46	Ordinary	144,454	144,454
12-Sep-16	Vanguard Investments Australia Ltd	Buy	4.46	Ordinary	29,796	29,796
12-Sep-16	Vanguard Investments Australia Ltd	Buy	4.46	Ordinary	29,796	29,796
16-Sep-16	Vanguard Investments Australia Ltd	Sell	4.59	Ordinary	(32,252)	(32,252)
16-Sep-16	Vanguard Investments Australia Ltd	Sell	4.59	Ordinary	(7,114)	(7,114)
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	221,511	221,511
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	15,150	15,150
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	10,670	10,670
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	68,781	68,781
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	1,890	1,890
16-Sep-16	Vanguard Investments Australia Ltd	Sell	4.59	Ordinary	(7,726)	(7,726)
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	55,280	55,280
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	130,375	130,375
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	130,645	130,645
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	69,495	69,495
16-Sep-16	Vanguard Investments Australia Ltd	Sell	4.59	Ordinary	(9,758)	(9,758)
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	72,990	72,990
16-Sep-16	Vanguard Investments Australia Ltd	Sell	4.59	Ordinary	(1,126,661)	(1,126,661)
16-Sep-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	239,620	239,620
20-Sep-16	Vanguard Investments Australia Ltd	Buy	4.54	Ordinary	267,271	267,271
20-Sep-16	Vanguard Investments Australia Ltd	Buy	4.54	Ordinary	24,730	24,730
21-Sep-16	Vanguard Investments Australia Ltd	Buy	4.58	Ordinary	6,403	6,403
22-Sep-16	Vanguard Investments Australia Ltd	Buy	4.62	Ordinary	39,568	39,568
23-Sep-16	Vanguard Investments Australia Ltd	Sell	4.74	Ordinary	(35,993)	(35,993)
23-Sep-16	Vanguard Investments Australia Ltd	Buy	4.74	Ordinary	286,888	286,888
23-Sep-16	Vanguard Investments Australia Ltd	Sell	4.74	Ordinary	(299,154)	(299,154)
26-Sep-16	Vanguard Investments Australia Ltd	Sell	4.80	Ordinary	(5,718)	(5,718)
27-Sep-16	Vanguard Investments Australia Ltd	Buy	4.79	Ordinary	623,196	623,196
29-Sep-16	Vanguard Investments Australia Ltd	Sell	4.74	Ordinary	(156,965)	(156,965)
29-Sep-16	Vanguard Investments Australia Ltd	Sell	4.74	Ordinary	(730,293)	(730,293)
30-Sep-16	Vanguard Investments Australia Ltd	Sell	4.71	Ordinary	(4,392)	(4,392)
30-Sep-16	Vanguard Investments Australia Ltd	Sell	4.71	Ordinary	(876,270)	(876,270)
30-Sep-16	Vanguard Investments Australia Ltd	Buy	4.70	Ordinary	214,527	214,527
30-Sep-16	Vanguard Investments Australia Ltd	Sell	4.71	Ordinary	(156,850)	(156,850)
30-Sep-16	Vanguard Investments Australia Ltd	Buy	4.70	Ordinary	29,676	29,676
03-Oct-16	Vanguard Investments Australia Ltd	Buy	4.76	Ordinary	15,993	15,993
03-Oct-16	Vanguard Investments Australia Ltd	Sell	4.76	Ordinary	(598,942)	(598,942)
04-Oct-16	Vanguard Investments Australia Ltd	Sell	4.68	Ordinary	(80,211)	(80,211)
