

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

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

To Company Name/Scheme  
ACN/ARSN

Cromwell Property Group  
001 056 980 and 079 147 809

**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

13 June 2018

The previous notice was given to the company on

01 June 2016

The previous notice was dated

01 June 2016

**2. Previous and present voting power**

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

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary (Vanguard Investments Australia Ltd)	76,759,235	4.380%	96,872,910	4.879%
Ordinary (The Vanguard Group, Inc.)	29,921,239	1.708%	43,861,138	2.209%
<b>Total</b>	<b>106,680,474</b>	<b>6.088%</b>	<b>140,734,048</b>	<b>7.089%</b>

**3. Changes in relevant interests**

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

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected
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	JP Morgan 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 – 96,872,910	96,872,910
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 – 20,031,725	20,031,725
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 – 23,773,467	23,773,467
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 – 55,946	55,946

**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:

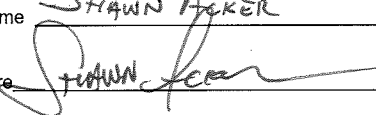
Name and ACN/ARSN (if applicable)	Nature of association
N/A	N/A

**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.	P.O. Box 2600, V26 Valley Forge, PA 19482 USA

**Signature**

print name SHAWN ACKER capacity MANAGER  
sign here  date 15 June 2018

**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  
ACN/ARSN

Cromwell Property Group  
001 056 980 and 079 147 809

Substantial Holder Name  
ACN/ARSN

The Vanguard Group, Inc.  
N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
31-May-16	The Vanguard Group, Inc.	Buy	1.05	Ordinary	20,539	20,539
31-May-16	The Vanguard Group, Inc.	Buy	1.05	Ordinary	462,239	462,239
1-Jun-16	The Vanguard Group, Inc.	Buy	1.05	Ordinary	18,326	18,326
2-Jun-16	The Vanguard Group, Inc.	Buy	1.05	Ordinary	45,815	45,815
6-Jun-16	The Vanguard Group, Inc.	Buy	1.04	Ordinary	38,836	38,836
8-Jun-16	The Vanguard Group, Inc.	Buy	1.06	Ordinary	19,418	19,418
10-Jun-16	The Vanguard Group, Inc.	Sell	1.06	Ordinary	(16,164)	(16,164)
16-Jun-16	The Vanguard Group, Inc.	Buy	1.04	Ordinary	12,483	12,483
17-Jun-16	The Vanguard Group, Inc.	Buy	1.04	Ordinary	645,141	645,141
22-Jun-16	The Vanguard Group, Inc.	Buy	1.05	Ordinary	6,935	6,935
28-Jun-16	The Vanguard Group, Inc.	Buy	1.02	Ordinary	36,652	36,652
29-Jun-16	The Vanguard Group, Inc.	Buy	1.01	Ordinary	13,870	13,870
5-Jul-16	The Vanguard Group, Inc.	Buy	1.01	Ordinary	11,096	11,096
7-Jul-16	The Vanguard Group, Inc.	Buy	1.01	Ordinary	148,309	148,309
12-Jul-16	The Vanguard Group, Inc.	Buy	1.02	Ordinary	8,980	8,980
12-Jul-16	The Vanguard Group, Inc.	Sell	1.02	Ordinary	(6,810)	(6,810)
15-Jul-16	The Vanguard Group, Inc.	Buy	1.06	Ordinary	8,322	8,322
18-Jul-16	The Vanguard Group, Inc.	Buy	1.07	Ordinary	7,184	7,184
22-Jul-16	The Vanguard Group, Inc.	Buy	1.09	Ordinary	3,592	3,592
22-Jul-16	The Vanguard Group, Inc.	Buy	1.09	Ordinary	16,644	16,644
25-Jul-16	The Vanguard Group, Inc.	Buy	1.10	Ordinary	3,182	3,182
27-Jul-16	The Vanguard Group, Inc.	Buy	1.09	Ordinary	19,418	19,418
4-Aug-16	The Vanguard Group, Inc.	Buy	1.10	Ordinary	11,096	11,096
4-Aug-16	The Vanguard Group, Inc.	Buy	1.10	Ordinary	11,096	11,096
15-Aug-16	The Vanguard Group, Inc.	Buy	1.08	Ordinary	9,709	9,709
16-Aug-16	The Vanguard Group, Inc.	Buy	1.08	Ordinary	185,821	185,821
16-Aug-16	The Vanguard Group, Inc.	Buy	1.07	Ordinary	22,192	22,192
19-Aug-16	The Vanguard Group, Inc.	Buy	1.08	Ordinary	3,592	3,592
19-Aug-16	The Vanguard Group, Inc.	Buy	1.08	Ordinary	3,592	3,592
19-Aug-16	The Vanguard Group, Inc.	Buy	1.08	Ordinary	100,793	100,793
23-Aug-16	The Vanguard Group, Inc.	Buy	1.06	Ordinary	1,796	1,796
25-Aug-16	The Vanguard Group, Inc.	Buy	1.06	Ordinary	18,326	18,326
2-Sep-16	The Vanguard Group, Inc.	Buy	1.01	Ordinary	8,322	8,322
6-Sep-16	The Vanguard Group, Inc.	Buy	1.00	Ordinary	19,769	19,769
8-Sep-16	The Vanguard Group, Inc.	Buy	0.99	Ordinary	3,592	3,592
16-Sep-16	The Vanguard Group, Inc.	Buy	0.96	Ordinary	67,835	67,835
16-Sep-16	The Vanguard Group, Inc.	Sell	0.96	Ordinary	(123,130)	(123,130)
20-Sep-16	The Vanguard Group, Inc.	Buy	0.96	Ordinary	8,322	8,322
21-Sep-16	The Vanguard Group, Inc.	Buy	0.96	Ordinary	13,870	13,870
23-Sep-16	The Vanguard Group, Inc.	Buy	0.96	Ordinary	27,489	27,489
27-Sep-16	The Vanguard Group, Inc.	Buy	0.98	Ordinary	9,709	9,709
27-Sep-16	The Vanguard Group, Inc.	Buy	0.98	Ordinary	45,815	45,815
29-Sep-16	The Vanguard Group, Inc.	Buy	0.94	Ordinary	13,620	13,620
3-Oct-16	The Vanguard Group, Inc.	Buy	0.95	Ordinary	13,870	13,870
13-Oct-16	The Vanguard Group, Inc.	Buy	0.93	Ordinary	12,572	12,572
13-Oct-16	The Vanguard Group, Inc.	Buy	0.93	Ordinary	7,184	7,184
18-Oct-16	The Vanguard Group, Inc.	Buy	0.91	Ordinary	17,960	17,960
18-Oct-16	The Vanguard Group, Inc.	Buy	0.91	Ordinary	285,739	285,739
18-Oct-16	The Vanguard Group, Inc.	Buy	0.91	Ordinary	9,709	9,709
18-Oct-16	The Vanguard Group, Inc.	Buy	0.91	Ordinary	13,620	13,620
19-Oct-16	The Vanguard Group, Inc.	Buy	0.91	Ordinary	5,388	5,388
19-Oct-16	The Vanguard Group, Inc.	Buy	0.91	Ordinary	423,073	423,073
21-Oct-16	The Vanguard Group, Inc.	Buy	0.90	Ordinary	13,870	13,870
25-Oct-16	The Vanguard Group, Inc.	Buy	0.90	Ordinary	23,579	23,579
27-Oct-16	The Vanguard Group, Inc.	Buy	0.90	Ordinary	13,870	13,870
31-Oct-16	The Vanguard Group, Inc.	Sell	0.91	Ordinary	(31,901)	(31,901)
2-Nov-16	The Vanguard Group, Inc.	Buy	0.90	Ordinary	13,620	13,620

