

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme Cromwell Property Group
ACN/ARSN 001 056 980, 102 982 598 and 079 147 809

1. Details of substantial holder (1)

Name Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those listed in Annexure A)
ACN/ARSN (if applicable) N/A

There was a change in the interests of the substantial holder on 11 December 2019

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

The previous notice was dated 15 June 2018

2. Previous and present voting power

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

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary	140,734,048	7.089%	210,756,179	8.094%

3. Changes in relevant interests

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

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

4. Present relevant interests

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

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 8,929,367	8,929,367
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 145,705,271	145,705,271
Vanguard Group	Brown Brothers Harriman	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 813,445	813,445
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 26,894,774	26,894,774
Vanguard Group	Various others	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 28,413,322	28,413,322

5. Changes in association

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

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

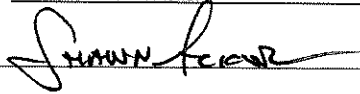
6. Addresses

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

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

Signature

print name Shawn Acker capacity Compliance Manager

sign here  date 16 December 2019

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.

Annexure A

To Company Cromwell Property Group
 ACN/ARSN 001 056 980, 102 982 598 and 079 147 809

Substantial Holder Name Vanguard Group
 ACN/ARSN N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
14-Jun-18	The Vanguard Group, Inc.	BUY	1.10	Ordinary	307,354	307,354
15-Jun-18	The Vanguard Group, Inc.	BUY	1.10	Ordinary	263,030	263,030
15-Jun-18	The Vanguard Group, Inc.	BUY	1.10	Ordinary	59,282	59,282
18-Jun-18	The Vanguard Group, Inc.	BUY	1.11	Ordinary	133,350	133,350
18-Jun-18	The Vanguard Group, Inc.	BUY	1.11	Ordinary	26,670	26,670
19-Jun-18	The Vanguard Group, Inc.	BUY	1.11	Ordinary	13,600	13,600
22-Jun-18	The Vanguard Group, Inc.	BUY	1.12	Ordinary	40,800	40,800
9-Jul-18	The Vanguard Group, Inc.	BUY	1.14	Ordinary	26,670	26,670
10-Jul-18	The Vanguard Group, Inc.	BUY	1.13	Ordinary	724,719	724,719
10-Jul-18	The Vanguard Group, Inc.	BUY	1.13	Ordinary	38,317	38,317
11-Jul-18	The Vanguard Group, Inc.	BUY	1.12	Ordinary	100,670	100,670
18-Jul-18	The Vanguard Group, Inc.	SELL	1.13	Ordinary	(53,340)	(53,340)
19-Jul-18	The Vanguard Group, Inc.	BUY	1.12	Ordinary	27,200	27,200
23-Jul-18	The Vanguard Group, Inc.	SELL	1.13	Ordinary	(7,761)	(7,761)
24-Jul-18	The Vanguard Group, Inc.	BUY	1.12	Ordinary	27,200	27,200
25-Jul-18	The Vanguard Group, Inc.	SELL	1.12	Ordinary	(7,761)	(7,761)
25-Jul-18	The Vanguard Group, Inc.	SELL	1.12	Ordinary	(38,805)	(38,805)
25-Jul-18	The Vanguard Group, Inc.	SELL	1.12	Ordinary	(5,174)	(5,174)
30-Jul-18	The Vanguard Group, Inc.	BUY	1.12	Ordinary	13,600	13,600
31-Jul-18	The Vanguard Group, Inc.	BUY	1.11	Ordinary	20,400	20,400
31-Jul-18	The Vanguard Group, Inc.	BUY	1.11	Ordinary	40,800	40,800
2-Aug-18	The Vanguard Group, Inc.	SELL	1.11	Ordinary	(25,870)	(25,870)
3-Aug-18	The Vanguard Group, Inc.	BUY	1.12	Ordinary	564,357	564,357
3-Aug-18	The Vanguard Group, Inc.	BUY	1.12	Ordinary	20,400	20,400
3-Aug-18	The Vanguard Group, Inc.	BUY	1.12	Ordinary	20,400	20,400
6-Aug-18	The Vanguard Group, Inc.	BUY	1.13	Ordinary	27,200	27,200
9-Aug-18	The Vanguard Group, Inc.	SELL	1.13	Ordinary	(62,230)	(62,230)
9-Aug-18	The Vanguard Group, Inc.	BUY	1.13	Ordinary	13,600	13,600
9-Aug-18	The Vanguard Group, Inc.	BUY	1.13	Ordinary	20,400	20,400
10-Aug-18	The Vanguard Group, Inc.	SELL	1.13	Ordinary	(62,088)	(62,088)
15-Aug-18	The Vanguard Group, Inc.	SELL	1.14	Ordinary	(31,044)	(31,044)
16-Aug-18	The Vanguard Group, Inc.	BUY	1.15	Ordinary	20,400	20,400
24-Aug-18	The Vanguard Group, Inc.	BUY	1.10	Ordinary	13,600	13,600
7-Sep-18	The Vanguard Group, Inc.	SELL	1.12	Ordinary	(6,800)	(6,800)
11-Sep-18	The Vanguard Group, Inc.	BUY	1.12	Ordinary	372,650	372,650
11-Sep-18	The Vanguard Group, Inc.	BUY	1.13	Ordinary	71,120	71,120
21-Sep-18	The Vanguard Group, Inc.	SELL	1.11	Ordinary	(916,415)	(916,415)
21-Sep-18	The Vanguard Group, Inc.	BUY	1.11	Ordinary	133,290	133,290
11-Oct-18	The Vanguard Group, Inc.	BUY	1.04	Ordinary	28,242	28,242
12-Oct-18	The Vanguard Group, Inc.	SELL	1.03	Ordinary	(64,048)	(64,048)
15-Oct-18	The Vanguard Group, Inc.	BUY	1.02	Ordinary	47,070	47,070
19-Oct-18	The Vanguard Group, Inc.	BUY	1.02	Ordinary	28,242	28,242
23-Oct-18	The Vanguard Group, Inc.	SELL	1.02	Ordinary	(64,048)	(64,048)
23-Oct-18	The Vanguard Group, Inc.	SELL	1.02	Ordinary	(24,018)	(24,018)
26-Oct-18	The Vanguard Group, Inc.	BUY	1.04	Ordinary	329,851	329,851
29-Oct-18	The Vanguard Group, Inc.	SELL	1.04	Ordinary	(32,024)	(32,024)
29-Oct-18	The Vanguard Group, Inc.	SELL	1.04	Ordinary	(32,024)	(32,024)
31-Oct-18	The Vanguard Group, Inc.	SELL	1.03	Ordinary	(24,018)	(24,018)
31-Oct-18	The Vanguard Group, Inc.	SELL	1.03	Ordinary	(104,078)	(104,078)
2-Nov-18	The Vanguard Group, Inc.	BUY	1.02	Ordinary	55,773	55,773
12-Nov-18	The Vanguard Group, Inc.	BUY	1.04	Ordinary	12,436	12,436
14-Nov-18	The Vanguard Group, Inc.	BUY	1.03	Ordinary	134,045	134,045
15-Nov-18	The Vanguard Group, Inc.	BUY	1.03	Ordinary	18,654	18,654
28-Nov-18	The Vanguard Group, Inc.	BUY	1.03	Ordinary	4,707	4,707
28-Nov-18	The Vanguard Group, Inc.	BUY	1.03	Ordinary	28,242	28,242
30-Nov-18	The Vanguard Group, Inc.	BUY	0.98	Ordinary	231,930	231,930
30-Nov-18	The Vanguard Group, Inc.	BUY	0.98	Ordinary	3,394,882	3,394,882
30-Nov-18	The Vanguard Group, Inc.	BUY	0.98	Ordinary	1,352,807	1,352,807

