

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

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

To Company Name/Scheme Shopping Centres Australasia Property Group Re Limited  
ACN/ARSN 158 809 851

**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 9 December 2019

The previous notice was given to the company on 17 August 2018

The previous notice was dated 17 August 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	67,490,361	8.995%	93,195,570	10.002%

**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 – 2,504,688	2,504,688
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 – 65,106,978	65,106,978
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 – 685,915	685,915
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 – 11,700,384	11,700,384

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 60B(3) of the Corporations Act.	Ordinary - 13,197,605	13,197,605
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**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:

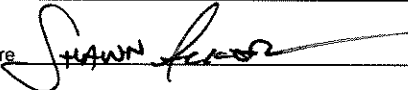
Name and ACN/ARSN (if applicable)	Nature of association
N/A	N/A

**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 11 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	Shopping Centres Australasia Property Group Re Limited 158 809 851
Substantial Holder Name ACN/ARSN	Vanguard Group N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
15-Aug-18	The Vanguard Group, Inc.	SELL	2.47	Ordinary	(14,556)	(14,556)
28-Aug-18	The Vanguard Group, Inc.	BUY	2.39	Ordinary	5,608	5,608
7-Sep-18	The Vanguard Group, Inc.	BUY	2.46	Ordinary	3,244	3,244
11-Sep-18	The Vanguard Group, Inc.	BUY	2.46	Ordinary	33,504	33,504
12-Sep-18	The Vanguard Group, Inc.	BUY	2.48	Ordinary	4,866	4,866
18-Sep-18	The Vanguard Group, Inc.	BUY	2.48	Ordinary	2,172	2,172
21-Sep-18	The Vanguard Group, Inc.	SELL	2.40	Ordinary	(47,059)	(47,059)
4-Oct-18	The Vanguard Group, Inc.	BUY	2.32	Ordinary	26,134	26,134
11-Oct-18	The Vanguard Group, Inc.	BUY	2.37	Ordinary	10,062	10,062
12-Oct-18	The Vanguard Group, Inc.	BUY	2.38	Ordinary	720,205	720,205
12-Oct-18	The Vanguard Group, Inc.	SELL	2.38	Ordinary	(34,320)	(34,320)
15-Oct-18	The Vanguard Group, Inc.	BUY	2.40	Ordinary	16,770	16,770
16-Oct-18	The Vanguard Group, Inc.	BUY	2.40	Ordinary	322,891	322,891
18-Oct-18	The Vanguard Group, Inc.	SELL	2.49	Ordinary	(2,210)	(2,210)
19-Oct-18	The Vanguard Group, Inc.	BUY	2.53	Ordinary	10,062	10,062
19-Oct-18	The Vanguard Group, Inc.	SELL	2.53	Ordinary	(2,210)	(2,210)
23-Oct-18	The Vanguard Group, Inc.	SELL	2.54	Ordinary	(36,840)	(36,840)
23-Oct-18	The Vanguard Group, Inc.	SELL	2.54	Ordinary	(13,815)	(13,815)
26-Oct-18	The Vanguard Group, Inc.	BUY	2.57	Ordinary	399,552	399,552
26-Oct-18	The Vanguard Group, Inc.	BUY	2.59	Ordinary	323,948	323,948