05-Oct-16	Vanguard Investments Australia Ltd	Sell	4.56	Ordinary	(4,650)	(4,650)
05-Oct-16	Vanguard Investments Australia Ltd	Buy	4.56	Ordinary	668,693	668,693
05-Oct-16	Vanguard Investments Australia Ltd	Sell	4.56	Ordinary	(159,033)	(159,033)
05-Oct-16	Vanguard Investments Australia Ltd	Buy	4.56	Ordinary	142,030	142,030
05-Oct-16	Vanguard Investments Australia Ltd	Sell	4.56	Ordinary	(732,191)	(732,191)
06-Oct-16	Vanguard Investments Australia Ltd	Buy	4.58	Ordinary	432,499	432,499
07-Oct-16	Vanguard Investments Australia Ltd	Buy	4.61	Ordinary	84,867	84,867
07-Oct-16	Vanguard Investments Australia Ltd	Sell	4.51	Ordinary	(2,374,900)	(2,374,900)
10-Oct-16	Vanguard Investments Australia Ltd	Buy	4.51	Ordinary	43,821	43,821
12-Oct-16	Vanguard Investments Australia Ltd	Buy	4.51	Ordinary	3,981	3,981
14-Oct-16	Vanguard Investments Australia Ltd	Buy	4.49	Ordinary	212,991	212,991
17-Oct-16	Vanguard Investments Australia Ltd	Buy	4.35	Ordinary	49,207	49,207
20-Oct-16	Vanguard Investments Australia Ltd	Buy	4.42	Ordinary	25,890	25,890

## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
21-Oct-16	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	6,590	6,590
21-Oct-16	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	89,831	89,831
21-Oct-16	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	50,100	50,100
21-Oct-16	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	260,899	260,899
24-Oct-16	Vanguard Investments Australia Ltd	Buy	4.32	Ordinary	16,410	16,410
24-Oct-16	Vanguard Investments Australia Ltd	Buy	4.32	Ordinary	62,240	62,240
24-Oct-16	Vanguard Investments Australia Ltd	Buy	4.32	Ordinary	58,160	58,160
24-Oct-16	Vanguard Investments Australia Ltd	Sell	4.30	Ordinary	(2,820,785)	(2,820,785)
24-Oct-16	Vanguard Investments Australia Ltd	Buy	4.31	Ordinary	46,602	46,602
25-Oct-16	Vanguard Investments Australia Ltd	Buy	4.37	Ordinary	283,988	283,988
25-Oct-16	Vanguard Investments Australia Ltd	Buy	4.37	Ordinary	62,136	62,136
27-Oct-16	Vanguard Investments Australia Ltd	Buy	4.20	Ordinary	36,430	36,430
27-Oct-16	Vanguard Investments Australia Ltd	Buy	4.20	Ordinary	769,384	769,384
28-Oct-16	Vanguard Investments Australia Ltd	Buy	4.16	Ordinary	267,311	267,311
28-Oct-16	Vanguard Investments Australia Ltd	Buy	4.16	Ordinary	2,162,064	2,162,064
28-Oct-16	Vanguard Investments Australia Ltd	Buy	4.16	Ordinary	46,602	46,602
31-Oct-16	Vanguard Investments Australia Ltd	Sell	4.21	Ordinary	(95,909)	(95,909)
31-Oct-16	Vanguard Investments Australia Ltd	Buy	4.21	Ordinary	74,060	74,060
31-Oct-16	Vanguard Investments Australia Ltd	Buy	4.21	Ordinary	567,976	567,976
01-Nov-16	Vanguard Investments Australia Ltd	Buy	4.24	Ordinary	283,988	283,988
01-Nov-16	Vanguard Investments Australia Ltd	Buy	4.24	Ordinary	283,988	283,988
02-Nov-16	Vanguard Investments Australia Ltd	Buy	4.30	Ordinary	25,430	25,430
