

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme
ACN/ARSN

National Storage Holdings Limited
166 572 845

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

20 December 2019

The previous notice was given to the company on

28 December 2018

The previous notice was dated

28 December 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	61,726,506	9.234%	80,696,706	10.240%

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 – 2,784,171	2,784,171
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 – 56,650,627	56,650,627
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 – 318,766	318,766
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 – 9,607,778	9,607,778
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 – 11,335,364	11,335,364

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:

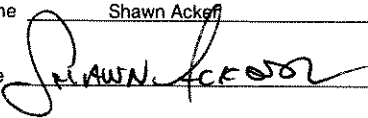
Name and ACN/ARSN (if applicable)	Nature of association
N/A	N/A

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 Ackert capacity Compliance Manager
sign here  date 24 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.

To Company
ACN/ARSN National Storage Holdings Limited
166 572 845

Substantial Holder Name
ACN/ARSN Vanguard Group
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
24-Dec-2018	The Vanguard Group, Inc.	BUY	1.80	Ordinary	7,691	7,691
28-Dec-2018	The Vanguard Group, Inc.	BUY	1.27	Ordinary	6,077	6,077
2-Jan-2019	The Vanguard Group, Inc.	BUY	1.77	Ordinary	29,448	29,448
2-Jan-2019	The Vanguard Group, Inc.	BUY	1.77	Ordinary	14,724	14,724
2-Jan-2019	The Vanguard Group, Inc.	BUY	1.77	Ordinary	44,172	44,172
3-Jan-2019	The Vanguard Group, Inc.	BUY	1.77	Ordinary	238,747	238,747
3-Jan-2019	The Vanguard Group, Inc.	BUY	1.76	Ordinary	11,043	11,043
4-Jan-2019	The Vanguard Group, Inc.	BUY	1.75	Ordinary	300,562	300,562
4-Jan-2019	The Vanguard Group, Inc.	BUY	1.76	Ordinary	3,681	3,681
7-Jan-2019	The Vanguard Group, Inc.	BUY	1.76	Ordinary	27,489	27,489
10-Jan-2019	The Vanguard Group, Inc.	BUY	1.76	Ordinary	7,262	7,262
11-Jan-2019	The Vanguard Group, Inc.	BUY	1.77	Ordinary	14,524	14,524
15-Jan-2019	The Vanguard Group, Inc.	SELL	1.76	Ordinary	(3,631)	(3,631)
16-Jan-2019	The Vanguard Group, Inc.	SELL	1.75	Ordinary	(72,620)	(72,620)
17-Jan-2019	The Vanguard Group, Inc.	BUY	1.75	Ordinary	5,357	5,357
29-Jan-2019	The Vanguard Group, Inc.	SELL	1.79	Ordinary	(14,724)	(14,724)
1-Feb-2019	The Vanguard Group, Inc.	SELL	1.80	Ordinary	(18,155)	(18,155)
1-Feb-2019	The Vanguard Group, Inc.	SELL	1.80	Ordinary	(14,524)	(14,524)
1-Feb-2019	The Vanguard Group, Inc.	SELL	1.80	Ordinary	(14,724)	(14,724)
1-Feb-2019	The Vanguard Group, Inc.	SELL	1.80	Ordinary	(18,405)	(18,405)
7-Feb-2019	The Vanguard Group, Inc.	SELL	1.85	Ordinary	(15,512)	(15,512)
7-Feb-2019	The Vanguard Group, Inc.	SELL	1.85	Ordinary	(14,724)	(14,724)