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
3-Nov-16	The Vanguard Group, Inc.	Buy	0.90	Ordinary	45,815	45,815
4-Nov-16	The Vanguard Group, Inc.	Buy	0.90	Ordinary	11,096	11,096
4-Nov-16	The Vanguard Group, Inc.	Buy	0.90	Ordinary	27,489	27,489
8-Nov-16	The Vanguard Group, Inc.	Buy	0.90	Ordinary	1,696	1,696
10-Nov-16	The Vanguard Group, Inc.	Buy	0.90	Ordinary	45,815	45,815
15-Nov-16	The Vanguard Group, Inc.	Buy	0.89	Ordinary	13,620	13,620
16-Nov-16	The Vanguard Group, Inc.	Sell	0.89	Ordinary	(348,194)	(348,194)
17-Nov-16	The Vanguard Group, Inc.	Sell	0.89	Ordinary	(27,489)	(27,489)
21-Nov-16	The Vanguard Group, Inc.	Buy	0.91	Ordinary	11,096	11,096
21-Nov-16	The Vanguard Group, Inc.	Buy	0.91	Ordinary	16,644	16,644
21-Nov-16	The Vanguard Group, Inc.	Sell	0.91	Ordinary	(54,978)	(54,978)
23-Nov-16	The Vanguard Group, Inc.	Buy	0.91	Ordinary	13,870	13,870
25-Nov-16	The Vanguard Group, Inc.	Buy	0.91	Ordinary	13,620	13,620
30-Nov-16	The Vanguard Group, Inc.	Sell	0.92	Ordinary	(27,489)	(27,489)
6-Dec-16	The Vanguard Group, Inc.	Buy	0.93	Ordinary	8,322	8,322
8-Dec-16	The Vanguard Group, Inc.	Buy	0.95	Ordinary	13,870	13,870
8-Dec-16	The Vanguard Group, Inc.	Buy	0.95	Ordinary	13,870	13,870
13-Dec-16	The Vanguard Group, Inc.	Buy	0.96	Ordinary	13,870	13,870
14-Dec-16	The Vanguard Group, Inc.	Buy	0.98	Ordinary	21,167	21,167
14-Dec-16	The Vanguard Group, Inc.	Buy	0.97	Ordinary	11,096	11,096
14-Dec-16	The Vanguard Group, Inc.	Sell	0.97	Ordinary	(18,326)	(18,326)
16-Dec-16	The Vanguard Group, Inc.	Buy	0.95	Ordinary	20,805	20,805
16-Dec-16	The Vanguard Group, Inc.	Buy	0.95	Ordinary	9,709	9,709
19-Dec-16	The Vanguard Group, Inc.	Sell	0.95	Ordinary	(27,489)	(27,489)
20-Dec-16	The Vanguard Group, Inc.	Buy	0.97	Ordinary	14,430	14,430
21-Dec-16	The Vanguard Group, Inc.	Buy	0.97	Ordinary	355,232	355,232
21-Dec-16	The Vanguard Group, Inc.	Buy	0.97	Ordinary	34,632	34,632
21-Dec-16	The Vanguard Group, Inc.	Sell	0.97	Ordinary	(155,771)	(155,771)
22-Dec-16	The Vanguard Group, Inc.	Buy	0.98	Ordinary	34,632	34,632
22-Dec-16	The Vanguard Group, Inc.	Buy	0.98	Ordinary	5,772	5,772
22-Dec-16	The Vanguard Group, Inc.	Sell	0.98	Ordinary	(27,489)	(27,489)
23-Dec-16	The Vanguard Group, Inc.	Buy	1.00	Ordinary	11,544	11,544
27-Dec-16	The Vanguard Group, Inc.	Buy	1.00	Ordinary	28,860	28,860
28-Dec-16	The Vanguard Group, Inc.	Buy	0.99	Ordinary	13,620	13,620
30-Dec-16	The Vanguard Group, Inc.	Buy	0.98	Ordinary	11,544	11,544
3-Jan-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	20,202	20,202
4-Jan-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	28,860	28,860
5-Jan-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	17,316	17,316
5-Jan-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	82,467	82,467
6-Jan-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	191,657	191,657
6-Jan-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	183,260	183,260
6-Jan-17	The Vanguard Group, Inc.	Sell	0.98	Ordinary	(1,745)	(1,745)
9-Jan-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	34,632	34,632
9-Jan-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	13,620	13,620
12-Jan-17	The Vanguard Group, Inc.	Sell	0.97	Ordinary	(210,749)	(210,749)
13-Jan-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	8,658	8,658
13-Jan-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	13,620	13,620
13-Jan-17	The Vanguard Group, Inc.	Sell	0.98	Ordinary	(45,815)	(45,815)
17-Jan-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	20,202	20,202
17-Jan-17	The Vanguard Group, Inc.	Sell	0.97	Ordinary	(54,978)	(54,978)
25-Jan-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	27,240	27,240
3-Feb-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	6,381	6,381
3-Feb-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	28,860	28,860
3-Feb-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	28,860	28,860
3-Feb-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	20,430	20,430
6-Feb-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	45,815	45,815
7-Feb-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	36,652	36,652
8-Feb-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	28,860	28,860
8-Feb-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	20,202	20,202
9-Feb-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	17,016	17,016
9-Feb-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	27,240	27,240
10-Feb-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	12,762	12,762
10-Feb-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	34,632	34,632
15-Feb-17	The Vanguard Group, Inc.	Buy	1.03	Ordinary	6,381	6,381
15-Feb-17	The Vanguard Group, Inc.	Buy	1.03	Ordinary	5,772	5,772

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
16-Feb-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	91,630	91,630
17-Feb-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	54,978	54,978
22-Feb-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	1,973	1,973
22-Feb-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	28,860	28,860
22-Feb-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	100,793	100,793
22-Feb-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	45,815	45,815
23-Feb-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	64,141	64,141
24-Feb-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	17,316	17,316
24-Feb-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	36,652	36,652
1-Mar-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	279,154	279,154
2-Mar-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	382,195	382,195
3-Mar-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	27,794	27,794
3-Mar-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	40,404	40,404
6-Mar-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	45,815	45,815
8-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	10,635	10,635
8-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	12,762	12,762
8-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	14,430	14,430
9-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	28,860	28,860
9-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	100,793	100,793
9-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	34,050	34,050
10-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	28,860	28,860
10-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	8,658	8,658
13-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	34,632	34,632
13-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	28,860	28,860
14-Mar-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	28,860	28,860
14-Mar-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	25,974	25,974
15-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	12,762	12,762
17-Mar-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	17,316	17,316
17-Mar-17	The Vanguard Group, Inc.	Sell	0.97	Ordinary	(17,316)	(17,316)
20-Mar-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	17,316	17,316
3-Apr-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	2,156	2,156
4-Apr-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	85,844	85,844
6-Apr-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	6,468	6,468
11-Apr-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	14,172	14,172
12-Apr-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	6,468	6,468
12-Apr-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	30,908	30,908
19-Apr-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	30,908	30,908
21-Apr-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	62,432	62,432
21-Apr-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	39,020	39,020
24-Apr-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	23,412	23,412
24-Apr-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	85,844	85,844
2-May-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	38,635	38,635
4-May-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	23,181	23,181
4-May-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	7,727	7,727
5-May-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	101,303	101,303
8-May-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	19,404	19,404
10-May-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	15,092	15,092
10-May-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	39,020	39,020
15-May-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	46,824	46,824
18-May-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	31,216	31,216
18-May-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	38,635	38,635
24-May-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	8,624	8,624
24-May-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	23,181	23,181
2-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	8,624	8,624
2-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	17,248	17,248
2-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	6,468	6,468
5-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	8,624	8,624
5-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	15,608	15,608
5-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	31,216	31,216
6-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	38,635	38,635
9-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	10,780	10,780
9-Jun-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	248,184	248,184
12-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	15,092	15,092
12-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	6,468	6,468
12-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	46,824	46,824