02-Nov-16	Vanguard Investments Australia Ltd	Buy	4.30	Ordinary	709,970	709,970
02-Nov-16	Vanguard Investments Australia Ltd	Buy	4.30	Ordinary	26,155	26,155
03-Nov-16	Vanguard Investments Australia Ltd	Buy	4.26	Ordinary	638,973	638,973
03-Nov-16	Vanguard Investments Australia Ltd	Sell	4.26	Ordinary	(1,148,097)	(1,148,097)
04-Nov-16	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	15,264	15,264
04-Nov-16	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	263,730	263,730
04-Nov-16	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	40,576	40,576
07-Nov-16	Vanguard Investments Australia Ltd	Sell	4.33	Ordinary	(92,798)	(92,798)
08-Nov-16	Vanguard Investments Australia Ltd	Buy	4.31	Ordinary	39,632	39,632
09-Nov-16	Vanguard Investments Australia Ltd	Buy	4.27	Ordinary	4,294	4,294
09-Nov-16	Vanguard Investments Australia Ltd	Buy	4.27	Ordinary	47,034	47,034
10-Nov-16	Vanguard Investments Australia Ltd	Buy	4.17	Ordinary	52,260	52,260
11-Nov-16	Vanguard Investments Australia Ltd	Buy	4.10	Ordinary	125,050	125,050
14-Nov-16	Vanguard Investments Australia Ltd	Buy	4.09	Ordinary	12,128	12,128
14-Nov-16	Vanguard Investments Australia Ltd	Buy	4.09	Ordinary	283,988	283,988
14-Nov-16	Vanguard Investments Australia Ltd	Buy	4.09	Ordinary	116,300	116,300
14-Nov-16	Vanguard Investments Australia Ltd	Sell	4.09	Ordinary	(1,158,037)	(1,158,037)
15-Nov-16	Vanguard Investments Australia Ltd	Buy	4.06	Ordinary	1,430	1,430
16-Nov-16	Vanguard Investments Australia Ltd	Buy	4.06	Ordinary	30,030	30,030
21-Nov-16	Vanguard Investments Australia Ltd	Sell	4.12	Ordinary	(5,906)	(5,906)
21-Nov-16	Vanguard Investments Australia Ltd	Sell	4.12	Ordinary	(1,603,994)	(1,603,994)
21-Nov-16	Vanguard Investments Australia Ltd	Sell	4.12	Ordinary	(366,589)	(366,589)
22-Nov-16	Vanguard Investments Australia Ltd	Buy	4.14	Ordinary	212,991	212,991
24-Nov-16	Vanguard Investments Australia Ltd	Buy	4.16	Ordinary	892,952	892,952
30-Nov-16	Vanguard Investments Australia Ltd	Sell	4.24	Ordinary	(16,753)	(16,753)
30-Nov-16	Vanguard Investments Australia Ltd	Sell	4.24	Ordinary	(11,356)	(11,356)
30-Nov-16	Vanguard Investments Australia Ltd	Buy	4.24	Ordinary	2,410	2,410
01-Dec-16	Vanguard Investments Australia Ltd	Sell	4.13	Ordinary	(13,354)	(13,354)
01-Dec-16	Vanguard Investments Australia Ltd	Sell	4.13	Ordinary	(116,347)	(116,347)
05-Dec-16	Vanguard Investments Australia Ltd	Sell	4.12	Ordinary	(344,931)	(344,931)
05-Dec-16	Vanguard Investments Australia Ltd	Buy	4.12	Ordinary	142,012	142,012
05-Dec-16	Vanguard Investments Australia Ltd	Buy	4.12	Ordinary	355,030	355,030
06-Dec-16	Vanguard Investments Australia Ltd	Sell	4.12	Ordinary	(415,815)	(415,815)
06-Dec-16	Vanguard Investments Australia Ltd	Sell	4.23	Ordinary	(164,207)	(164,207)
12-Dec-16	Vanguard Investments Australia Ltd	Sell	4.40	Ordinary	(919,232)	(919,232)
13-Dec-16	Vanguard Investments Australia Ltd	Buy	4.45	Ordinary	140,814	140,814