8-Feb-2019	The Vanguard Group, Inc.	SELL	1.86	Ordinary	(11,043)	(11,043)
12-Feb-2019	The Vanguard Group, Inc.	BUY	1.90	Ordinary	7,170	7,170
13-Feb-2019	The Vanguard Group, Inc.	SELL	1.88	Ordinary	(25,767)	(25,767)
15-Feb-2019	The Vanguard Group, Inc.	SELL	1.87	Ordinary	(14,724)	(14,724)
22-Feb-2019	The Vanguard Group, Inc.	SELL	1.89	Ordinary	(18,405)	(18,405)
25-Feb-2019	The Vanguard Group, Inc.	BUY	1.89	Ordinary	3,631	3,631
25-Feb-2019	The Vanguard Group, Inc.	SELL	1.89	Ordinary	(7,362)	(7,362)
25-Feb-2019	The Vanguard Group, Inc.	SELL	1.89	Ordinary	(11,043)	(11,043)
25-Feb-2019	The Vanguard Group, Inc.	SELL	1.89	Ordinary	(7,362)	(7,362)
28-Feb-2019	The Vanguard Group, Inc.	BUY	1.76	Ordinary	31,397	31,397
1-Mar-2019	The Vanguard Group, Inc.	BUY	1.78	Ordinary	10,893	10,893
5-Mar-2019	The Vanguard Group, Inc.	BUY	1.75	Ordinary	18,155	18,155
6-Mar-2019	The Vanguard Group, Inc.	BUY	1.76	Ordinary	13,002	13,002
13-Mar-2019	The Vanguard Group, Inc.	BUY	1.75	Ordinary	16,401	16,401
15-Mar-2019	The Vanguard Group, Inc.	BUY	1.75	Ordinary	218,910	218,910
15-Mar-2019	The Vanguard Group, Inc.	BUY	1.75	Ordinary	3,433	3,433
22-Mar-2019	The Vanguard Group, Inc.	BUY	1.76	Ordinary	25,887	25,887
27-Mar-2019	The Vanguard Group, Inc.	BUY	1.76	Ordinary	15,040	15,040
27-Mar-2019	The Vanguard Group, Inc.	SELL	1.76	Ordinary	(7,362)	(7,362)
1-Apr-2019	The Vanguard Group, Inc.	BUY	1.76	Ordinary	13,356	13,356
3-Apr-2019	The Vanguard Group, Inc.	BUY	1.75	Ordinary	163,795	163,795
5-Apr-2019	The Vanguard Group, Inc.	BUY	1.72	Ordinary	11,280	11,280
5-Apr-2019	The Vanguard Group, Inc.	BUY	1.72	Ordinary	3,760	3,760
15-Apr-2019	The Vanguard Group, Inc.	BUY	1.74	Ordinary	12,537	12,537
16-Apr-2019	The Vanguard Group, Inc.	BUY	1.74	Ordinary	66,849	66,849
16-Apr-2019	The Vanguard Group, Inc.	BUY	1.75	Ordinary	29,802	29,802
26-Apr-2019	The Vanguard Group, Inc.	BUY	1.81	Ordinary	2,125	2,125
26-Apr-2019	The Vanguard Group, Inc.	BUY	1.81	Ordinary	4,967	4,967
26-Apr-2019	The Vanguard Group, Inc.	BUY	1.81	Ordinary	14,901	14,901
29-Apr-2019	The Vanguard Group, Inc.	BUY	1.79	Ordinary	143,209	143,209
29-Apr-2019	The Vanguard Group, Inc.	BUY	1.80	Ordinary	6,970	6,970
6-May-2019	The Vanguard Group, Inc.	SELL	1.74	Ordinary	(16,458)	(16,458)
8-May-2019	The Vanguard Group, Inc.	SELL	1.72	Ordinary	(16,458)	(16,458)
8-May-2019	The Vanguard Group, Inc.	BUY	1.72	Ordinary	13,940	13,940
9-May-2019	The Vanguard Group, Inc.	BUY	1.72	Ordinary	2,550	2,550
10-May-2019	The Vanguard Group, Inc.	BUY	1.73	Ordinary	2,241	2,241
14-May-2019	The Vanguard Group, Inc.	SELL	1.74	Ordinary	(16,458)	(16,458)
17-May-2019	The Vanguard Group, Inc.	BUY	1.74	Ordinary	8,582	8,582
22-May-2019	The Vanguard Group, Inc.	BUY	1.70	Ordinary	13,940	13,940
28-May-2019	The Vanguard Group, Inc.	BUY	1.72	Ordinary	2,125	2,125
28-May-2019	The Vanguard Group, Inc.	BUY	1.73	Ordinary	24,225	24,225