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
30-Nov-18	The Vanguard Group, Inc.	BUY	0.98	Ordinary	60,913	60,913
30-Nov-18	The Vanguard Group, Inc.	BUY	0.98	Ordinary	1,351,289	1,351,289
30-Nov-18	The Vanguard Group, Inc.	BUY	0.99	Ordinary	21,525	21,525
30-Nov-18	The Vanguard Group, Inc.	BUY	0.98	Ordinary	629,865	629,865
30-Nov-18	The Vanguard Group, Inc.	BUY	0.98	Ordinary	61,967	61,967
4-Dec-18	The Vanguard Group, Inc.	BUY	1.01	Ordinary	21,525	21,525
6-Dec-18	The Vanguard Group, Inc.	BUY	1.02	Ordinary	28,700	28,700
7-Dec-18	The Vanguard Group, Inc.	BUY	1.02	Ordinary	28,700	28,700
11-Dec-18	The Vanguard Group, Inc.	BUY	1.00	Ordinary	28,700	28,700
12-Dec-18	The Vanguard Group, Inc.	BUY	1.02	Ordinary	27,714	27,714
12-Dec-18	The Vanguard Group, Inc.	BUY	1.01	Ordinary	164,151	164,151
12-Dec-18	The Vanguard Group, Inc.	BUY	0.98	Ordinary	261	261
14-Dec-18	The Vanguard Group, Inc.	BUY	1.00	Ordinary	21,525	21,525
14-Dec-18	The Vanguard Group, Inc.	BUY	1.01	Ordinary	52,217	52,217
19-Dec-18	The Vanguard Group, Inc.	SELL	1.00	Ordinary	(55,428)	(55,428)
19-Dec-18	The Vanguard Group, Inc.	BUY	1.00	Ordinary	28,700	28,700
21-Dec-18	The Vanguard Group, Inc.	SELL	1.00	Ordinary	(261,955)	(261,955)
21-Dec-18	The Vanguard Group, Inc.	SELL	1.00	Ordinary	(198,670)	(198,670)
21-Dec-18	The Vanguard Group, Inc.	BUY	1.00	Ordinary	1,399	1,399
2-Jan-19	The Vanguard Group, Inc.	BUY	0.99	Ordinary	52,232	52,232
2-Jan-19	The Vanguard Group, Inc.	BUY	0.99	Ordinary	78,348	78,348
2-Jan-19	The Vanguard Group, Inc.	BUY	0.99	Ordinary	26,116	26,116
3-Jan-19	The Vanguard Group, Inc.	BUY	0.99	Ordinary	914,279	914,279
3-Jan-19	The Vanguard Group, Inc.	BUY	0.99	Ordinary	19,587	19,587
4-Jan-19	The Vanguard Group, Inc.	BUY	0.99	Ordinary	31,497	31,497
4-Jan-19	The Vanguard Group, Inc.	BUY	0.99	Ordinary	6,529	6,529
10-Jan-19	The Vanguard Group, Inc.	BUY	0.99	Ordinary	18,146	18,146
11-Jan-19	The Vanguard Group, Inc.	BUY	1.00	Ordinary	36,292	36,292
15-Jan-19	The Vanguard Group, Inc.	SELL	1.01	Ordinary	(9,073)	(9,073)
16-Jan-19	The Vanguard Group, Inc.	SELL	1.01	Ordinary	(181,460)	(181,460)
17-Jan-19	The Vanguard Group, Inc.	SELL	1.01	Ordinary	(27,834)	(27,834)
22-Jan-19	The Vanguard Group, Inc.	SELL	1.03	Ordinary	(27,834)	(27,834)
23-Jan-19	The Vanguard Group, Inc.	SELL	1.04	Ordinary	(60,307)	(60,307)
24-Jan-19	The Vanguard Group, Inc.	SELL	1.06	Ordinary	(60,307)	(60,307)
29-Jan-19	The Vanguard Group, Inc.	SELL	1.06	Ordinary	(88,141)	(88,141)
29-Jan-19	The Vanguard Group, Inc.	SELL	1.06	Ordinary	(37,112)	(37,112)
29-Jan-19	The Vanguard Group, Inc.	SELL	1.06	Ordinary	(37,112)	(37,112)
29-Jan-19	The Vanguard Group, Inc.	SELL	1.06	Ordinary	(26,116)	(26,116)
31-Jan-19	The Vanguard Group, Inc.	BUY	1.07	Ordinary	304,645	304,645
1-Feb-19	The Vanguard Group, Inc.	SELL	1.06	Ordinary	(36,292)	(36,292)
1-Feb-19	The Vanguard Group, Inc.	SELL	1.06	Ordinary	(45,365)	(45,365)
1-Feb-19	The Vanguard Group, Inc.	SELL	1.06	Ordinary	(26,116)	(26,116)
1-Feb-19	The Vanguard Group, Inc.	SELL	1.06	Ordinary	(32,645)	(32,645)
7-Feb-19	The Vanguard Group, Inc.	SELL	1.08	Ordinary	(21,952)	(21,952)
7-Feb-19	The Vanguard Group, Inc.	SELL	1.08	Ordinary	(26,116)	(26,116)
8-Feb-19	The Vanguard Group, Inc.	SELL	1.09	Ordinary	(19,587)	(19,587)
13-Feb-19	The Vanguard Group, Inc.	SELL	1.08	Ordinary	(45,703)	(45,703)
15-Feb-19	The Vanguard Group, Inc.	SELL	1.08	Ordinary	(26,116)	(26,116)
22-Feb-19	The Vanguard Group, Inc.	BUY	1.09	Ordinary	262,072	262,072
22-Feb-19	The Vanguard Group, Inc.	SELL	1.08	Ordinary	(32,645)	(32,645)
25-Feb-19	The Vanguard Group, Inc.	BUY	1.09	Ordinary	9,073	9,073
25-Feb-19	The Vanguard Group, Inc.	SELL	1.09	Ordinary	(13,058)	(13,058)
25-Feb-19	The Vanguard Group, Inc.	SELL	1.09	Ordinary	(13,058)	(13,058)
25-Feb-19	The Vanguard Group, Inc.	SELL	1.09	Ordinary	(19,587)	(19,587)
26-Feb-19	The Vanguard Group, Inc.	BUY	1.09	Ordinary	23,195	23,195
1-Mar-19	The Vanguard Group, Inc.	BUY	1.11	Ordinary	27,219	27,219
1-Mar-19	The Vanguard Group, Inc.	BUY	1.12	Ordinary	48,633	48,633
1-Mar-19	The Vanguard Group, Inc.	BUY	1.12	Ordinary	2,715	2,715
5-Mar-19	The Vanguard Group, Inc.	BUY	1.09	Ordinary	27,834	27,834
5-Mar-19	The Vanguard Group, Inc.	BUY	1.09	Ordinary	45,365	45,365
5-Mar-19	The Vanguard Group, Inc.	BUY	1.09	Ordinary	35,711	35,711
7-Mar-19	The Vanguard Group, Inc.	BUY	1.10	Ordinary	759,992	759,992
7-Mar-19	The Vanguard Group, Inc.	BUY	1.10	Ordinary	33,637	33,637
8-Mar-19	The Vanguard Group, Inc.	BUY	1.10	Ordinary	23,195	23,195
15-Mar-19	The Vanguard Group, Inc.	SELL	1.09	Ordinary	(298,973)	(298,973)
15-Mar-19	The Vanguard Group, Inc.	BUY	1.09	Ordinary	75,425	75,425