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-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	2,838	2,838
13-Jun-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	3,649	3,649
14-Jun-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	30,908	30,908
19-Jun-17	The Vanguard Group, Inc.	Buy	1.03	Ordinary	8,624	8,624
28-Jun-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	30,908	30,908
28-Jun-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	23,181	23,181
29-Jun-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	85,844	85,844
11-Jul-17	The Vanguard Group, Inc.	Buy	0.92	Ordinary	4,354	4,354
12-Jul-17	The Vanguard Group, Inc.	Buy	0.92	Ordinary	15,239	15,239
12-Jul-17	The Vanguard Group, Inc.	Buy	0.92	Ordinary	31,216	31,216
17-Jul-17	The Vanguard Group, Inc.	Buy	0.92	Ordinary	8,708	8,708
26-Jul-17	The Vanguard Group, Inc.	Buy	0.93	Ordinary	46,824	46,824
2-Aug-17	The Vanguard Group, Inc.	Buy	0.93	Ordinary	19,593	19,593
2-Aug-17	The Vanguard Group, Inc.	Buy	0.93	Ordinary	15,608	15,608
3-Aug-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	46,824	46,824
3-Aug-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	15,454	15,454
4-Aug-17	The Vanguard Group, Inc.	Buy	0.94	Ordinary	23,412	23,412
8-Aug-17	The Vanguard Group, Inc.	Buy	0.93	Ordinary	38,635	38,635
9-Aug-17	The Vanguard Group, Inc.	Buy	0.94	Ordinary	23,181	23,181
14-Aug-17	The Vanguard Group, Inc.	Buy	0.93	Ordinary	6,531	6,531
14-Aug-17	The Vanguard Group, Inc.	Buy	0.93	Ordinary	39,020	39,020
16-Aug-17	The Vanguard Group, Inc.	Buy	0.93	Ordinary	13,062	13,062
21-Aug-17	The Vanguard Group, Inc.	Buy	0.94	Ordinary	46,824	46,824
25-Aug-17	The Vanguard Group, Inc.	Buy	0.94	Ordinary	8,708	8,708
29-Aug-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	46,824	46,824
31-Aug-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	15,608	15,608
1-Sep-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	6,531	6,531
5-Sep-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	23,412	23,412
6-Sep-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	21,770	21,770
6-Sep-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	4,354	4,354
8-Sep-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	23,181	23,181
14-Sep-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	7,804	7,804
15-Sep-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	527,940	527,940
19-Sep-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	177,503	177,503
21-Sep-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	19,734	19,734
25-Sep-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	60,136	60,136
25-Sep-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	88,803	88,803
25-Sep-17	The Vanguard Group, Inc.	Buy	0.95	Ordinary	49,335	49,335
27-Sep-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	6,926	6,926
27-Sep-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	15,034	15,034
27-Sep-17	The Vanguard Group, Inc.	Sell	0.96	Ordinary	(6,926)	(6,926)
29-Sep-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	29,601	29,601
2-Oct-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	22,551	22,551
2-Oct-17	The Vanguard Group, Inc.	Buy	0.96	Ordinary	29,601	29,601
6-Oct-17	The Vanguard Group, Inc.	Buy	0.97	Ordinary	10,885	10,885
12-Oct-17	The Vanguard Group, Inc.	Buy	0.98	Ordinary	60,136	60,136
19-Oct-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	19,734	19,734
20-Oct-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	60,136	60,136
24-Oct-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	280,339	280,339
24-Oct-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	29,601	29,601
25-Oct-17	The Vanguard Group, Inc.	Buy	0.99	Ordinary	371,628	371,628
26-Oct-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	131,298	131,298
31-Oct-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	15,034	15,034
31-Oct-17	The Vanguard Group, Inc.	Buy	1.00	Ordinary	45,102	45,102
1-Nov-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	1,833	1,833
2-Nov-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	30,068	30,068
3-Nov-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	45,102	45,102
8-Nov-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	29,601	29,601
9-Nov-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	10,885	10,885
10-Nov-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	23,947	23,947
10-Nov-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	49,335	49,335
13-Nov-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	60,136	60,136
15-Nov-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	6,531	6,531
15-Nov-17	The Vanguard Group, Inc.	Buy	1.02	Ordinary	30,068	30,068
16-Nov-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	13,062	13,062