16-Dec-16	Vanguard Investments Australia Ltd	Sell	4.36	Ordinary	(24,046)	(24,046)
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	88,931	88,931
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	10,160	10,160
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	8,970	8,970
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	32,284	32,284
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	51,400	51,400
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	36,260	36,260
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	20,610	20,610
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	27,960	27,960
16-Dec-16	Vanguard Investments Australia Ltd	Sell	4.36	Ordinary	(3,499)	(3,499)
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	36,690	36,690
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	549,200	549,200
16-Dec-16	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	177,820	177,820
20-Dec-16	Vanguard Investments Australia Ltd	Buy	4.42	Ordinary	90,214	90,214



## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
20-Dec-16	Vanguard Investments Australia Ltd	Buy	4.42	Ordinary	1,112,453	1,112,453
21-Dec-16	Vanguard Investments Australia Ltd	Sell	4.43	Ordinary	(115,697)	(115,697)
21-Dec-16	Vanguard Investments Australia Ltd	Buy	4.43	Ordinary	141,762	141,762
22-Dec-16	Vanguard Investments Australia Ltd	Sell	4.47	Ordinary	(445,996)	(445,996)
29-Dec-16	Vanguard Investments Australia Ltd	Sell	4.60	Ordinary	(44,693)	(44,693)
29-Dec-16	Vanguard Investments Australia Ltd	Buy	4.59	Ordinary	1,338,230	1,338,230
29-Dec-16	Vanguard Investments Australia Ltd	Buy	4.60	Ordinary	47,304	47,304
30-Dec-16	Vanguard Investments Australia Ltd	Sell	4.64	Ordinary	(8,681)	(8,681)
30-Dec-16	Vanguard Investments Australia Ltd	Sell	4.64	Ordinary	(3,723)	(3,723)
04-Jan-17	Vanguard Investments Australia Ltd	Buy	4.60	Ordinary	7,630	7,630
06-Jan-17	Vanguard Investments Australia Ltd	Buy	4.64	Ordinary	141,864	141,864
11-Jan-17	Vanguard Investments Australia Ltd	Buy	4.55	Ordinary	212,796	212,796
19-Jan-17	Vanguard Investments Australia Ltd	Sell	4.43	Ordinary	(9,569)	(9,569)
19-Jan-17	Vanguard Investments Australia Ltd	Buy	4.43	Ordinary	141,928	141,928
23-Jan-17	Vanguard Investments Australia Ltd	Buy	4.45	Ordinary	41,992	41,992
25-Jan-17	Vanguard Investments Australia Ltd	Buy	4.40	Ordinary	141,928	141,928
27-Jan-17	Vanguard Investments Australia Ltd	Buy	4.45	Ordinary	36,743	36,743
31-Jan-17	Vanguard Investments Australia Ltd	Sell	4.40	Ordinary	(32,663)	(32,663)
31-Jan-17	Vanguard Investments Australia Ltd	Buy	4.40	Ordinary	27,443	27,443
31-Jan-17	Vanguard Investments Australia Ltd	Buy	4.40	Ordinary	212,868	212,868
31-Jan-17	Vanguard Investments Australia Ltd	Buy	4.40	Ordinary	55,110	55,110
31-Jan-17	Vanguard Investments Australia Ltd	Buy	4.40	Ordinary	36,743	36,743
01-Feb-17	Vanguard Investments Australia Ltd	Sell	4.42	Ordinary	(2,588,432)	(2,588,432)