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
15-Mar-19	The Vanguard Group, Inc.	BUY	1.09	Ordinary	55,124	55,124
15-Mar-19	The Vanguard Group, Inc.	SELL	1.09	Ordinary	(12,885)	(12,885)
20-Mar-19	The Vanguard Group, Inc.	BUY	1.09	Ordinary	13,917	13,917
21-Mar-19	The Vanguard Group, Inc.	BUY	1.10	Ordinary	8,280	8,280
27-Mar-19	The Vanguard Group, Inc.	BUY	1.10	Ordinary	36,416	36,416
27-Mar-19	The Vanguard Group, Inc.	SELL	1.10	Ordinary	(13,058)	(13,058)
1-Apr-19	The Vanguard Group, Inc.	BUY	1.10	Ordinary	18,556	18,556
5-Apr-19	The Vanguard Group, Inc.	BUY	1.08	Ordinary	27,312	27,312
5-Apr-19	The Vanguard Group, Inc.	BUY	1.08	Ordinary	9,104	9,104
16-Apr-19	The Vanguard Group, Inc.	BUY	1.11	Ordinary	125,517	125,517
16-Apr-19	The Vanguard Group, Inc.	BUY	1.11	Ordinary	79,932	79,932
24-Apr-19	The Vanguard Group, Inc.	BUY	1.13	Ordinary	40,997	40,997
26-Apr-19	The Vanguard Group, Inc.	BUY	1.13	Ordinary	23,195	23,195
26-Apr-19	The Vanguard Group, Inc.	BUY	1.13	Ordinary	13,322	13,322
26-Apr-19	The Vanguard Group, Inc.	BUY	1.13	Ordinary	39,966	39,966
29-Apr-19	The Vanguard Group, Inc.	BUY	1.13	Ordinary	382,219	382,219
29-Apr-19	The Vanguard Group, Inc.	BUY	1.13	Ordinary	17,712	17,712
6-May-19	The Vanguard Group, Inc.	SELL	1.15	Ordinary	(16,464)	(16,464)
7-May-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	249,600	249,600
8-May-19	The Vanguard Group, Inc.	SELL	1.16	Ordinary	(16,464)	(16,464)
8-May-19	The Vanguard Group, Inc.	BUY	1.16	Ordinary	32,920	32,920
9-May-19	The Vanguard Group, Inc.	BUY	1.18	Ordinary	27,834	27,834
14-May-19	The Vanguard Group, Inc.	SELL	1.17	Ordinary	(16,464)	(16,464)
22-May-19	The Vanguard Group, Inc.	BUY	1.19	Ordinary	32,920	32,920
28-May-19	The Vanguard Group, Inc.	BUY	1.18	Ordinary	23,195	23,195
29-May-19	The Vanguard Group, Inc.	BUY	1.17	Ordinary	19,587	19,587
29-May-19	The Vanguard Group, Inc.	SELL	1.17	Ordinary	(2,569)	(2,569)
4-Jun-19	The Vanguard Group, Inc.	BUY	1.17	Ordinary	19,587	19,587
5-Jun-19	The Vanguard Group, Inc.	SELL	1.16	Ordinary	(21,952)	(21,952)
5-Jun-19	The Vanguard Group, Inc.	SELL	1.16	Ordinary	(10,976)	(10,976)
6-Jun-19	The Vanguard Group, Inc.	SELL	1.18	Ordinary	(71,290)	(71,290)
7-Jun-19	The Vanguard Group, Inc.	BUY	1.18	Ordinary	246,252	246,252
11-Jun-19	The Vanguard Group, Inc.	SELL	1.19	Ordinary	(13,720)	(13,720)
14-Jun-19	The Vanguard Group, Inc.	SELL	1.20	Ordinary	(8,232)	(8,232)
21-Jun-19	The Vanguard Group, Inc.	SELL	1.25	Ordinary	(229,206)	(229,206)
21-Jun-19	The Vanguard Group, Inc.	SELL	1.25	Ordinary	(233,392)	(233,392)
25-Jun-19	The Vanguard Group, Inc.	SELL	1.25	Ordinary	(8,232)	(8,232)
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	239,319	239,319
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	3,897,275	3,897,275
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	1,531,654	1,531,654
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	85,638	85,638
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	1,464,293	1,464,293
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	699,373	699,373
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	7,090	7,090
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	104,345	104,345
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	2,584	2,584
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	10,463	10,463
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	821	821
27-Jun-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	68,548	68,548
2-Jul-19	The Vanguard Group, Inc.	BUY	1.15	Ordinary	1,492	1,492
3-Jul-19	The Vanguard Group, Inc.	BUY	1.19	Ordinary	75,987	75,987
5-Jul-19	The Vanguard Group, Inc.	BUY	1.23	Ordinary	18,556	18,556
15-Jul-19	The Vanguard Group, Inc.	BUY	1.17	Ordinary	27,834	27,834
15-Jul-19	The Vanguard Group, Inc.	SELL	1.17	Ordinary	(52,839)	(52,839)
18-Jul-19	The Vanguard Group, Inc.	SELL	1.17	Ordinary	(59,106)	(59,106)
18-Jul-19	The Vanguard Group, Inc.	SELL	1.17	Ordinary	(19,702)	(19,702)
18-Jul-19	The Vanguard Group, Inc.	SELL	1.17	Ordinary	(88,659)	(88,659)
19-Jul-19	The Vanguard Group, Inc.	SELL	1.17	Ordinary	(118,212)	(118,212)
22-Jul-19	The Vanguard Group, Inc.	BUY	1.17	Ordinary	23,195	23,195
22-Jul-19	The Vanguard Group, Inc.	BUY	1.17	Ordinary	23,195	23,195
22-Jul-19	The Vanguard Group, Inc.	SELL	1.17	Ordinary	(39,404)	(39,404)
22-Jul-19	The Vanguard Group, Inc.	SELL	1.17	Ordinary	(59,106)	(59,106)
25-Jul-19	The Vanguard Group, Inc.	SELL	1.19	Ordinary	(49,255)	(49,255)
29-Jul-19	The Vanguard Group, Inc.	SELL	1.19	Ordinary	(19,702)	(19,702)
30-Jul-19	The Vanguard Group, Inc.	SELL	1.20	Ordinary	(10,976)	(10,976)
1-Aug-19	The Vanguard Group, Inc.	BUY	1.19	Ordinary	41,751	41,751