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16-Nov-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	19,734	19,734
17-Nov-17	The Vanguard Group, Inc.	Buy	1.01	Ordinary	75,170	75,170
24-Nov-17	The Vanguard Group, Inc.	Buy	1.03	Ordinary	60,136	60,136
30-Nov-17	The Vanguard Group, Inc.	Buy	1.04	Ordinary	54,521	54,521
30-Nov-17	The Vanguard Group, Inc.	Buy	1.04	Ordinary	2,192	2,192
6-Dec-17	The Vanguard Group, Inc.	Sell	1.03	Ordinary	(19,734)	(19,734)
8-Dec-17	The Vanguard Group, Inc.	Buy	1.03	Ordinary	69,489	69,489
8-Dec-17	The Vanguard Group, Inc.	Buy	1.03	Ordinary	23,163	23,163
13-Dec-17	The Vanguard Group, Inc.	Sell	1.04	Ordinary	(29,601)	(29,601)
14-Dec-17	The Vanguard Group, Inc.	Sell	1.04	Ordinary	(19,734)	(19,734)
15-Dec-17	The Vanguard Group, Inc.	Buy	1.04	Ordinary	201,843	201,843
15-Dec-17	The Vanguard Group, Inc.	Buy	1.04	Ordinary	151,387	151,387
15-Dec-17	The Vanguard Group, Inc.	Sell	1.04	Ordinary	(201,843)	(201,843)
20-Dec-17	The Vanguard Group, Inc.	Sell	1.03	Ordinary	(14,986)	(14,986)
21-Dec-17	The Vanguard Group, Inc.	Sell	1.03	Ordinary	(11,356)	(11,356)
29-Dec-17	The Vanguard Group, Inc.	Sell	1.01	Ordinary	(17,034)	(17,034)
2-Jan-18	The Vanguard Group, Inc.	Buy	1.01	Ordinary	18,692	18,692
4-Jan-18	The Vanguard Group, Inc.	Buy	1.02	Ordinary	28,038	28,038
8-Jan-18	The Vanguard Group, Inc.	Buy	1.01	Ordinary	51,604	51,604
16-Jan-18	The Vanguard Group, Inc.	Buy	0.97	Ordinary	2,853	2,853
18-Jan-18	The Vanguard Group, Inc.	Buy	0.99	Ordinary	66,348	66,348
19-Jan-18	The Vanguard Group, Inc.	Buy	1.00	Ordinary	29,488	29,488
23-Jan-18	The Vanguard Group, Inc.	Buy	1.00	Ordinary	44,232	44,232
24-Jan-18	The Vanguard Group, Inc.	Buy	0.98	Ordinary	14,744	14,744
26-Jan-18	The Vanguard Group, Inc.	Buy	0.98	Ordinary	58,976	58,976
2-Feb-18	The Vanguard Group, Inc.	Buy	0.96	Ordinary	58,976	58,976
5-Feb-18	The Vanguard Group, Inc.	Buy	0.96	Ordinary	29,488	29,488
5-Feb-18	The Vanguard Group, Inc.	Sell	0.96	Ordinary	(14,195)	(14,195)
5-Feb-18	The Vanguard Group, Inc.	Sell	0.96	Ordinary	(11,356)	(11,356)
8-Feb-18	The Vanguard Group, Inc.	Sell	0.96	Ordinary	(5,678)	(5,678)
13-Feb-18	The Vanguard Group, Inc.	Buy	0.96	Ordinary	19,408	19,408
14-Feb-18	The Vanguard Group, Inc.	Buy	0.96	Ordinary	3,167	3,167
20-Feb-18	The Vanguard Group, Inc.	Buy	0.96	Ordinary	22,116	22,116
20-Feb-18	The Vanguard Group, Inc.	Sell	0.96	Ordinary	(28,390)	(28,390)
21-Feb-18	The Vanguard Group, Inc.	Sell	0.98	Ordinary	(14,195)	(14,195)
21-Feb-18	The Vanguard Group, Inc.	Sell	0.98	Ordinary	(11,356)	(11,356)
22-Feb-18	The Vanguard Group, Inc.	Sell	0.98	Ordinary	(43,617)	(43,617)
27-Feb-18	The Vanguard Group, Inc.	Sell	1.00	Ordinary	(28,390)	(28,390)
28-Feb-18	The Vanguard Group, Inc.	Buy	1.00	Ordinary	350,523	350,523
28-Feb-18	The Vanguard Group, Inc.	Buy	1.00	Ordinary	28,038	28,038
1-Mar-18	The Vanguard Group, Inc.	Sell	0.99	Ordinary	(31,229)	(31,229)
5-Mar-18	The Vanguard Group, Inc.	Sell	1.02	Ordinary	(66,348)	(66,348)
12-Mar-18	The Vanguard Group, Inc.	Sell	1.06	Ordinary	(14,195)	(14,195)
13-Mar-18	The Vanguard Group, Inc.	Buy	1.05	Ordinary	336,261	336,261
15-Mar-18	The Vanguard Group, Inc.	Buy	1.05	Ordinary	29,488	29,488
16-Mar-18	The Vanguard Group, Inc.	Buy	1.07	Ordinary	323	323
16-Mar-18	The Vanguard Group, Inc.	Buy	1.07	Ordinary	1,276,582	1,276,582
16-Mar-18	The Vanguard Group, Inc.	Buy	1.07	Ordinary	54,355	54,355
16-Mar-18	The Vanguard Group, Inc.	Sell	1.07	Ordinary	(9,573)	(9,573)
16-Mar-18	The Vanguard Group, Inc.	Sell	1.07	Ordinary	(19,873)	(19,873)
21-Mar-18	The Vanguard Group, Inc.	Buy	1.10	Ordinary	590,480	590,480
22-Mar-18	The Vanguard Group, Inc.	Sell	1.09	Ordinary	(1,167)	(1,167)
23-Mar-18	The Vanguard Group, Inc.	Buy	1.07	Ordinary	25,089	25,089
3-Apr-18	The Vanguard Group, Inc.	Buy	1.06	Ordinary	24,231	24,231
3-Apr-18	The Vanguard Group, Inc.	Buy	1.06	Ordinary	16,154	16,154
5-Apr-18	The Vanguard Group, Inc.	Sell	1.08	Ordinary	(7,761)	(7,761)
10-Apr-18	The Vanguard Group, Inc.	Buy	1.08	Ordinary	58,541	58,541
12-Apr-18	The Vanguard Group, Inc.	Buy	1.06	Ordinary	25,089	25,089
13-Apr-18	The Vanguard Group, Inc.	Buy	1.07	Ordinary	334,840	334,840
13-Apr-18	The Vanguard Group, Inc.	Buy	1.07	Ordinary	24,231	24,231
16-Apr-18	The Vanguard Group, Inc.	Buy	1.07	Ordinary	58,541	58,541
1-May-18	The Vanguard Group, Inc.	Sell	1.10	Ordinary	(7,761)	(7,761)
2-May-18	The Vanguard Group, Inc.	Buy	1.10	Ordinary	58,541	58,541
2-May-18	The Vanguard Group, Inc.	Buy	1.10	Ordinary	33,452	33,452
17-May-18	The Vanguard Group, Inc.	Buy	1.07	Ordinary	16,154	16,154



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21-May-18	The Vanguard Group, Inc.	Buy	1.08	Ordinary	24,231	24,231
23-May-18	The Vanguard Group, Inc.	Buy	1.08	Ordinary	72,693	72,693
24-May-18	The Vanguard Group, Inc.	Sell	1.09	Ordinary	(5,174)	(5,174)
31-May-18	The Vanguard Group, Inc.	Buy	1.08	Ordinary	24,231	24,231
4-Jun-18	The Vanguard Group, Inc.	Buy	1.11	Ordinary	74,642	74,642
5-Jun-18	The Vanguard Group, Inc.	Buy	1.10	Ordinary	26,955	26,955
11-Jun-18	The Vanguard Group, Inc.	Buy	1.10	Ordinary	64,616	64,616
12-Jun-18	The Vanguard Group, Inc.	Buy	1.10	Ordinary	299,416	299,416
13-Jun-18	The Vanguard Group, Inc.	Buy	1.10	Ordinary	24,231	24,231
31-May-16	Vanguard Investments Australia Ltd	Buy	1.05	Ordinary	34,810	34,810
7-Jun-16	Vanguard Investments Australia Ltd	Sell	1.06	Ordinary	(215,673)	(215,673)
8-Jun-16	Vanguard Investments Australia Ltd	Buy	1.06	Ordinary	99,090	99,090
9-Jun-16	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	79,900	79,900
9-Jun-16	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	34,810	34,810
14-Jun-16	Vanguard Investments Australia Ltd	Sell	1.04	Ordinary	(69,238)	(69,238)
16-Jun-16	Vanguard Investments Australia Ltd	Buy	1.04	Ordinary	69,620	69,620
16-Jun-16	Vanguard Investments Australia Ltd	Buy	1.04	Ordinary	9,916	9,916
16-Jun-16	Vanguard Investments Australia Ltd	Buy	1.04	Ordinary	14,874	14,874
17-Jun-16	Vanguard Investments Australia Ltd	Sell	1.04	Ordinary	(60,554)	(60,554)
23-Jun-16	Vanguard Investments Australia Ltd	Buy	1.04	Ordinary	39,075	39,075
24-Jun-16	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	26,050	26,050
24-Jun-16	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	33,865	33,865
30-Jun-16	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	35,280	35,280
30-Jun-16	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(229,320)	(229,320)
30-Jun-16	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(5,148)	(5,148)
4-Jul-16	Vanguard Investments Australia Ltd	Sell	1.03	Ordinary	(28,237)	(28,237)
6-Jul-16	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	9,744	9,744
12-Jul-16	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	69,220	69,220
12-Jul-16	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(104,594)	(104,594)
12-Jul-16	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(136,104)	(136,104)
13-Jul-16	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	4,490	4,490
19-Jul-16	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	23,070	23,070
19-Jul-16	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	34,610	34,610
21-Jul-16	Vanguard Investments Australia Ltd	Buy	1.11	Ordinary	1,364,241	1,364,241
21-Jul-16	Vanguard Investments Australia Ltd	Sell	1.11	Ordinary	(28,992)	(28,992)
26-Jul-16	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	207,895	207,895
27-Jul-16	Vanguard Investments Australia Ltd	Sell	1.09	Ordinary	(24,290)	(24,290)
28-Jul-16	Vanguard Investments Australia Ltd	Buy	1.10	Ordinary	51,915	51,915
29-Jul-16	Vanguard Investments Australia Ltd	Buy	1.11	Ordinary	44,500	44,500
3-Aug-16	Vanguard Investments Australia Ltd	Sell	1.10	Ordinary	(73,518)	(73,518)
5-Aug-16	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	51,915	51,915
5-Aug-16	Vanguard Investments Australia Ltd	Sell	1.09	Ordinary	(47,525)	(47,525)
11-Aug-16	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	14,942	14,942
15-Aug-16	Vanguard Investments Australia Ltd	Sell	1.08	Ordinary	(18,989)	(18,989)
16-Aug-16	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	69,664	69,664
19-Aug-16	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	34,832	34,832
31-Aug-16	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	15,640	15,640
31-Aug-16	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(34,832)	(34,832)
31-Aug-16	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(6,740)	(6,740)
31-Aug-16	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(37,285)	(37,285)
31-Aug-16	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(15,666)	(15,666)
1-Sep-16	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	87,080	87,080
1-Sep-16	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(37,315)	(37,315)
1-Sep-16	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(15,666)	(15,666)
2-Sep-16	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	10,444	10,444
2-Sep-16	Vanguard Investments Australia Ltd	Sell	1.01	Ordinary	(34,832)	(34,832)
7-Sep-16	Vanguard Investments Australia Ltd	Sell	0.98	Ordinary	(783,358)	(783,358)
12-Sep-16	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	69,664	69,664
12-Sep-16	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	34,832	34,832
12-Sep-16	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	13,302	13,302
12-Sep-16	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	13,302	13,302
16-Sep-16	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	31,242	31,242
16-Sep-16	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(31,408)	(31,408)
16-Sep-16	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(153,240)	(153,240)
16-Sep-16	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(282,613)	(282,613)