02-Feb-17	Vanguard Investments Australia Ltd	Sell	4.37	Ordinary	(629,880)	(629,880)
03-Feb-17	Vanguard Investments Australia Ltd	Buy	4.40	Ordinary	121,200	121,200
07-Feb-17	Vanguard Investments Australia Ltd	Buy	4.40	Ordinary	141,822	141,822
08-Feb-17	Vanguard Investments Australia Ltd	Buy	4.44	Ordinary	657,416	657,416
09-Feb-17	Vanguard Investments Australia Ltd	Sell	4.55	Ordinary	(22,386)	(22,386)
09-Feb-17	Vanguard Investments Australia Ltd	Buy	4.55	Ordinary	12,412	12,412
09-Feb-17	Vanguard Investments Australia Ltd	Buy	4.54	Ordinary	4,521,057	4,521,057
09-Feb-17	Vanguard Investments Australia Ltd	Buy	4.55	Ordinary	47,241	47,241
13-Feb-17	Vanguard Investments Australia Ltd	Buy	4.43	Ordinary	923,838	923,838
13-Feb-17	Vanguard Investments Australia Ltd	Buy	4.43	Ordinary	143,354	143,354
17-Feb-17	Vanguard Investments Australia Ltd	Sell	4.49	Ordinary	(25,646)	(25,646)
17-Feb-17	Vanguard Investments Australia Ltd	Buy	4.49	Ordinary	286,768	286,768
20-Feb-17	Vanguard Investments Australia Ltd	Sell	4.49	Ordinary	(621,004)	(621,004)
20-Feb-17	Vanguard Investments Australia Ltd	Buy	4.50	Ordinary	143,384	143,384
21-Feb-17	Vanguard Investments Australia Ltd	Sell	4.46	Ordinary	(626,849)	(626,849)
22-Feb-17	Vanguard Investments Australia Ltd	Sell	4.42	Ordinary	(578,632)	(578,632)
23-Feb-17	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	8,089,900	8,089,900
23-Feb-17	Vanguard Investments Australia Ltd	Sell	4.39	Ordinary	(8,089,900)	(8,089,900)
24-Feb-17	Vanguard Investments Australia Ltd	Buy	4.35	Ordinary	143,340	143,340
27-Feb-17	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	4,704	4,704
28-Feb-17	Vanguard Investments Australia Ltd	Sell	4.36	Ordinary	(7,010)	(7,010)
28-Feb-17	Vanguard Investments Australia Ltd	Sell	4.37	Ordinary	(1,107,514)	(1,107,514)
28-Feb-17	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	2,570	2,570
01-Mar-17	Vanguard Investments Australia Ltd	Buy	4.35	Ordinary	7,160	7,160
01-Mar-17	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	9,666	9,666
01-Mar-17	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	36,106	36,106
01-Mar-17	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	37,860	37,860
01-Mar-17	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	67,630	67,630
02-Mar-17	Vanguard Investments Australia Ltd	Buy	4.38	Ordinary	656,760	656,760
03-Mar-17	Vanguard Investments Australia Ltd	Buy	4.36	Ordinary	143,340	143,340
06-Mar-17	Vanguard Investments Australia Ltd	Buy	4.37	Ordinary	26,245	26,245
07-Mar-17	Vanguard Investments Australia Ltd	Buy	4.38	Ordinary	215,010	215,010
09-Mar-17	Vanguard Investments Australia Ltd	Buy	4.34	Ordinary	2,480	2,480
10-Mar-17	Vanguard Investments Australia Ltd	Sell	4.26	Ordinary	(411,390)	(411,390)
10-Mar-17	Vanguard Investments Australia Ltd	Buy	4.26	Ordinary	129,310	129,310
15-Mar-17	Vanguard Investments Australia Ltd	Buy	4.13	Ordinary	143,388	143,388