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
5-Aug-19	The Vanguard Group, Inc.	SELL	1.20	Ordinary	(29,553)	(29,553)
5-Aug-19	The Vanguard Group, Inc.	SELL	1.20	Ordinary	(19,587)	(19,587)
5-Aug-19	The Vanguard Group, Inc.	SELL	1.20	Ordinary	(19,587)	(19,587)
8-Aug-19	The Vanguard Group, Inc.	SELL	1.22	Ordinary	(13,720)	(13,720)
13-Aug-19	The Vanguard Group, Inc.	SELL	1.24	Ordinary	(19,208)	(19,208)
15-Aug-19	The Vanguard Group, Inc.	SELL	1.21	Ordinary	(16,464)	(16,464)
19-Aug-19	The Vanguard Group, Inc.	SELL	1.21	Ordinary	(6,529)	(6,529)
19-Aug-19	The Vanguard Group, Inc.	SELL	1.21	Ordinary	(2,781)	(2,781)
20-Aug-19	The Vanguard Group, Inc.	SELL	1.22	Ordinary	(50,900)	(50,900)
3-Sep-19	The Vanguard Group, Inc.	BUY	1.23	Ordinary	59,122	59,122
4-Sep-19	The Vanguard Group, Inc.	SELL	1.24	Ordinary	(6,529)	(6,529)
5-Sep-19	The Vanguard Group, Inc.	BUY	1.26	Ordinary	81,824	81,824
5-Sep-19	The Vanguard Group, Inc.	BUY	1.26	Ordinary	102,280	102,280
6-Sep-19	The Vanguard Group, Inc.	BUY	1.24	Ordinary	41,260	41,260
16-Sep-19	The Vanguard Group, Inc.	BUY	1.25	Ordinary	8,232	8,232
17-Sep-19	The Vanguard Group, Inc.	SELL	1.25	Ordinary	(30,945)	(30,945)
18-Sep-19	The Vanguard Group, Inc.	SELL	1.27	Ordinary	(10,315)	(10,315)
18-Sep-19	The Vanguard Group, Inc.	SELL	1.27	Ordinary	(61,890)	(61,890)
18-Sep-19	The Vanguard Group, Inc.	SELL	1.27	Ordinary	(13,058)	(13,058)
19-Sep-19	The Vanguard Group, Inc.	BUY	1.28	Ordinary	19,999	19,999
19-Sep-19	The Vanguard Group, Inc.	BUY	1.28	Ordinary	125,873	125,873
19-Sep-19	The Vanguard Group, Inc.	BUY	1.28	Ordinary	111,213	111,213
19-Sep-19	The Vanguard Group, Inc.	BUY	1.28	Ordinary	5,986	5,986
19-Sep-19	The Vanguard Group, Inc.	BUY	1.28	Ordinary	53,344	53,344
20-Sep-19	The Vanguard Group, Inc.	BUY	1.30	Ordinary	449,449	449,449
20-Sep-19	The Vanguard Group, Inc.	BUY	1.30	Ordinary	2,828,917	2,828,917
20-Sep-19	The Vanguard Group, Inc.	BUY	1.30	Ordinary	2,499,431	2,499,431
20-Sep-19	The Vanguard Group, Inc.	BUY	1.30	Ordinary	134,511	134,511
20-Sep-19	The Vanguard Group, Inc.	BUY	1.30	Ordinary	1,198,852	1,198,852
20-Sep-19	The Vanguard Group, Inc.	BUY	1.30	Ordinary	6,742	6,742
20-Sep-19	The Vanguard Group, Inc.	BUY	1.30	Ordinary	26,455	26,455
20-Sep-19	The Vanguard Group, Inc.	BUY	1.30	Ordinary	2,358	2,358
26-Sep-19	The Vanguard Group, Inc.	BUY	1.27	Ordinary	1,022,956	1,022,956
26-Sep-19	The Vanguard Group, Inc.	BUY	1.28	Ordinary	274,327	274,327
27-Sep-19	The Vanguard Group, Inc.	BUY	1.27	Ordinary	34,979	34,979
2-Oct-19	The Vanguard Group, Inc.	BUY	1.26	Ordinary	31,017	31,017
3-Oct-19	The Vanguard Group, Inc.	BUY	1.25	Ordinary	1,153,731	1,153,731
4-Oct-19	The Vanguard Group, Inc.	BUY	1.26	Ordinary	703,438	703,438
4-Oct-19	The Vanguard Group, Inc.	BUY	1.25	Ordinary	244,891	244,891
4-Oct-19	The Vanguard Group, Inc.	BUY	1.27	Ordinary	65,132	65,132
7-Oct-19	The Vanguard Group, Inc.	BUY	1.27	Ordinary	222,561	222,561
8-Oct-19	The Vanguard Group, Inc.	BUY	1.28	Ordinary	453,116	453,116
21-Oct-19	The Vanguard Group, Inc.	BUY	1.31	Ordinary	31,017	31,017
25-Oct-19	The Vanguard Group, Inc.	SELL	1.32	Ordinary	(32,928)	(32,928)
25-Oct-19	The Vanguard Group, Inc.	BUY	1.32	Ordinary	27,567	27,567
29-Oct-19	The Vanguard Group, Inc.	SELL	1.32	Ordinary	(10,907)	(10,907)
1-Nov-19	The Vanguard Group, Inc.	BUY	1.33	Ordinary	1,465	1,465
6-Nov-19	The Vanguard Group, Inc.	BUY	1.33	Ordinary	400,115	400,115
7-Nov-19	The Vanguard Group, Inc.	BUY	1.33	Ordinary	41,356	41,356
14-Nov-19	The Vanguard Group, Inc.	BUY	1.27	Ordinary	20,678	20,678
22-Nov-19	The Vanguard Group, Inc.	BUY	1.23	Ordinary	3,842	3,842
26-Nov-19	The Vanguard Group, Inc.	BUY	1.24	Ordinary	74,483	74,483
2-Dec-19	The Vanguard Group, Inc.	BUY	1.23	Ordinary	64,946	64,946
4-Dec-19	The Vanguard Group, Inc.	BUY	1.22	Ordinary	524,455	524,455
5-Dec-19	The Vanguard Group, Inc.	SELL	1.22	Ordinary	(120,355)	(120,355)
11-Dec-19	The Vanguard Group, Inc.	BUY	1.20	Ordinary	383,846	383,846
14-Jun-18	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	24,000	24,000
15-Jun-18	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	51,961	51,961
15-Jun-18	Vanguard Investments Australia Ltd.	SELL	1.10	Ordinary	(289,749)	(289,749)
21-Jun-18	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	303,079	303,079
25-Jun-18	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	26,632	26,632
28-Jun-18	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	667,068	667,068
29-Jun-18	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	43,260	43,260
29-Jun-18	Vanguard Investments Australia Ltd.	SELL	1.12	Ordinary	(237,095)	(237,095)
5-Jul-18	Vanguard Investments Australia Ltd.	SELL	1.13	Ordinary	(26,921)	(26,921)
5-Jul-18	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	21,488	21,488