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-2019	The Vanguard Group, Inc.	BUY	1.71	Ordinary	23,034	23,034
29-May-2019	The Vanguard Group, Inc.	BUY	1.69	Ordinary	11,043	11,043
29-May-2019	The Vanguard Group, Inc.	SELL	1.70	Ordinary	(1,756)	(1,756)
4-Jun-2019	The Vanguard Group, Inc.	BUY	1.71	Ordinary	11,043	11,043
5-Jun-2019	The Vanguard Group, Inc.	SELL	1.72	Ordinary	(21,944)	(21,944)
5-Jun-2019	The Vanguard Group, Inc.	SELL	1.72	Ordinary	(10,972)	(10,972)
7-Jun-2019	The Vanguard Group, Inc.	BUY	1.76	Ordinary	102,490	102,490
11-Jun-2019	The Vanguard Group, Inc.	SELL	1.81	Ordinary	(13,715)	(13,715)
11-Jun-2019	The Vanguard Group, Inc.	BUY	1.80	Ordinary	106,006	106,006
11-Jun-2019	The Vanguard Group, Inc.	BUY	1.80	Ordinary	20,000	20,000
12-Jun-2019	The Vanguard Group, Inc.	BUY	1.81	Ordinary	121,931	121,931
18-Jun-2019	The Vanguard Group, Inc.	BUY	1.86	Ordinary	100,838	100,838
25-Jun-2019	The Vanguard Group, Inc.	SELL	1.84	Ordinary	(7,011)	(7,011)
25-Jun-2019	The Vanguard Group, Inc.	SELL	1.84	Ordinary	(7,011)	(7,011)
26-Jun-2019	The Vanguard Group, Inc.	BUY	1.71	Ordinary	601,394	601,394
27-Jun-2019	The Vanguard Group, Inc.	BUY	1.44	Ordinary	10,252	10,252
1-Jul-2019	The Vanguard Group, Inc.	BUY	1.71	Ordinary	44,600	44,600
12-Jul-2019	The Vanguard Group, Inc.	BUY	1.77	Ordinary	62,945	62,945
17-Jul-2019	The Vanguard Group, Inc.	BUY	1.74	Ordinary	41,294	41,294
18-Jul-2019	The Vanguard Group, Inc.	SELL	1.73	Ordinary	(24,066)	(24,066)
18-Jul-2019	The Vanguard Group, Inc.	SELL	1.73	Ordinary	(8,022)	(8,022)
18-Jul-2019	The Vanguard Group, Inc.	SELL	1.73	Ordinary	(36,099)	(36,099)
19-Jul-2019	The Vanguard Group, Inc.	SELL	1.72	Ordinary	(48,132)	(48,132)
22-Jul-2019	The Vanguard Group, Inc.	SELL	1.72	Ordinary	(16,044)	(16,044)
22-Jul-2019	The Vanguard Group, Inc.	SELL	1.72	Ordinary	(24,066)	(24,066)
25-Jul-2019	The Vanguard Group, Inc.	SELL	1.73	Ordinary	(20,055)	(20,055)
29-Jul-2019	The Vanguard Group, Inc.	SELL	1.67	Ordinary	(8,022)	(8,022)
30-Jul-2019	The Vanguard Group, Inc.	SELL	1.65	Ordinary	(8,000)	(8,000)
5-Aug-2019	The Vanguard Group, Inc.	SELL	1.65	Ordinary	(12,033)	(12,033)
5-Aug-2019	The Vanguard Group, Inc.	SELL	1.65	Ordinary	(11,043)	(11,043)
5-Aug-2019	The Vanguard Group, Inc.	SELL	1.65	Ordinary	(11,043)	(11,043)
6-Aug-2019	The Vanguard Group, Inc.	BUY	1.63	Ordinary	330,704	330,704
7-Aug-2019	The Vanguard Group, Inc.	BUY	1.65	Ordinary	4,618	4,618
8-Aug-2019	The Vanguard Group, Inc.	SELL	1.66	Ordinary	(10,000)	(10,000)