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20-Sep-16	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	15,024	15,024
20-Sep-16	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	10,745	10,745
22-Sep-16	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	30,048	30,048
22-Sep-16	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	17,192	17,192
23-Sep-16	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	69,136	69,136
27-Sep-16	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	270,774	270,774
29-Sep-16	Vanguard Investments Australia Ltd	Sell	0.95	Ordinary	(64,461)	(64,461)
29-Sep-16	Vanguard Investments Australia Ltd	Sell	0.95	Ordinary	(161,067)	(161,067)
30-Sep-16	Vanguard Investments Australia Ltd	Buy	0.94	Ordinary	51,852	51,852
30-Sep-16	Vanguard Investments Australia Ltd	Buy	0.94	Ordinary	12,894	12,894
30-Sep-16	Vanguard Investments Australia Ltd	Sell	0.94	Ordinary	(228,133)	(228,133)
3-Oct-16	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(160,138)	(160,138)
5-Oct-16	Vanguard Investments Australia Ltd	Buy	0.94	Ordinary	34,210	34,210
5-Oct-16	Vanguard Investments Australia Ltd	Sell	0.94	Ordinary	(176,445)	(176,445)
6-Oct-16	Vanguard Investments Australia Ltd	Buy	0.93	Ordinary	129,754	129,754
7-Oct-16	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(586,710)	(586,710)
10-Oct-16	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	42,100	42,100
10-Oct-16	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	19,341	19,341
14-Oct-16	Vanguard Investments Australia Ltd	Buy	0.93	Ordinary	51,315	51,315
20-Oct-16	Vanguard Investments Australia Ltd	Buy	0.90	Ordinary	10,745	10,745
24-Oct-16	Vanguard Investments Australia Ltd	Buy	0.89	Ordinary	19,341	19,341
24-Oct-16	Vanguard Investments Australia Ltd	Sell	0.89	Ordinary	(618,561)	(618,561)
25-Oct-16	Vanguard Investments Australia Ltd	Buy	0.91	Ordinary	68,420	68,420
25-Oct-16	Vanguard Investments Australia Ltd	Buy	0.91	Ordinary	25,788	25,788
28-Oct-16	Vanguard Investments Australia Ltd	Buy	0.90	Ordinary	22,536	22,536
28-Oct-16	Vanguard Investments Australia Ltd	Buy	0.90	Ordinary	19,341	19,341
31-Oct-16	Vanguard Investments Australia Ltd	Buy	0.91	Ordinary	136,840	136,840
1-Nov-16	Vanguard Investments Australia Ltd	Buy	0.91	Ordinary	68,420	68,420
1-Nov-16	Vanguard Investments Australia Ltd	Buy	0.91	Ordinary	68,420	68,420
2-Nov-16	Vanguard Investments Australia Ltd	Buy	0.91	Ordinary	171,050	171,050
2-Nov-16	Vanguard Investments Australia Ltd	Buy	0.91	Ordinary	10,000	10,000
3-Nov-16	Vanguard Investments Australia Ltd	Buy	0.91	Ordinary	153,945	153,945
3-Nov-16	Vanguard Investments Australia Ltd	Sell	0.91	Ordinary	(119,820)	(119,820)
4-Nov-16	Vanguard Investments Australia Ltd	Buy	0.90	Ordinary	16,000	16,000
7-Nov-16	Vanguard Investments Australia Ltd	Sell	0.91	Ordinary	(23,390)	(23,390)
9-Nov-16	Vanguard Investments Australia Ltd	Buy	0.91	Ordinary	18,000	18,000
10-Nov-16	Vanguard Investments Australia Ltd	Buy	0.90	Ordinary	20,000	20,000
14-Nov-16	Vanguard Investments Australia Ltd	Buy	0.90	Ordinary	68,420	68,420
14-Nov-16	Vanguard Investments Australia Ltd	Sell	0.90	Ordinary	(279,067)	(279,067)
16-Nov-16	Vanguard Investments Australia Ltd	Buy	0.89	Ordinary	87,870	87,870
21-Nov-16	Vanguard Investments Australia Ltd	Buy	0.91	Ordinary	22,536	22,536
21-Nov-16	Vanguard Investments Australia Ltd	Sell	0.91	Ordinary	(356,777)	(356,777)
21-Nov-16	Vanguard Investments Australia Ltd	Sell	0.91	Ordinary	(223,217)	(223,217)
22-Nov-16	Vanguard Investments Australia Ltd	Buy	0.90	Ordinary	51,315	51,315
30-Nov-16	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(25,819)	(25,819)
5-Dec-16	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	34,210	34,210
5-Dec-16	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	85,525	85,525
5-Dec-16	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(99,552)	(99,552)
6-Dec-16	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(113,280)	(113,280)
6-Dec-16	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(50,375)	(50,375)
12-Dec-16	Vanguard Investments Australia Ltd	Sell	0.95	Ordinary	(269,145)	(269,145)
13-Dec-16	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	33,884	33,884
16-Dec-16	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	166,250	166,250
20-Dec-16	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	20,192	20,192
20-Dec-16	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	438,680	438,680
21-Dec-16	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	34,162	34,162
29-Dec-16	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	235,815	235,815
29-Dec-16	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	14,607	14,607
29-Dec-16	Vanguard Investments Australia Ltd	Sell	0.98	Ordinary	(19,761)	(19,761)
30-Dec-16	Vanguard Investments Australia Ltd	Sell	0.99	Ordinary	(5,751)	(5,751)
5-Jan-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	14,058	14,058
6-Jan-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	34,180	34,180
11-Jan-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	51,270	51,270
19-Jan-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	34,244	34,244
23-Jan-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	12,984	12,984