26-Oct-18	The Vanguard Group, Inc.	BUY	2.59	Ordinary	20,766	20,766
29-Oct-18	The Vanguard Group, Inc.	BUY	2.62	Ordinary	74,896	74,896
29-Oct-18	The Vanguard Group, Inc.	SELL	2.64	Ordinary	(18,420)	(18,420)
29-Oct-18	The Vanguard Group, Inc.	SELL	2.64	Ordinary	(18,420)	(18,420)
29-Oct-18	The Vanguard Group, Inc.	BUY	2.62	Ordinary	4,801	4,801
31-Oct-18	The Vanguard Group, Inc.	SELL	2.57	Ordinary	(13,815)	(13,815)
31-Oct-18	The Vanguard Group, Inc.	SELL	2.57	Ordinary	(59,865)	(59,865)
9-Nov-18	The Vanguard Group, Inc.	SELL	2.62	Ordinary	(1,492)	(1,492)
13-Nov-18	The Vanguard Group, Inc.	BUY	2.60	Ordinary	4,756	4,756
14-Nov-18	The Vanguard Group, Inc.	BUY	2.60	Ordinary	70,666	70,666
28-Nov-18	The Vanguard Group, Inc.	BUY	2.74	Ordinary	1,677	1,677
28-Nov-18	The Vanguard Group, Inc.	BUY	2.74	Ordinary	10,062	10,062
28-Nov-18	The Vanguard Group, Inc.	BUY	2.73	Ordinary	222,851	222,851
29-Nov-18	The Vanguard Group, Inc.	BUY	2.72	Ordinary	68,947	68,947
6-Dec-18	The Vanguard Group, Inc.	SELL	2.73	Ordinary	(582)	(582)
12-Dec-18	The Vanguard Group, Inc.	BUY	2.67	Ordinary	382,390	382,390
12-Dec-18	The Vanguard Group, Inc.	BUY	2.66	Ordinary	14,595	14,595
12-Dec-18	The Vanguard Group, Inc.	BUY	2.67	Ordinary	23,045	23,045
14-Dec-18	The Vanguard Group, Inc.	BUY	2.67	Ordinary	26,441	26,441
14-Dec-18	The Vanguard Group, Inc.	BUY	2.64	Ordinary	4,209	4,209
17-Dec-18	The Vanguard Group, Inc.	SELL	2.69	Ordinary	(29,036)	(29,036)
18-Dec-18	The Vanguard Group, Inc.	BUY	2.66	Ordinary	269,705	269,705
18-Dec-18	The Vanguard Group, Inc.	BUY	2.67	Ordinary	3,497	3,497
19-Dec-18	The Vanguard Group, Inc.	SELL	2.64	Ordinary	(29,190)	(29,190)
21-Dec-18	The Vanguard Group, Inc.	BUY	2.65	Ordinary	137,779	137,779
21-Dec-18	The Vanguard Group, Inc.	BUY	2.65	Ordinary	818,391	818,391
21-Dec-18	The Vanguard Group, Inc.	SELL	2.65	Ordinary	(98,308)	(98,308)
21-Dec-18	The Vanguard Group, Inc.	BUY	2.65	Ordinary	528	528
21-Dec-18	The Vanguard Group, Inc.	BUY	2.65	Ordinary	28,741	28,741
21-Dec-18	The Vanguard Group, Inc.	BUY	2.65	Ordinary	51,558	51,558
21-Dec-18	The Vanguard Group, Inc.	BUY	2.65	Ordinary	6,846	6,846
21-Dec-18	The Vanguard Group, Inc.	BUY	2.65	Ordinary	16,483	16,483
27-Dec-18	The Vanguard Group, Inc.	BUY	2.65	Ordinary	250,683	250,683
28-Dec-18	The Vanguard Group, Inc.	BUY	2.59	Ordinary	138,739	138,739
28-Dec-18	The Vanguard Group, Inc.	BUY	2.60	Ordinary	102,330	102,330
3-Jan-19	The Vanguard Group, Inc.	BUY	2.53	Ordinary	312,836	312,836
4-Jan-19	The Vanguard Group, Inc.	BUY	2.52	Ordinary	33,803	33,803
9-Jan-19	The Vanguard Group, Inc.	BUY	2.52	Ordinary	41,132	41,132
10-Jan-19	The Vanguard Group, Inc.	BUY	2.56	Ordinary	9,832	9,832
11-Jan-19	The Vanguard Group, Inc.	BUY	2.58	Ordinary	19,664	19,664