13-Aug-2019	The Vanguard Group, Inc.	SELL	1.68	Ordinary	(14,000)	(14,000)
15-Aug-2019	The Vanguard Group, Inc.	SELL	1.68	Ordinary	(12,000)	(12,000)
19-Aug-2019	The Vanguard Group, Inc.	SELL	1.72	Ordinary	(3,681)	(3,681)
20-Aug-2019	The Vanguard Group, Inc.	SELL	1.78	Ordinary	(21,520)	(21,520)
4-Sep-2019	The Vanguard Group, Inc.	SELL	1.81	Ordinary	(3,681)	(3,681)
5-Sep-2019	The Vanguard Group, Inc.	BUY	1.82	Ordinary	43,040	43,040
5-Sep-2019	The Vanguard Group, Inc.	BUY	1.82	Ordinary	34,432	34,432
5-Sep-2019	The Vanguard Group, Inc.	SELL	1.82	Ordinary	(14,569)	(14,569)
6-Sep-2019	The Vanguard Group, Inc.	BUY	1.81	Ordinary	17,216	17,216
16-Sep-2019	The Vanguard Group, Inc.	BUY	1.79	Ordinary	6,000	6,000
17-Sep-2019	The Vanguard Group, Inc.	SELL	1.79	Ordinary	(12,912)	(12,912)
18-Sep-2019	The Vanguard Group, Inc.	SELL	1.79	Ordinary	(25,824)	(25,824)
18-Sep-2019	The Vanguard Group, Inc.	SELL	1.79	Ordinary	(4,304)	(4,304)
18-Sep-2019	The Vanguard Group, Inc.	SELL	1.79	Ordinary	(7,362)	(7,362)
20-Sep-2019	The Vanguard Group, Inc.	BUY	1.80	Ordinary	149,857	149,857
20-Sep-2019	The Vanguard Group, Inc.	BUY	1.80	Ordinary	683,850	683,850
20-Sep-2019	The Vanguard Group, Inc.	SELL	1.80	Ordinary	(119,418)	(119,418)
20-Sep-2019	The Vanguard Group, Inc.	BUY	1.80	Ordinary	288,157	288,157
20-Sep-2019	The Vanguard Group, Inc.	BUY	1.80	Ordinary	14,625	14,625
26-Sep-2019	The Vanguard Group, Inc.	BUY	1.79	Ordinary	203,110	203,110
26-Sep-2019	The Vanguard Group, Inc.	BUY	1.79	Ordinary	70,721	70,721
27-Sep-2019	The Vanguard Group, Inc.	BUY	1.80	Ordinary	37,707	37,707
2-Oct-2019	The Vanguard Group, Inc.	BUY	1.78	Ordinary	12,870	12,870
3-Oct-2019	The Vanguard Group, Inc.	BUY	1.79	Ordinary	356,706	356,706
4-Oct-2019	The Vanguard Group, Inc.	BUY	1.81	Ordinary	207,312	207,312
14-Oct-2019	The Vanguard Group, Inc.	BUY	1.83	Ordinary	51,615	51,615
16-Oct-2019	The Vanguard Group, Inc.	SELL	1.83	Ordinary	(40,200)	(40,200)
18-Oct-2019	The Vanguard Group, Inc.	SELL	1.83	Ordinary	(2,041)	(2,041)
18-Oct-2019	The Vanguard Group, Inc.	SELL	1.83	Ordinary	(20,059)	(20,059)
21-Oct-2019	The Vanguard Group, Inc.	BUY	1.84	Ordinary	12,870	12,870
25-Oct-2019	The Vanguard Group, Inc.	SELL	1.85	Ordinary	(19,440)	(19,440)
29-Oct-2019	The Vanguard Group, Inc.	SELL	1.84	Ordinary	(3,736)	(3,736)
6-Nov-2019	The Vanguard Group, Inc.	BUY	1.89	Ordinary	188,550	188,550
7-Nov-2019	The Vanguard Group, Inc.	BUY	1.90	Ordinary	144,665	144,665
7-Nov-2019	The Vanguard Group, Inc.	BUY	1.91	Ordinary	17,160	17,160