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
6-Jul-18	Vanguard Investments Australia Ltd.	BUY	1.14	Ordinary	42,976	42,976
6-Jul-18	Vanguard Investments Australia Ltd.	BUY	1.14	Ordinary	19,989	19,989
9-Jul-18	Vanguard Investments Australia Ltd.	BUY	1.14	Ordinary	19,791	19,791
12-Jul-18	Vanguard Investments Australia Ltd.	SELL	1.14	Ordinary	(223,977)	(223,977)
16-Jul-18	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	42,976	42,976
16-Jul-18	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	13,326	13,326
18-Jul-18	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	42,976	42,976
20-Jul-18	Vanguard Investments Australia Ltd.	BUY	1.14	Ordinary	22,891	22,891
23-Jul-18	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	19,791	19,791
26-Jul-18	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	42,976	42,976
2-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	26,388	26,388
2-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	20,007	20,007
3-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	85,952	85,952
9-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	42,976	42,976
13-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	264,639	264,639
13-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	26,388	26,388
14-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.14	Ordinary	376,393	376,393
15-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	43,402	43,402
15-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	11,628	11,628
15-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.14	Ordinary	110,489	110,489
20-Aug-18	Vanguard Investments Australia Ltd.	SELL	1.15	Ordinary	(47,242)	(47,242)
21-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	19,380	19,380
23-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	43,402	43,402
29-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	41,008	41,008
29-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	333,168	333,168
30-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	19,806	19,806
31-Aug-18	Vanguard Investments Australia Ltd.	SELL	1.11	Ordinary	(47,451)	(47,451)
31-Aug-18	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	19,806	19,806
4-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	43,402	43,402
4-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	22,550	22,550
10-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	43,308	43,308
10-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	86,616	86,616
10-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	20,500	20,500
17-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	24,189	24,189
18-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.14	Ordinary	20,085	20,085
19-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	43,304	43,304
20-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.12	Ordinary	(9,508)	(9,508)
20-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.12	Ordinary	(30,951)	(30,951)
20-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.12	Ordinary	(46,868)	(46,868)
20-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.12	Ordinary	(87,510)	(87,510)
20-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.12	Ordinary	(1,118,259)	(1,118,259)
21-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.11	Ordinary	(66,476)	(66,476)
21-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.11	Ordinary	(44,811)	(44,811)
21-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.11	Ordinary	(145,887)	(145,887)
21-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.11	Ordinary	(220,917)	(220,917)
21-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.11	Ordinary	(412,490)	(412,490)
21-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.11	Ordinary	(5,301,440)	(5,301,440)
26-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.10	Ordinary	(23,039)	(23,039)
26-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	39,028	39,028
26-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	11,130	11,130
27-Sep-18	Vanguard Investments Australia Ltd.	BUY	1.07	Ordinary	154,000	154,000
28-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.07	Ordinary	(176,394)	(176,394)
28-Sep-18	Vanguard Investments Australia Ltd.	SELL	1.07	Ordinary	(19,866)	(19,866)
1-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.07	Ordinary	17,424	17,424
3-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.07	Ordinary	77,804	77,804
4-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.06	Ordinary	38,902	38,902
4-Oct-18	Vanguard Investments Australia Ltd.	SELL	1.06	Ordinary	(588,413)	(588,413)
8-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.06	Ordinary	19,866	19,866
8-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.06	Ordinary	17,424	17,424
10-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.06	Ordinary	24,691	24,691
11-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.04	Ordinary	21,492	21,492
15-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	57,903	57,903
16-Oct-18	Vanguard Investments Australia Ltd.	SELL	1.02	Ordinary	(30,592)	(30,592)
17-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.03	Ordinary	30,447	30,447
23-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	19,863	19,863
23-Oct-18	Vanguard Investments Australia Ltd.	SELL	1.02	Ordinary	(28,898)	(28,898)