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
25-Jan-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	34,244	34,244
27-Jan-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	14,018	14,018
27-Jan-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	11,361	11,361
31-Jan-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	51,261	51,261
31-Jan-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	11,361	11,361
1-Feb-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	40,909	40,909
1-Feb-17	Vanguard Investments Australia Ltd	Sell	0.98	Ordinary	(621,926)	(621,926)
2-Feb-17	Vanguard Investments Australia Ltd	Sell	0.97	Ordinary	(194,760)	(194,760)
7-Feb-17	Vanguard Investments Australia Ltd	Buy	1.00	Ordinary	34,174	34,174
8-Feb-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	115,687	115,687
9-Feb-17	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	916,690	916,690
9-Feb-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	14,607	14,607
13-Feb-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	397,919	397,919
13-Feb-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	34,546	34,546
14-Feb-17	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(19,759)	(19,759)
15-Feb-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	14,060	14,060
17-Feb-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	69,108	69,108
20-Feb-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	34,554	34,554
20-Feb-17	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(242,993)	(242,993)
21-Feb-17	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(248,248)	(248,248)
22-Feb-17	Vanguard Investments Australia Ltd	Sell	1.01	Ordinary	(19,132)	(19,132)
22-Feb-17	Vanguard Investments Australia Ltd	Sell	1.01	Ordinary	(165,499)	(165,499)
23-Feb-17	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	1,977,336	1,977,336
23-Feb-17	Vanguard Investments Australia Ltd	Sell	1.01	Ordinary	(1,977,336)	(1,977,336)
24-Feb-17	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	34,542	34,542
24-Feb-17	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	21,246	21,246
28-Feb-17	Vanguard Investments Australia Ltd	Sell	0.98	Ordinary	(172,187)	(172,187)
3-Mar-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	34,542	34,542
6-Mar-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	8,115	8,115
7-Mar-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	51,813	51,813
10-Mar-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	255,410	255,410
15-Mar-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	34,542	34,542
15-Mar-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	11,361	11,361
17-Mar-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	186,320	186,320
17-Mar-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	17,271	17,271
17-Mar-17	Vanguard Investments Australia Ltd	Sell	0.97	Ordinary	(50,057)	(50,057)
17-Mar-17	Vanguard Investments Australia Ltd	Sell	0.97	Ordinary	(299,737)	(299,737)
21-Mar-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	14,136	14,136
22-Mar-17	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(109,225)	(109,225)
23-Mar-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	34,136	34,136
23-Mar-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	20,898	20,898
24-Mar-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	152,152	152,152
24-Mar-17	Vanguard Investments Australia Ltd	Sell	0.98	Ordinary	(152,152)	(152,152)
28-Mar-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	266,382	266,382
31-Mar-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	68,404	68,404
31-Mar-17	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(402,811)	(402,811)
5-Apr-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	33,786	33,786
5-Apr-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	10,500	10,500
6-Apr-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	115,614	115,614
7-Apr-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	241,014	241,014
10-Apr-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	740,068	740,068
11-Apr-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	33,786	33,786
12-Apr-17	Vanguard Investments Australia Ltd	Sell	0.98	Ordinary	(98,267)	(98,267)
19-Apr-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	16,800	16,800
20-Apr-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	21,048	21,048
26-Apr-17	Vanguard Investments Australia Ltd	Sell	0.97	Ordinary	(19,825)	(19,825)
27-Apr-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	18,900	18,900
28-Apr-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	84,465	84,465
28-Apr-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	8,400	8,400
28-Apr-17	Vanguard Investments Australia Ltd	Sell	0.97	Ordinary	(9,929)	(9,929)
1-May-17	Vanguard Investments Australia Ltd	Sell	0.98	Ordinary	(103,266)	(103,266)
5-May-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	16,893	16,893
5-May-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	103,535	103,535
9-May-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	17,690	17,690
9-May-17	Vanguard Investments Australia Ltd	Sell	0.99	Ordinary	(20,181)	(20,181)

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
10-May-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	33,786	33,786
11-May-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	103,058	103,058
12-May-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	50,679	50,679
15-May-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	12,383	12,383
15-May-17	Vanguard Investments Australia Ltd	Sell	0.97	Ordinary	(168,813)	(168,813)
17-May-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	33,786	33,786
17-May-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	105,929	105,929
18-May-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	13,447	13,447
19-May-17	Vanguard Investments Australia Ltd	Sell	0.95	Ordinary	(15,517)	(15,517)
23-May-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	33,786	33,786
25-May-17	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(30,962)	(30,962)
26-May-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	21,048	21,048
29-May-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	67,572	67,572
31-May-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	7,512	7,512
1-Jun-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	215,281	215,281
2-Jun-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	33,786	33,786
6-Jun-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	19,210	19,210
6-Jun-17	Vanguard Investments Australia Ltd	Sell	0.99	Ordinary	(42,029)	(42,029)
8-Jun-17	Vanguard Investments Australia Ltd	Buy	1.00	Ordinary	28,815	28,815
8-Jun-17	Vanguard Investments Australia Ltd	Sell	1.00	Ordinary	(657,350)	(657,350)
9-Jun-17	Vanguard Investments Australia Ltd	Sell	1.00	Ordinary	(28,163)	(28,163)
15-Jun-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	84,465	84,465
16-Jun-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	33,786	33,786
16-Jun-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	26,894	26,894
20-Jun-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	14,280	14,280
20-Jun-17	Vanguard Investments Australia Ltd	Sell	1.03	Ordinary	(22,079)	(22,079)
21-Jun-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	33,700	33,700
22-Jun-17	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	23,800	23,800
22-Jun-17	Vanguard Investments Australia Ltd	Sell	1.01	Ordinary	(243,460)	(243,460)
23-Jun-17	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	21,339	21,339
27-Jun-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	50,073	50,073
27-Jun-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	23,256	23,256
29-Jun-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	247,918	247,918
29-Jun-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	102,420	102,420
30-Jun-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	25,840	25,840
30-Jun-17	Vanguard Investments Australia Ltd	Sell	0.95	Ordinary	(251,748)	(251,748)
30-Jun-17	Vanguard Investments Australia Ltd	Sell	0.95	Ordinary	(12,544)	(12,544)
3-Jul-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	25,840	25,840
3-Jul-17	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(254,588)	(254,588)
4-Jul-17	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(9,397)	(9,397)
5-Jul-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	16,909	16,909
5-Jul-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	33,818	33,818
6-Jul-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	164,617	164,617
6-Jul-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	338,180	338,180
6-Jul-17	Vanguard Investments Australia Ltd	Sell	0.95	Ordinary	(388,140)	(388,140)
10-Jul-17	Vanguard Investments Australia Ltd	Buy	0.93	Ordinary	31,008	31,008
11-Jul-17	Vanguard Investments Australia Ltd	Buy	0.93	Ordinary	50,727	50,727
11-Jul-17	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(150,894)	(150,894)
11-Jul-17	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(124,761)	(124,761)
12-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	27,428	27,428
12-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	18,088	18,088
13-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	167,024	167,024
13-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	16,909	16,909
13-Jul-17	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(226,304)	(226,304)
13-Jul-17	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(269,738)	(269,738)
13-Jul-17	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(56,279)	(56,279)
17-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	50,727	50,727
17-Jul-17	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(291,754)	(291,754)
17-Jul-17	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(242,353)	(242,353)
18-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	24,031	24,031
20-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	120,096	120,096
20-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	50,727	50,727
20-Jul-17	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(348,244)	(348,244)
20-Jul-17	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(298,521)	(298,521)
24-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	152,181	152,181