15-Mar-17	Vanguard Investments Australia Ltd	Buy	4.13	Ordinary	36,743	36,743
17-Mar-17	Vanguard Investments Australia Ltd	Buy	4.31	Ordinary	164,511	164,511
17-Mar-17	Vanguard Investments Australia Ltd	Sell	4.31	Ordinary	(15,350)	(15,350)
17-Mar-17	Vanguard Investments Australia Ltd	Buy	4.31	Ordinary	102,430	102,430
17-Mar-17	Vanguard Investments Australia Ltd	Buy	4.31	Ordinary	13,949	13,949
17-Mar-17	Vanguard Investments Australia Ltd	Sell	4.31	Ordinary	(251,923)	(251,923)
17-Mar-17	Vanguard Investments Australia Ltd	Buy	4.31	Ordinary	43,080	43,080
17-Mar-17	Vanguard Investments Australia Ltd	Buy	4.31	Ordinary	71,694	71,694
17-Mar-17	Vanguard Investments Australia Ltd	Sell	4.31	Ordinary	(686,531)	(686,531)
17-Mar-17	Vanguard Investments Australia Ltd	Buy	4.31	Ordinary	93,180	93,180
21-Mar-17	Vanguard Investments Australia Ltd	Sell	4.13	Ordinary	(108,048)	(108,048)
22-Mar-17	Vanguard Investments Australia Ltd	Sell	4.14	Ordinary	(579,463)	(579,463)
23-Mar-17	Vanguard Investments Australia Ltd	Buy	4.13	Ordinary	141,652	141,652

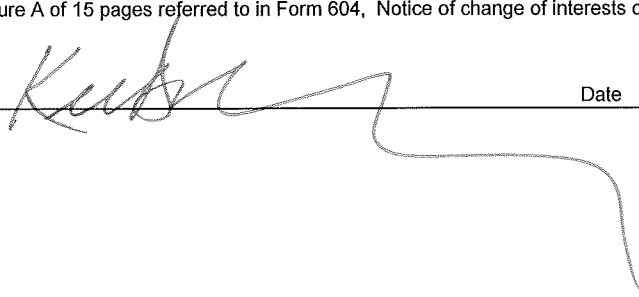


## Appendix A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
23-Mar-17	Vanguard Investments Australia Ltd	Buy	4.13	Ordinary	46,512	46,512
24-Mar-17	Vanguard Investments Australia Ltd	Buy	4.21	Ordinary	631,385	631,385
24-Mar-17	Vanguard Investments Australia Ltd	Sell	4.21	Ordinary	(89,170)	(89,170)
24-Mar-17	Vanguard Investments Australia Ltd	Sell	4.21	Ordinary	(631,385)	(631,385)
27-Mar-17	Vanguard Investments Australia Ltd	Buy	4.26	Ordinary	22,226	22,226
27-Mar-17	Vanguard Investments Australia Ltd	Sell	4.26	Ordinary	(223,167)	(223,167)
28-Mar-17	Vanguard Investments Australia Ltd	Buy	4.32	Ordinary	1,041,352	1,041,352
29-Mar-17	Vanguard Investments Australia Ltd	Buy	4.32	Ordinary	132,730	132,730
31-Mar-17	Vanguard Investments Australia Ltd	Sell	4.29	Ordinary	(4,665)	(4,665)
31-Mar-17	Vanguard Investments Australia Ltd	Sell	4.29	Ordinary	(3,001)	(3,001)
31-Mar-17	Vanguard Investments Australia Ltd	Buy	4.29	Ordinary	283,476	283,476
31-Mar-17	Vanguard Investments Australia Ltd	Sell	4.30	Ordinary	(1,412,904)	(1,412,904)
04-Apr-17	Vanguard Investments Australia Ltd	Buy	4.38	Ordinary	195,668	195,668
04-Apr-17	Vanguard Investments Australia Ltd	Buy	4.38	Ordinary	41,279	41,279
04-Apr-17	Vanguard Investments Australia Ltd	Buy	4.38	Ordinary	40,843	40,843
04-Apr-17	Vanguard Investments Australia Ltd	Buy	4.38	Ordinary	71,793	71,793
05-Apr-17	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	5,390	5,390
05-Apr-17	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	19,280	19,280
05-Apr-17	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	11,940	11,940
05-Apr-17	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	95,620	95,620
05-Apr-17	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	47,500	47,500