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
24-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.04	Ordinary	21,492	21,492
25-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.04	Ordinary	38,602	38,602
25-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.04	Ordinary	13,242	13,242
25-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.04	Ordinary	25,074	25,074
31-Oct-18	Vanguard Investments Australia Ltd.	SELL	1.03	Ordinary	(48,815)	(48,815)
31-Oct-18	Vanguard Investments Australia Ltd.	SELL	1.03	Ordinary	(96,505)	(96,505)
31-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.03	Ordinary	28,448	28,448
31-Oct-18	Vanguard Investments Australia Ltd.	BUY	1.03	Ordinary	5,334	5,334
1-Nov-18	Vanguard Investments Australia Ltd.	SELL	1.02	Ordinary	(40,772)	(40,772)
1-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	3,556	3,556
2-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	38,602	38,602
2-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	57,903	57,903
2-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	25,168	25,168
9-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.03	Ordinary	38,702	38,702
12-Nov-18	Vanguard Investments Australia Ltd.	SELL	1.04	Ordinary	(159,258)	(159,258)
12-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.04	Ordinary	25,168	25,168
13-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.04	Ordinary	20,022	20,022
14-Nov-18	Vanguard Investments Australia Ltd.	SELL	1.03	Ordinary	(388,632)	(388,632)
15-Nov-18	Vanguard Investments Australia Ltd.	SELL	1.03	Ordinary	(18,620)	(18,620)
19-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	178,558	178,558
20-Nov-18	Vanguard Investments Australia Ltd.	SELL	1.02	Ordinary	(138,650)	(138,650)
22-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.03	Ordinary	24,976	24,976
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.03	Ordinary	19,992	19,992
29-Nov-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	21,219	21,219
30-Nov-18	Vanguard Investments Australia Ltd.	BUY	0.99	Ordinary	44,502	44,502
3-Dec-18	Vanguard Investments Australia Ltd.	SELL	1.01	Ordinary	(32,543)	(32,543)
3-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.01	Ordinary	25,077	25,077
5-Dec-18	Vanguard Investments Australia Ltd.	SELL	1.01	Ordinary	(877,596)	(877,596)
5-Dec-18	Vanguard Investments Australia Ltd.	SELL	1.01	Ordinary	(549,759)	(549,759)
6-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	72,204	72,204
6-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	762,352	762,352
6-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	45,500	45,500
11-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.01	Ordinary	37,620	37,620
11-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.01	Ordinary	22,572	22,572
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	50,314	50,314
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	40,054	40,054
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	1,162,675	1,162,675
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	92,681	92,681
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	74,158	74,158
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	163,827	163,827
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	33,049	33,049
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	912,171	912,171
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	363,245	363,245
12-Dec-18	Vanguard Investments Australia Ltd.	SELL	1.02	Ordinary	(38,706)	(38,706)
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	408,560	408,560
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	801,177	801,177
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	8,993,861	8,993,861
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	199,908	199,908
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	1,874,024	1,874,024
14-Dec-18	Vanguard Investments Australia Ltd.	SELL	1.01	Ordinary	(11,286)	(11,286)
18-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.01	Ordinary	68,283	68,283
19-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.01	Ordinary	470,470	470,470
20-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.01	Ordinary	45,522	45,522
20-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.02	Ordinary	564,564	564,564
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.00	Ordinary	83,046	83,046
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.00	Ordinary	1,256,177	1,256,177
27-Dec-18	Vanguard Investments Australia Ltd.	BUY	1.00	Ordinary	8,928	8,928
31-Dec-18	Vanguard Investments Australia Ltd.	SELL	0.99	Ordinary	(229,084)	(229,084)
8-Jan-19	Vanguard Investments Australia Ltd.	BUY	0.99	Ordinary	13,350	13,350
9-Jan-19	Vanguard Investments Australia Ltd.	BUY	0.99	Ordinary	46,752	46,752
11-Jan-19	Vanguard Investments Australia Ltd.	BUY	1.00	Ordinary	16,284	16,284
14-Jan-19	Vanguard Investments Australia Ltd.	BUY	1.00	Ordinary	22,599	22,599
22-Jan-19	Vanguard Investments Australia Ltd.	BUY	1.03	Ordinary	70,122	70,122
23-Jan-19	Vanguard Investments Australia Ltd.	SELL	1.04	Ordinary	(32,898)	(32,898)
23-Jan-19	Vanguard Investments Australia Ltd.	BUY	1.04	Ordinary	23,374	23,374
29-Jan-19	Vanguard Investments Australia Ltd.	SELL	1.06	Ordinary	(134,701)	(134,701)