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
24-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	48,062	48,062
25-Jul-17	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(30,251)	(30,251)
25-Jul-17	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(278,772)	(278,772)
25-Jul-17	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(101,454)	(101,454)
25-Jul-17	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(223,417)	(223,417)
27-Jul-17	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(223,872)	(223,872)
27-Jul-17	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(122,186)	(122,186)
28-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	20,571	20,571
28-Jul-17	Vanguard Investments Australia Ltd	Sell	0.92	Ordinary	(121,886)	(121,886)
31-Jul-17	Vanguard Investments Australia Ltd	Buy	0.92	Ordinary	27,464	27,464
3-Aug-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	33,818	33,818
3-Aug-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	37,763	37,763
4-Aug-17	Vanguard Investments Australia Ltd	Sell	0.94	Ordinary	(321,271)	(321,271)
8-Aug-17	Vanguard Investments Australia Ltd	Buy	0.93	Ordinary	8,852	8,852
8-Aug-17	Vanguard Investments Australia Ltd	Sell	0.93	Ordinary	(146,623)	(146,623)
9-Aug-17	Vanguard Investments Australia Ltd	Buy	0.94	Ordinary	16,909	16,909
9-Aug-17	Vanguard Investments Australia Ltd	Buy	0.94	Ordinary	50,727	50,727
11-Aug-17	Vanguard Investments Australia Ltd	Buy	0.93	Ordinary	48,062	48,062
15-Aug-17	Vanguard Investments Australia Ltd	Buy	0.93	Ordinary	27,640	27,640
16-Aug-17	Vanguard Investments Australia Ltd	Buy	0.93	Ordinary	31,908	31,908
16-Aug-17	Vanguard Investments Australia Ltd	Buy	0.93	Ordinary	50,237	50,237
22-Aug-17	Vanguard Investments Australia Ltd	Buy	0.94	Ordinary	25,616	25,616
22-Aug-17	Vanguard Investments Australia Ltd	Buy	0.94	Ordinary	28,199	28,199
23-Aug-17	Vanguard Investments Australia Ltd	Buy	0.94	Ordinary	24,031	24,031
23-Aug-17	Vanguard Investments Australia Ltd	Buy	0.94	Ordinary	27,464	27,464
25-Aug-17	Vanguard Investments Australia Ltd	Buy	0.94	Ordinary	51,192	51,192
28-Aug-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	213,551	213,551
29-Aug-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	55,591	55,591
30-Aug-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	309,705	309,705
31-Aug-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	11,542	11,542
31-Aug-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	27,464	27,464
1-Sep-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	51,192	51,192
5-Sep-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	173,707	173,707
8-Sep-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	37,763	37,763
14-Sep-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	17,064	17,064
15-Sep-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	131,614	131,614
15-Sep-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	51,192	51,192
15-Sep-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	162,571	162,571
15-Sep-17	Vanguard Investments Australia Ltd	Sell	0.97	Ordinary	(135,914)	(135,914)
19-Sep-17	Vanguard Investments Australia Ltd	Sell	0.98	Ordinary	(17,031)	(17,031)
21-Sep-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	85,600	85,600
21-Sep-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	41,524	41,524
26-Sep-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	100,844	100,844
28-Sep-17	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	4,160	4,160
28-Sep-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	450,832	450,832
29-Sep-17	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(95,553)	(95,553)
3-Oct-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	51,144	51,144
3-Oct-17	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(30,320)	(30,320)
4-Oct-17	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	31,600	31,600
10-Oct-17	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	27,692	27,692
11-Oct-17	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	8,661	8,661
12-Oct-17	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	34,096	34,096
18-Oct-17	Vanguard Investments Australia Ltd	Sell	0.99	Ordinary	(5,794)	(5,794)
25-Oct-17	Vanguard Investments Australia Ltd	Sell	1.00	Ordinary	(10,145)	(10,145)
27-Oct-17	Vanguard Investments Australia Ltd	Buy	1.00	Ordinary	51,144	51,144
27-Oct-17	Vanguard Investments Australia Ltd	Buy	1.00	Ordinary	18,960	18,960
31-Oct-17	Vanguard Investments Australia Ltd	Sell	1.00	Ordinary	(50,255)	(50,255)
6-Nov-17	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	51,144	51,144
7-Nov-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	20,769	20,769
7-Nov-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	28,440	28,440
8-Nov-17	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(11,567)	(11,567)
15-Nov-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	34,096	34,096
16-Nov-17	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	28,440	28,440
16-Nov-17	Vanguard Investments Australia Ltd	Sell	1.01	Ordinary	(17,269)	(17,269)
20-Nov-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	27,692	27,692

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
22-Nov-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	68,192	68,192
22-Nov-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	31,600	31,600
24-Nov-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	156,452	156,452
24-Nov-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	41,080	41,080
24-Nov-17	Vanguard Investments Australia Ltd	Sell	1.03	Ordinary	(10,203)	(10,203)
29-Nov-17	Vanguard Investments Australia Ltd	Sell	1.03	Ordinary	(68,192)	(68,192)
30-Nov-17	Vanguard Investments Australia Ltd	Sell	1.04	Ordinary	(35,659)	(35,659)
1-Dec-17	Vanguard Investments Australia Ltd	Buy	1.04	Ordinary	26,644	26,644
4-Dec-17	Vanguard Investments Australia Ltd	Buy	1.04	Ordinary	19,489	19,489
4-Dec-17	Vanguard Investments Australia Ltd	Sell	1.04	Ordinary	(19,489)	(19,489)
4-Dec-17	Vanguard Investments Australia Ltd	Sell	1.04	Ordinary	(140,145)	(140,145)
4-Dec-17	Vanguard Investments Australia Ltd	Sell	1.04	Ordinary	(130,215)	(130,215)
5-Dec-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	51,144	51,144
5-Dec-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	34,096	34,096
5-Dec-17	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(122,207)	(122,207)
5-Dec-17	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(69,520)	(69,520)
6-Dec-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	377,552	377,552
8-Dec-17	Vanguard Investments Australia Ltd	Sell	1.03	Ordinary	(74,072)	(74,072)
11-Dec-17	Vanguard Investments Australia Ltd	Sell	1.03	Ordinary	(16,073)	(16,073)
11-Dec-17	Vanguard Investments Australia Ltd	Sell	1.03	Ordinary	(118,785)	(118,785)
14-Dec-17	Vanguard Investments Australia Ltd	Buy	1.04	Ordinary	14,730	14,730
15-Dec-17	Vanguard Investments Australia Ltd	Sell	1.04	Ordinary	(62,502)	(62,502)
18-Dec-17	Vanguard Investments Australia Ltd	Sell	1.04	Ordinary	(15,437)	(15,437)
19-Dec-17	Vanguard Investments Australia Ltd	Buy	1.04	Ordinary	170,330	170,330
19-Dec-17	Vanguard Investments Australia Ltd	Buy	1.04	Ordinary	34,066	34,066
19-Dec-17	Vanguard Investments Australia Ltd	Buy	1.04	Ordinary	17,943	17,943
20-Dec-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	34,135	34,135
20-Dec-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	27,072	27,072
27-Dec-17	Vanguard Investments Australia Ltd	Buy	1.03	Ordinary	170,330	170,330
28-Dec-17	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	411,267	411,267
28-Dec-17	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(345,760)	(345,760)
29-Dec-17	Vanguard Investments Australia Ltd	Sell	1.01	Ordinary	(12,332)	(12,332)
4-Jan-18	Vanguard Investments Australia Ltd	Buy	1.02	Ordinary	20,187	20,187
8-Jan-18	Vanguard Investments Australia Ltd	Buy	1.01	Ordinary	34,504	34,504
10-Jan-18	Vanguard Investments Australia Ltd	Sell	1.00	Ordinary	(39,104)	(39,104)
16-Jan-18	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	34,504	34,504
16-Jan-18	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	30,080	30,080
16-Jan-18	Vanguard Investments Australia Ltd	Sell	0.97	Ordinary	(599,230)	(599,230)
24-Jan-18	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	40,374	40,374
24-Jan-18	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	21,056	21,056
25-Jan-18	Vanguard Investments Australia Ltd	Buy	0.98	Ordinary	34,504	34,504
29-Jan-18	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	18,048	18,048
31-Jan-18	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	51,298	51,298
31-Jan-18	Vanguard Investments Australia Ltd	Sell	0.99	Ordinary	(20,131)	(20,131)
1-Feb-18	Vanguard Investments Australia Ltd	Sell	0.99	Ordinary	(228,608)	(228,608)
2-Feb-18	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	34,504	34,504
6-Feb-18	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	18,048	18,048
7-Feb-18	Vanguard Investments Australia Ltd	Buy	0.95	Ordinary	149,771	149,771
9-Feb-18	Vanguard Investments Australia Ltd	Buy	0.96	Ordinary	36,096	36,096
13-Feb-18	Vanguard Investments Australia Ltd	Sell	0.96	Ordinary	(104,490)	(104,490)
20-Feb-18	Vanguard Investments Australia Ltd	Buy	0.97	Ordinary	36,096	36,096
26-Feb-18	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	38,117	38,117
26-Feb-18	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	34,830	34,830
26-Feb-18	Vanguard Investments Australia Ltd	Buy	0.99	Ordinary	370,054	370,054
27-Feb-18	Vanguard Investments Australia Ltd	Buy	1.00	Ordinary	162,348	162,348
28-Feb-18	Vanguard Investments Australia Ltd	Buy	1.00	Ordinary	26,491	26,491
28-Feb-18	Vanguard Investments Australia Ltd	Sell	1.00	Ordinary	(48,126)	(48,126)
1-Mar-18	Vanguard Investments Australia Ltd	Buy	1.00	Ordinary	20,070	20,070
5-Mar-18	Vanguard Investments Australia Ltd	Sell	1.02	Ordinary	(14,537)	(14,537)
13-Mar-18	Vanguard Investments Australia Ltd	Buy	1.05	Ordinary	11,150	11,150
15-Mar-18	Vanguard Investments Australia Ltd	Buy	1.05	Ordinary	20,214	20,214
15-Mar-18	Vanguard Investments Australia Ltd	Buy	1.05	Ordinary	17,192	17,192
16-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	32,509	32,509
16-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	60,325	60,325
16-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	129,952	129,952