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
7-Nov-2019	The Vanguard Group, Inc.	SELL	1.89	Ordinary	(22,440)	(22,440)
12-Nov-2019	The Vanguard Group, Inc.	SELL	1.92	Ordinary	(12,280)	(12,280)
14-Nov-2019	The Vanguard Group, Inc.	BUY	1.90	Ordinary	8,580	8,580
4-Dec-2019	The Vanguard Group, Inc.	BUY	1.89	Ordinary	215,528	215,528
4-Dec-2019	The Vanguard Group, Inc.	SELL	1.89	Ordinary	(19,465)	(19,465)
5-Dec-2019	The Vanguard Group, Inc.	BUY	1.90	Ordinary	205,265	205,265
5-Dec-2019	The Vanguard Group, Inc.	SELL	1.90	Ordinary	(66,753)	(66,753)
5-Dec-2019	The Vanguard Group, Inc.	SELL	1.90	Ordinary	(32,305)	(32,305)
5-Dec-2019	The Vanguard Group, Inc.	SELL	1.90	Ordinary	(5,245)	(5,245)
17-Dec-2019	The Vanguard Group, Inc.	SELL	1.96	Ordinary	(21,063)	(21,063)
19-Dec-2019	The Vanguard Group, Inc.	BUY	1.91	Ordinary	40,019	40,019
19-Dec-2019	The Vanguard Group, Inc.	BUY	1.92	Ordinary	218	218
20-Dec-2019	The Vanguard Group, Inc.	BUY	1.89	Ordinary	20,954	20,954
20-Dec-2019	The Vanguard Group, Inc.	SELL	1.89	Ordinary	(21,975)	(21,975)
20-Dec-2019	The Vanguard Group, Inc.	BUY	1.89	Ordinary	430	430
27-Dec-2018	Vanguard Investments Australia Ltd.	BUY	1.83	Ordinary	9,342	9,342
31-Dec-2018	Vanguard Investments Australia Ltd.	SELL	1.76	Ordinary	(101,085)	(101,085)
8-Jan-2019	Vanguard Investments Australia Ltd.	BUY	1.73	Ordinary	16,620	16,620
9-Jan-2019	Vanguard Investments Australia Ltd.	BUY	1.75	Ordinary	18,392	18,392
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	1.77	Ordinary	20,724	20,724
14-Jan-2019	Vanguard Investments Australia Ltd.	BUY	1.78	Ordinary	8,538	8,538
16-Jan-2019	Vanguard Investments Australia Ltd.	SELL	1.75	Ordinary	(19,302)	(19,302)
22-Jan-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	27,585	27,585
23-Jan-2019	Vanguard Investments Australia Ltd.	BUY	1.76	Ordinary	9,195	9,195
29-Jan-2019	Vanguard Investments Australia Ltd.	SELL	1.79	Ordinary	(105,898)	(105,898)
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	6,956	6,956
1-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	54,119	54,119
4-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	127,792	127,792
4-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	18,390	18,390
5-Feb-2019	Vanguard Investments Australia Ltd.	SELL	1.82	Ordinary	(121,730)	(121,730)
7-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.85	Ordinary	11,384	11,384
12-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.90	Ordinary	5,704	5,704
14-Feb-2019	Vanguard Investments Australia Ltd.	SELL	1.86	Ordinary	(15,782)	(15,782)
14-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.86	Ordinary	27,855	27,855
19-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.88	Ordinary	17,303	17,303
25-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.90	Ordinary	25,289	25,289
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	9,285	9,285
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	8,556	8,556
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	15,730	15,730
27-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.87	Ordinary	4,935	4,935
27-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.87	Ordinary	48,033	48,033
28-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	10,589	10,589
28-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.76	Ordinary	27,855	27,855
28-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	103,076	103,076
28-Feb-2019	Vanguard Investments Australia Ltd.	BUY	1.76	Ordinary	21,803	21,803
1-Mar-2019	Vanguard Investments Australia Ltd.	BUY	1.78	Ordinary	70,876	70,876
5-Mar-2019	Vanguard Investments Australia Ltd.	BUY	1.76	Ordinary	100,672	100,672
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	1.75	Ordinary	9,285	9,285
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	1.75	Ordinary	216,368	216,368
19-Mar-2019	Vanguard Investments Australia Ltd.	BUY	1.75	Ordinary	27,855	27,855
29-Mar-2019	Vanguard Investments Australia Ltd.	SELL	1.77	Ordinary	(175,477)	(175,477)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.77	Ordinary	20,769	20,769
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	1.77	Ordinary	(76,078)	(76,078)
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.76	Ordinary	80,376	80,376
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.75	Ordinary	11,088	11,088
4-Apr-2019	Vanguard Investments Australia Ltd.	SELL	1.74	Ordinary	(17,746)	(17,746)
4-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	9,246	9,246
5-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.72	Ordinary	27,738	27,738
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.75	Ordinary	9,246	9,246
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.75	Ordinary	13,384	13,384
9-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.73	Ordinary	228,336	228,336
10-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	9,236	9,236
12-Apr-2019	Vanguard Investments Australia Ltd.	SELL	1.75	Ordinary	(38,196)	(38,196)
15-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	18,466	18,466
29-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	27,699	27,699
29-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	18,466	18,466
30-Apr-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	21,336	21,336
2-May-2019	Vanguard Investments Australia Ltd.	SELL	1.79	Ordinary	(75,333)	(75,333)
3-May-2019	Vanguard Investments Australia Ltd.	SELL	1.76	Ordinary	(13,806)	(13,806)