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
30-Jan-19	Vanguard Investments Australia Ltd.	BUY	1.07	Ordinary	4,888	4,888
4-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.07	Ordinary	188,871	188,871
4-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.07	Ordinary	46,744	46,744
5-Feb-19	Vanguard Investments Australia Ltd.	SELL	1.08	Ordinary	(85,540)	(85,540)
7-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	160,747	160,747
7-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	57,886	57,886
7-Feb-19	Vanguard Investments Australia Ltd.	SELL	1.09	Ordinary	(33,111)	(33,111)
7-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	30,128	30,128
12-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	15,100	15,100
14-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.08	Ordinary	70,584	70,584
19-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.08	Ordinary	11,825	11,825
20-Feb-19	Vanguard Investments Australia Ltd.	SELL	1.07	Ordinary	(27,792)	(27,792)
25-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	53,021	53,021
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	23,528	23,528
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	22,650	22,650
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	10,750	10,750
27-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	19,331	19,331
27-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	134,524	134,524
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	34,951	34,951
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	70,584	70,584
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	243,228	243,228
1-Mar-19	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	27,012	27,012
1-Mar-19	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	120,005	120,005
5-Mar-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	68,800	68,800
12-Mar-19	Vanguard Investments Australia Ltd.	SELL	1.10	Ordinary	(41,067)	(41,067)
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	23,528	23,528
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	257,834	257,834
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	352,783	352,783
19-Mar-19	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	70,803	70,803
20-Mar-19	Vanguard Investments Australia Ltd.	SELL	1.10	Ordinary	(28,116)	(28,116)
26-Mar-19	Vanguard Investments Australia Ltd.	SELL	1.11	Ordinary	(23,397)	(23,397)
29-Mar-19	Vanguard Investments Australia Ltd.	SELL	1.10	Ordinary	(491,820)	(491,820)
1-Apr-19	Vanguard Investments Australia Ltd.	SELL	1.10	Ordinary	(199,226)	(199,226)
2-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	8,610	8,610
4-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.08	Ordinary	23,502	23,502
5-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.08	Ordinary	70,506	70,506
8-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	23,502	23,502
8-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.09	Ordinary	8,696	8,696
9-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	397,554	397,554
10-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.10	Ordinary	23,478	23,478
12-Apr-19	Vanguard Investments Australia Ltd.	SELL	1.11	Ordinary	(57,489)	(57,489)
15-Apr-19	Vanguard Investments Australia Ltd.	SELL	1.11	Ordinary	(18,360)	(18,360)
15-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.11	Ordinary	46,942	46,942
16-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	128,233	128,233
29-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	70,410	70,410
29-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	46,940	46,940
30-Apr-19	Vanguard Investments Australia Ltd.	SELL	1.13	Ordinary	(56,204)	(56,204)
30-Apr-19	Vanguard Investments Australia Ltd.	BUY	1.13	Ordinary	14,064	14,064
1-May-19	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	46,393	46,393
1-May-19	Vanguard Investments Australia Ltd.	BUY	1.12	Ordinary	74,764	74,764
3-May-19	Vanguard Investments Australia Ltd.	SELL	1.14	Ordinary	(26,691)	(26,691)
3-May-19	Vanguard Investments Australia Ltd.	SELL	1.13	Ordinary	(407,064)	(407,064)
3-May-19	Vanguard Investments Australia Ltd.	SELL	1.15	Ordinary	(209,467)	(209,467)
7-May-19	Vanguard Investments Australia Ltd.	SELL	1.15	Ordinary	(220,623)	(220,623)
9-May-19	Vanguard Investments Australia Ltd.	BUY	1.18	Ordinary	70,407	70,407
10-May-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	279,528	279,528
10-May-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	13,599	13,599
14-May-19	Vanguard Investments Australia Ltd.	SELL	1.17	Ordinary	(25,486)	(25,486)
14-May-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	46,588	46,588
17-May-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	15,110	15,110
21-May-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	15,110	15,110
22-May-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	93,176	93,176
23-May-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	81,389	81,389
24-May-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	46,576	46,576
28-May-19	Vanguard Investments Australia Ltd.	SELL	1.19	Ordinary	(93,579)	(93,579)
28-May-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	25,360	25,360

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
29-May-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	69,831	69,831
29-May-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	14,206	14,206
30-May-19	Vanguard Investments Australia Ltd.	BUY	1.16	Ordinary	46,272	46,272
30-May-19	Vanguard Investments Australia Ltd.	SELL	1.16	Ordinary	(344,538)	(344,538)
4-Jun-19	Vanguard Investments Australia Ltd.	SELL	1.17	Ordinary	(17,502)	(17,502)
4-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	25,360	25,360
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.18	Ordinary	46,276	46,276
6-Jun-19	Vanguard Investments Australia Ltd.	SELL	1.18	Ordinary	(98,051)	(98,051)
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.18	Ordinary	30,432	30,432
11-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	92,548	92,548
14-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	69,414	69,414
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	14,200	14,200
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	19,504	19,504
19-Jun-19	Vanguard Investments Australia Ltd.	SELL	1.23	Ordinary	(35,067)	(35,067)
20-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	69,414	69,414
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.25	Ordinary	109,409	109,409
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.25	Ordinary	119,797	119,797
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.25	Ordinary	92,552	92,552
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.25	Ordinary	14,628	14,628
25-Jun-19	Vanguard Investments Australia Ltd.	SELL	1.26	Ordinary	(183,838)	(183,838)
25-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.26	Ordinary	14,274	14,274
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	82,123	82,123
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	51,527	51,527
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	177,408	177,408
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	117,293	117,293
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	81,088	81,088
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	179,136	179,136
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	38,589	38,589
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	960,259	960,259
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	382,155	382,155
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	446,739	446,739
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	969,135	969,135
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.16	Ordinary	93,884	93,884
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	10,221,271	10,221,271
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	224,359	224,359
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.16	Ordinary	17,066	17,066
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	1.15	Ordinary	2,097,983	2,097,983
28-Jun-19	Vanguard Investments Australia Ltd.	SELL	1.16	Ordinary	(553,492)	(553,492)
1-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.18	Ordinary	45,680	45,680
2-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.18	Ordinary	26,544	26,544
3-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	91,296	91,296
3-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	85,106	85,106
5-Jul-19	Vanguard Investments Australia Ltd.	SELL	1.23	Ordinary	(35,521)	(35,521)
8-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	14,400	14,400
9-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	14,400	14,400
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	28,911	28,911
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	103,968	103,968
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	14,136	14,136
15-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	77,976	77,976
16-Jul-19	Vanguard Investments Australia Ltd.	SELL	1.16	Ordinary	(722,760)	(722,760)
16-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.16	Ordinary	28,392	28,392
17-Jul-19	Vanguard Investments Australia Ltd.	SELL	1.17	Ordinary	(74,555)	(74,555)
17-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	51,984	51,984
18-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	25,869	25,869
22-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	77,973	77,973
22-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	51,982	51,982
24-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	34,166	34,166
25-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	77,973	77,973
29-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	51,982	51,982
29-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	90,427	90,427
30-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	84,034	84,034
30-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.20	Ordinary	25,432	25,432
31-Jul-19	Vanguard Investments Australia Ltd.	SELL	1.18	Ordinary	(30,015)	(30,015)
31-Jul-19	Vanguard Investments Australia Ltd.	BUY	1.18	Ordinary	51,984	51,984
2-Aug-19	Vanguard Investments Australia Ltd.	SELL	1.21	Ordinary	(123,072)	(123,072)
2-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	51,926	51,926