05-Apr-17	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	140,142	140,142
05-Apr-17	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	25,515	25,515
06-Apr-17	Vanguard Investments Australia Ltd	Sell	4.40	Ordinary	(2,115,275)	(2,115,275)
06-Apr-17	Vanguard Investments Australia Ltd	Buy	4.40	Ordinary	813,001	813,001
07-Apr-17	Vanguard Investments Australia Ltd	Buy	4.40	Ordinary	532,191	532,191
07-Apr-17	Vanguard Investments Australia Ltd	Buy	4.40	Ordinary	67,950	67,950
10-Apr-17	Vanguard Investments Australia Ltd	Buy	4.41	Ordinary	3,071,039	3,071,039
10-Apr-17	Vanguard Investments Australia Ltd	Buy	4.43	Ordinary	162,740	162,740
11-Apr-17	Vanguard Investments Australia Ltd	Buy	4.37	Ordinary	140,142	140,142
12-Apr-17	Vanguard Investments Australia Ltd	Sell	4.47	Ordinary	(406,963)	(406,963)
13-Apr-17	Vanguard Investments Australia Ltd	Buy	4.51	Ordinary	102,640	102,640
19-Apr-17	Vanguard Investments Australia Ltd	Buy	4.39	Ordinary	40,824	40,824
20-Apr-17	Vanguard Investments Australia Ltd	Buy	4.44	Ordinary	382,507	382,507
21-Apr-17	Vanguard Investments Australia Ltd	Buy	4.45	Ordinary	104,170	104,170
24-Apr-17	Vanguard Investments Australia Ltd	Sell	4.35	Ordinary	(22,287)	(22,287)
26-Apr-17	Vanguard Investments Australia Ltd	Sell	4.40	Ordinary	(38,897)	(38,897)
27-Apr-17	Vanguard Investments Australia Ltd	Buy	4.35	Ordinary	45,927	45,927
28-Apr-17	Vanguard Investments Australia Ltd	Sell	4.31	Ordinary	(2,214)	(2,214)
28-Apr-17	Vanguard Investments Australia Ltd	Sell	4.31	Ordinary	(13,806)	(13,806)
28-Apr-17	Vanguard Investments Australia Ltd	Buy	4.31	Ordinary	350,355	350,355
28-Apr-17	Vanguard Investments Australia Ltd	Buy	4.31	Ordinary	20,412	20,412
01-May-17	Vanguard Investments Australia Ltd	Sell	4.34	Ordinary	(64,298)	(64,298)
01-May-17	Vanguard Investments Australia Ltd	Sell	4.34	Ordinary	(608,170)	(608,170)
02-May-17	Vanguard Investments Australia Ltd	Buy	4.41	Ordinary	96,679	96,679
05-May-17	Vanguard Investments Australia Ltd	Buy	4.25	Ordinary	69,883	69,883
05-May-17	Vanguard Investments Australia Ltd	Buy	4.25	Ordinary	296,364	296,364
05-May-17	Vanguard Investments Australia Ltd	Buy	4.25	Ordinary	73,725	73,725
08-May-17	Vanguard Investments Australia Ltd	Buy	4.26	Ordinary	902	902
08-May-17	Vanguard Investments Australia Ltd	Buy	4.26	Ordinary	176,058	176,058
09-May-17	Vanguard Investments Australia Ltd	Sell	4.24	Ordinary	(15,155)	(15,155)
09-May-17	Vanguard Investments Australia Ltd	Sell	4.24	Ordinary	(67,854)	(67,854)
09-May-17	Vanguard Investments Australia Ltd	Sell	4.24	Ordinary	(141,922)	(141,922)
09-May-17	Vanguard Investments Australia Ltd	Buy	4.24	Ordinary	51,380	51,380
10-May-17	Vanguard Investments Australia Ltd	Buy	4.30	Ordinary	139,766	139,766
11-May-17	Vanguard Investments Australia Ltd	Buy	4.29	Ordinary	176,998	176,998

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

Signature



Date

16-May-17