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-May-2019	Vanguard Investments Australia Ltd.	SELL	1.77	Ordinary	(162,991)	(162,991)
6-May-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	69,915	69,915
7-May-2019	Vanguard Investments Australia Ltd.	SELL	1.73	Ordinary	(93,781)	(93,781)
9-May-2019	Vanguard Investments Australia Ltd.	BUY	1.72	Ordinary	27,699	27,699
10-May-2019	Vanguard Investments Australia Ltd.	BUY	1.73	Ordinary	109,968	109,968
10-May-2019	Vanguard Investments Australia Ltd.	BUY	1.73	Ordinary	15,174	15,174
14-May-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	18,328	18,328
16-May-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	84,751	84,751
17-May-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	17,340	17,340
21-May-2019	Vanguard Investments Australia Ltd.	BUY	1.73	Ordinary	16,410	16,410
22-May-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	36,656	36,656
24-May-2019	Vanguard Investments Australia Ltd.	BUY	1.72	Ordinary	18,322	18,322
28-May-2019	Vanguard Investments Australia Ltd.	BUY	1.73	Ordinary	10,700	10,700
29-May-2019	Vanguard Investments Australia Ltd.	BUY	1.70	Ordinary	27,471	27,471
29-May-2019	Vanguard Investments Australia Ltd.	BUY	1.70	Ordinary	6,080	6,080
30-May-2019	Vanguard Investments Australia Ltd.	SELL	1.67	Ordinary	(18,109)	(18,109)
30-May-2019	Vanguard Investments Australia Ltd.	BUY	1.68	Ordinary	18,204	18,204
30-May-2019	Vanguard Investments Australia Ltd.	SELL	1.67	Ordinary	(210,563)	(210,563)
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	10,700	10,700
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	18,204	18,204
6-Jun-2019	Vanguard Investments Australia Ltd.	SELL	1.74	Ordinary	(62,427)	(62,427)
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	12,840	12,840
11-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.81	Ordinary	36,408	36,408
14-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.85	Ordinary	27,306	27,306
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	6,078	6,078
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	8,264	8,264
20-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.86	Ordinary	27,306	27,306
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.83	Ordinary	36,408	36,408
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.83	Ordinary	6,198	6,198
25-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	6,108	6,108
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.78	Ordinary	36,932	36,932
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	1.78	Ordinary	6,587	6,587
28-Jun-2019	Vanguard Investments Australia Ltd.	SELL	1.75	Ordinary	(290,717)	(290,717)
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	20,446	20,446
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	69,273	69,273
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	41,657	41,657
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	32,170	32,170
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	71,796	71,796
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	383,295	383,295
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	152,651	152,651
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	169,021	169,021
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	382,006	382,006
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.77	Ordinary	17,970	17,970
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	4,046,261	4,046,261
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	93,782	93,782
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.71	Ordinary	836,248	836,248
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.75	Ordinary	11,652	11,652
3-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.75	Ordinary	41,428	41,428
5-Jul-2019	Vanguard Investments Australia Ltd.	SELL	1.77	Ordinary	(21,346)	(21,346)
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.76	Ordinary	6,498	6,498
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.77	Ordinary	6,498	6,498
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	41,292	41,292
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	6,600	6,600
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	83,274	83,274
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	30,969	30,969
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	12,972	12,972
17-Jul-2019	Vanguard Investments Australia Ltd.	SELL	1.74	Ordinary	(21,104)	(21,104)
17-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.74	Ordinary	20,646	20,646
18-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.73	Ordinary	10,356	10,356
22-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.72	Ordinary	30,966	30,966
22-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.72	Ordinary	20,644	20,644
25-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.73	Ordinary	30,966	30,966
29-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.67	Ordinary	20,644	20,644
29-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.67	Ordinary	60,874	60,874
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.66	Ordinary	11,550	11,550
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	1.64	Ordinary	20,646	20,646
1-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.65	Ordinary	103,888	103,888
2-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.67	Ordinary	20,622	20,622
5-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.66	Ordinary	6,894	6,894