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
5-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	17,220	17,220
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	51,926	51,926
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	217,820	217,820
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	20,844	20,844
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.17	Ordinary	20,844	20,844
7-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	22,440	22,440
7-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.19	Ordinary	139,573	139,573
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.22	Ordinary	77,886	77,886
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.22	Ordinary	25,509	25,509
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	77,886	77,886
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	43,675	43,675
12-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	25,234	25,234
13-Aug-19	Vanguard Investments Australia Ltd.	SELL	1.24	Ordinary	(29,078)	(29,078)
14-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	52,156	52,156
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	52,114	52,114
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	132,950	132,950
21-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	78,165	78,165
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	744,156	744,156
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	36,420	36,420
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	27,243	27,243
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	1,054,491	1,054,491
29-Aug-19	Vanguard Investments Australia Ltd.	SELL	1.22	Ordinary	(35,516)	(35,516)
30-Aug-19	Vanguard Investments Australia Ltd.	SELL	1.23	Ordinary	(36,971)	(36,971)
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	78,177	78,177
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	17,766	17,766
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	49,280	49,280
3-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	196,295	196,295
4-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.25	Ordinary	82,877	82,877
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.26	Ordinary	78,102	78,102
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.26	Ordinary	129,162	129,162
6-Sep-19	Vanguard Investments Australia Ltd.	SELL	1.25	Ordinary	(47,053)	(47,053)
10-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	104,132	104,132
10-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	26,751	26,751
11-Sep-19	Vanguard Investments Australia Ltd.	SELL	1.23	Ordinary	(34,745)	(34,745)
13-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.25	Ordinary	78,096	78,096
16-Sep-19	Vanguard Investments Australia Ltd.	SELL	1.25	Ordinary	(23,670)	(23,670)
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.26	Ordinary	78,096	78,096
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.26	Ordinary	40,204	40,204
18-Sep-19	Vanguard Investments Australia Ltd.	SELL	1.27	Ordinary	(79,681)	(79,681)
20-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.30	Ordinary	220,763	220,763
20-Sep-19	Vanguard Investments Australia Ltd.	SELL	1.29	Ordinary	(88,030)	(88,030)
20-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.30	Ordinary	84,286	84,286
20-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.30	Ordinary	21,260	21,260
23-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.28	Ordinary	77,739	77,739
23-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.28	Ordinary	32,520	32,520
24-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.28	Ordinary	51,826	51,826
24-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.28	Ordinary	247,806	247,806
25-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.28	Ordinary	29,540	29,540
26-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	77,775	77,775
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	26,766	26,766
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	25,536	25,536
1-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	131,321	131,321
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.26	Ordinary	129,020	129,020
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.26	Ordinary	42,047	42,047
2-Oct-19	Vanguard Investments Australia Ltd.	SELL	1.26	Ordinary	(53,112)	(53,112)
3-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.25	Ordinary	120,442	120,442
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	76,229	76,229
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	38,403	38,403
7-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.28	Ordinary	247,719	247,719
9-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	128,855	128,855
10-Oct-19	Vanguard Investments Australia Ltd.	SELL	1.27	Ordinary	(15,579)	(15,579)
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	35,656	35,656
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	35,656	35,656
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	19,144	19,144
14-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.26	Ordinary	253,409	253,409
16-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.30	Ordinary	300,301	300,301

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
16-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.30	Ordinary	103,080	103,080
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.31	Ordinary	124,810	124,810
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.31	Ordinary	23,810	23,810
21-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.31	Ordinary	77,250	77,250
22-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.33	Ordinary	23,740	23,740
28-Oct-19	Vanguard Investments Australia Ltd.	SELL	1.32	Ordinary	(22,724)	(22,724)
28-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.32	Ordinary	77,244	77,244
28-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.32	Ordinary	23,200	23,200
29-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.32	Ordinary	17	17
30-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.32	Ordinary	60,730	60,730
30-Oct-19	Vanguard Investments Australia Ltd.	SELL	1.32	Ordinary	(18,939)	(18,939)
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.33	Ordinary	49,137	49,137
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.33	Ordinary	102,996	102,996
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	1.33	Ordinary	53,952	53,952
31-Oct-19	Vanguard Investments Australia Ltd.	SELL	1.33	Ordinary	(26,976)	(26,976)
1-Nov-19	Vanguard Investments Australia Ltd.	SELL	1.34	Ordinary	(37,805)	(37,805)
1-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.33	Ordinary	223,444	223,444
4-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.34	Ordinary	51,498	51,498
5-Nov-19	Vanguard Investments Australia Ltd.	SELL	1.34	Ordinary	(307,406)	(307,406)
5-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.34	Ordinary	27,228	27,228
6-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.33	Ordinary	102,916	102,916
11-Nov-19	Vanguard Investments Australia Ltd.	SELL	1.30	Ordinary	(48,989)	(48,989)
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.30	Ordinary	51,458	51,458
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.30	Ordinary	54,264	54,264
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.30	Ordinary	35,612	35,612
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.30	Ordinary	71,224	71,224
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.30	Ordinary	62,321	62,321
12-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.28	Ordinary	77,187	77,187
12-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.28	Ordinary	25,663	25,663
13-Nov-19	Vanguard Investments Australia Ltd.	SELL	1.27	Ordinary	(212,797)	(212,797)
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	26,793	26,793
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	6,681	6,681
15-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	51,456	51,456
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	21,438	21,438
19-Nov-19	Vanguard Investments Australia Ltd.	SELL	1.27	Ordinary	(19,841)	(19,841)
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	71,336	71,336
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	44,585	44,585
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.27	Ordinary	29,523	29,523
20-Nov-19	Vanguard Investments Australia Ltd.	SELL	1.24	Ordinary	(144,815)	(144,815)
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	77,124	77,124
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	77,124	77,124
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	15,876	15,876
21-Nov-19	Vanguard Investments Australia Ltd.	SELL	1.24	Ordinary	(80,645)	(80,645)
21-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	47,544	47,544
22-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	51,422	51,422
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	125,993	125,993
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	80,001	80,001
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	44,445	44,445
26-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	51,422	51,422
26-Nov-19	Vanguard Investments Australia Ltd.	SELL	1.24	Ordinary	(42,719)	(42,719)
27-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	102,840	102,840
28-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	128,530	128,530
29-Nov-19	Vanguard Investments Australia Ltd.	SELL	1.23	Ordinary	(62,740)	(62,740)
29-Nov-19	Vanguard Investments Australia Ltd.	BUY	1.23	Ordinary	28,128	28,128
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	102,824	102,824
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	77,118	77,118
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.24	Ordinary	92,100	92,100
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.22	Ordinary	102,820	102,820
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.22	Ordinary	102,820	102,820
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.22	Ordinary	82,305	82,305
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.22	Ordinary	51,370	51,370
6-Dec-19	Vanguard Investments Australia Ltd.	SELL	1.22	Ordinary	(20,576)	(20,576)
6-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.22	Ordinary	77,115	77,115
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	172,836	172,836
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	27,792	27,792
10-Dec-19	Vanguard Investments Australia Ltd.	SELL	1.21	Ordinary	(16,133)	(16,133)

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
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	36,341	36,341
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	77,112	77,112
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	1.21	Ordinary	77,112	77,112

This is Annexure A of 11 pages referred to in Form 604, Notice of change in substantial ownership

Signature:



Name:

Shawn Acker

Capacity:

Compliance Manager

Date:

16-Dec-19