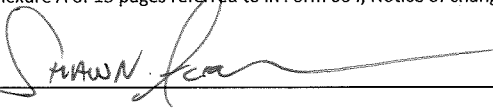
Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
16-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	350,649	350,649
16-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	128,293	128,293
16-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	169,057	169,057
16-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	8,291,274	8,291,274
16-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	229,589	229,589
20-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	173,824	173,824
21-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	19,795	19,795
21-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	20,390	20,390
21-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	43,995	43,995
21-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	190,184	190,184
21-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	37,534	37,534
21-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	73,786	73,786
21-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	178,202	178,202
21-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	874,455	874,455
21-Mar-18	Vanguard Investments Australia Ltd	Buy	1.10	Ordinary	14,250	14,250
21-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	420,138	420,138
21-Mar-18	Vanguard Investments Australia Ltd	Sell	1.10	Ordinary	(301,420)	(301,420)
22-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	38,123	38,123
22-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	39,270	39,270
22-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	84,729	84,729
22-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	366,273	366,273
22-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	72,287	72,287
22-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	142,104	142,104
22-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	343,200	343,200
22-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	1,684,110	1,684,110
22-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	809,142	809,142
23-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	42,892	42,892
23-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	1,282,396	1,282,396
26-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	197,613	197,613
26-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	27,200	27,200
26-Mar-18	Vanguard Investments Australia Ltd	Sell	1.08	Ordinary	(94,100)	(94,100)
27-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	43,205	43,205
27-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	56,817	56,817
27-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	106,938	106,938
27-Mar-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	292,096	292,096
27-Mar-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	26,125	26,125
29-Mar-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	531,243	531,243
29-Mar-18	Vanguard Investments Australia Ltd	Sell	1.07	Ordinary	(515,178)	(515,178)
3-Apr-18	Vanguard Investments Australia Ltd	Buy	1.05	Ordinary	253,175	253,175
5-Apr-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	135,555	135,555
5-Apr-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	28,800	28,800
5-Apr-18	Vanguard Investments Australia Ltd	Sell	1.08	Ordinary	(17,992)	(17,992)
12-Apr-18	Vanguard Investments Australia Ltd	Buy	1.06	Ordinary	55,211	55,211
19-Apr-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	28,800	28,800
19-Apr-18	Vanguard Investments Australia Ltd	Sell	1.08	Ordinary	(43,205)	(43,205)
20-Apr-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	20,400	20,400
24-Apr-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	13,600	13,600
27-Apr-18	Vanguard Investments Australia Ltd	Buy	1.08	Ordinary	112,085	112,085
2-May-18	Vanguard Investments Australia Ltd	Buy	1.10	Ordinary	34,000	34,000
2-May-18	Vanguard Investments Australia Ltd	Sell	1.10	Ordinary	(20,000)	(20,000)
4-May-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	14,400	14,400
8-May-18	Vanguard Investments Australia Ltd	Buy	1.11	Ordinary	65,717	65,717
11-May-18	Vanguard Investments Australia Ltd	Buy	1.11	Ordinary	542,680	542,680
11-May-18	Vanguard Investments Australia Ltd	Sell	1.11	Ordinary	(542,680)	(542,680)
17-May-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	20,400	20,400
17-May-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	109,478	109,478
17-May-18	Vanguard Investments Australia Ltd	Sell	1.07	Ordinary	(283,127)	(283,127)
18-May-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	16,800	16,800
22-May-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	21,255	21,255
22-May-18	Vanguard Investments Australia Ltd	Buy	1.07	Ordinary	19,200	19,200
29-May-18	Vanguard Investments Australia Ltd	Buy	1.10	Ordinary	21,255	21,255
31-May-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	16,800	16,800
31-May-18	Vanguard Investments Australia Ltd	Sell	1.09	Ordinary	(31,782)	(31,782)
1-Jun-18	Vanguard Investments Australia Ltd	Buy	1.09	Ordinary	109,099	109,099
4-Jun-18	Vanguard Investments Australia Ltd	Buy	1.11	Ordinary	124,570	124,570

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
4-Jun-18	Vanguard Investments Australia Ltd	Buy	1.11	Ordinary	1,088,231	1,088,231
4-Jun-18	Vanguard Investments Australia Ltd	Buy	1.11	Ordinary	33,290	33,290
4-Jun-18	Vanguard Investments Australia Ltd	Sell	1.11	Ordinary	(94,492)	(94,492)
6-Jun-18	Vanguard Investments Australia Ltd	Buy	1.10	Ordinary	85,020	85,020
8-Jun-18	Vanguard Investments Australia Ltd	Buy	1.10	Ordinary	16,800	16,800

This is Annexure A of 13 pages referred to in Form 604, Notice of change in substantial ownership

Signature



Date

15-Jun-18