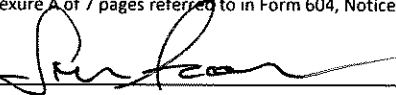
Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.63	Ordinary	20,622	20,622
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.63	Ordinary	20,842	20,842
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.63	Ordinary	9,513	9,513
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.63	Ordinary	9,513	9,513
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.63	Ordinary	96,317	96,317
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.65	Ordinary	84,315	84,315
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.66	Ordinary	30,933	30,933
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.66	Ordinary	11,517	11,517
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.67	Ordinary	30,933	30,933
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.67	Ordinary	17,485	17,485
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.66	Ordinary	11,682	11,682
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.70	Ordinary	20,714	20,714
16-Aug-2019	Vanguard Investments Australia Ltd.	SELL	1.71	Ordinary	(23,621)	(23,621)
19-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.72	Ordinary	20,696	20,696
21-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	31,044	31,044
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.86	Ordinary	296,401	296,401
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.86	Ordinary	14,305	14,305
28-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	21,308	21,308
28-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	454,467	454,467
29-Aug-2019	Vanguard Investments Australia Ltd.	SELL	1.83	Ordinary	(14,288)	(14,288)
30-Aug-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	54,025	54,025
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	31,047	31,047
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	7,148	7,148
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	22,110	22,110
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.82	Ordinary	31,017	31,017
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.77	Ordinary	41,356	41,356
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.77	Ordinary	10,764	10,764
11-Sep-2019	Vanguard Investments Australia Ltd.	SELL	1.77	Ordinary	(22,306)	(22,306)
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	24,607	24,607
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	31,017	31,017
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	31,014	31,014
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	21,432	21,432
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	11,400	11,400
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	30,873	30,873
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	16,800	16,800
24-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	20,582	20,582
24-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	100,908	100,908
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	15,848	15,848
26-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	30,888	30,888
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	10,770	10,770
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	1.80	Ordinary	13,608	13,608
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	85,540	85,540
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	51,240	51,240
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.79	Ordinary	21,432	21,432
2-Oct-2019	Vanguard Investments Australia Ltd.	SELL	1.79	Ordinary	(27,072)	(27,072)
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.81	Ordinary	19,091	19,091
7-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.82	Ordinary	44,649	44,649
9-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.83	Ordinary	51,175	51,175
10-Oct-2019	Vanguard Investments Australia Ltd.	SELL	1.83	Ordinary	(10,841)	(10,841)
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	14,348	14,348
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	14,348	14,348
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	8,760	8,760
14-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.83	Ordinary	97,961	97,961
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	116,088	116,088
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	40,936	40,936
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.83	Ordinary	50,218	50,218
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.83	Ordinary	11,090	11,090
21-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.84	Ordinary	30,681	30,681
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.83	Ordinary	10,990	10,990
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.85	Ordinary	30,678	30,678
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.85	Ordinary	10,870	10,870
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.86	Ordinary	23,477	23,477
30-Oct-2019	Vanguard Investments Australia Ltd.	SELL	1.86	Ordinary	(13,600)	(13,600)
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.86	Ordinary	40,904	40,904
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	1.86	Ordinary	25,752	25,752
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	1.86	Ordinary	(12,876)	(12,876)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	1.89	Ordinary	(26,882)	(26,882)
4-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.90	Ordinary	20,452	20,452
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	1.89	Ordinary	(111,308)	(111,308)

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-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	12,504	12,504
6-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	40,872	40,872
11-Nov-2019	Vanguard Investments Australia Ltd.	SELL	1.91	Ordinary	(34,331)	(34,331)
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.91	Ordinary	20,436	20,436
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.91	Ordinary	86,286	86,286
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.91	Ordinary	14,328	14,328
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.91	Ordinary	25,074	25,074
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.91	Ordinary	28,656	28,656
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.91	Ordinary	37,038	37,038
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	30,654	30,654
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	11,770	11,770
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.87	Ordinary	10,779	10,779
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.87	Ordinary	3,120	3,120
15-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	20,436	20,436
19-Nov-2019	Vanguard Investments Australia Ltd.	SELL	1.93	Ordinary	(13,123)	(13,123)
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	17,940	17,940
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	28,704	28,704
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	13,975	13,975
20-Nov-2019	Vanguard Investments Australia Ltd.	SELL	1.92	Ordinary	(45,162)	(45,162)
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	30,630	30,630
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	30,630	30,630
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	7,574	7,574
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.90	Ordinary	22,617	22,617
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	20,422	20,422
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	61,891	61,891
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	32,184	32,184
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	17,880	17,880
26-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	20,422	20,422
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	1.91	Ordinary	(19,936)	(19,936)
27-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	40,844	40,844
27-Nov-2019	Vanguard Investments Australia Ltd.	SELL	1.92	Ordinary	(17,643)	(17,643)
28-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	51,045	51,045
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	14,004	14,004
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.94	Ordinary	40,836	40,836
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.94	Ordinary	30,627	30,627
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.94	Ordinary	36,577	36,577
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	40,836	40,836
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	40,836	40,836
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	53,191	53,191
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	25,850	25,850
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	224,357	224,357
6-Dec-2019	Vanguard Investments Australia Ltd.	SELL	1.91	Ordinary	(224,357)	(224,357)
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	30,627	30,627
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	25,242	25,242
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	52,930	52,930
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	14,268	14,268
10-Dec-2019	Vanguard Investments Australia Ltd.	SELL	1.92	Ordinary	(10,114)	(10,114)
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	22,808	22,808
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	30,624	30,624
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	30,624	30,624
12-Dec-2019	Vanguard Investments Australia Ltd.	SELL	1.92	Ordinary	(51,258)	(51,258)
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.90	Ordinary	40,796	40,796
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.90	Ordinary	40,796	40,796
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.90	Ordinary	11,460	11,460
16-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.95	Ordinary	10,455	10,455
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	40,792	40,792
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.93	Ordinary	154,770	154,770
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	15,890	15,890
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.91	Ordinary	28,836	28,836
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	157	157
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.91	Ordinary	70,560	70,560
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	385	385
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.90	Ordinary	40,792	40,792
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.92	Ordinary	4,958	4,958
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.91	Ordinary	910,974	910,974
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	32,282	32,282
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	15,099	15,099
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	37,205	37,205
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	36,946	36,946

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
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	202,995	202,995
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	40,792	40,792
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	477,001	477,001
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	1.89	Ordinary	520,616	520,616

This is Annexure A of 7 pages referred to in Form 604, Notice of change of interest of substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 24 December 2019