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
15-Jan-19	The Vanguard Group, Inc.	SELL	2.54	Ordinary	(4,916)	(4,916)
16-Jan-19	The Vanguard Group, Inc.	SELL	2.53	Ordinary	(98,320)	(98,320)
17-Jan-19	The Vanguard Group, Inc.	SELL	2.55	Ordinary	(12,756)	(12,756)
18-Jan-19	The Vanguard Group, Inc.	BUY	2.54	Ordinary	9,208	9,208
18-Jan-19	The Vanguard Group, Inc.	BUY	2.54	Ordinary	19,430	19,430
22-Jan-19	The Vanguard Group, Inc.	SELL	2.54	Ordinary	(12,756)	(12,756)
23-Jan-19	The Vanguard Group, Inc.	BUY	2.56	Ordinary	313,247	313,247
23-Jan-19	The Vanguard Group, Inc.	SELL	2.56	Ordinary	(27,638)	(27,638)
24-Jan-19	The Vanguard Group, Inc.	SELL	2.51	Ordinary	(27,638)	(27,638)
29-Jan-19	The Vanguard Group, Inc.	SELL	2.56	Ordinary	(17,008)	(17,008)
29-Jan-19	The Vanguard Group, Inc.	SELL	2.56	Ordinary	(17,008)	(17,008)
29-Jan-19	The Vanguard Group, Inc.	SELL	2.56	Ordinary	(40,394)	(40,394)
31-Jan-19	The Vanguard Group, Inc.	BUY	2.49	Ordinary	110,044	110,044
1-Feb-19	The Vanguard Group, Inc.	SELL	2.47	Ordinary	(19,664)	(19,664)
1-Feb-19	The Vanguard Group, Inc.	SELL	2.47	Ordinary	(24,580)	(24,580)
1-Feb-19	The Vanguard Group, Inc.	BUY	2.51	Ordinary	3,539	3,539
7-Feb-19	The Vanguard Group, Inc.	SELL	2.48	Ordinary	(10,152)	(10,152)
22-Feb-19	The Vanguard Group, Inc.	SELL	2.41	Ordinary	(21,910)	(21,910)
25-Feb-19	The Vanguard Group, Inc.	BUY	2.40	Ordinary	4,916	4,916
26-Feb-19	The Vanguard Group, Inc.	BUY	2.41	Ordinary	10,630	10,630
1-Mar-19	The Vanguard Group, Inc.	BUY	2.44	Ordinary	14,748	14,748
1-Mar-19	The Vanguard Group, Inc.	BUY	2.44	Ordinary	22,551	22,551
4-Mar-19	The Vanguard Group, Inc.	BUY	2.42	Ordinary	116,848	116,848
5-Mar-19	The Vanguard Group, Inc.	BUY	2.45	Ordinary	12,756	12,756
5-Mar-19	The Vanguard Group, Inc.	BUY	2.45	Ordinary	24,580	24,580
5-Mar-19	The Vanguard Group, Inc.	BUY	2.45	Ordinary	16,232	16,232
8-Mar-19	The Vanguard Group, Inc.	BUY	2.47	Ordinary	10,630	10,630
8-Mar-19	The Vanguard Group, Inc.	BUY	2.47	Ordinary	4,051	4,051
13-Mar-19	The Vanguard Group, Inc.	BUY	2.56	Ordinary	369,927	369,927
14-Mar-19	The Vanguard Group, Inc.	BUY	2.58	Ordinary	359,270	359,270
15-Mar-19	The Vanguard Group, Inc.	BUY	2.60	Ordinary	61,052	61,052
15-Mar-19	The Vanguard Group, Inc.	BUY	2.60	Ordinary	313,599	313,599
15-Mar-19	The Vanguard Group, Inc.	BUY	2.60	Ordinary	344,814	344,814
15-Mar-19	The Vanguard Group, Inc.	BUY	2.60	Ordinary	1,156	1,156
15-Mar-19	The Vanguard Group, Inc.	BUY	2.60	Ordinary	3,304	3,304
15-Mar-19	The Vanguard Group, Inc.	BUY	2.60	Ordinary	6,048	6,048
20-Mar-19	The Vanguard Group, Inc.	BUY	2.56	Ordinary	6,378	6,378
21-Mar-19	The Vanguard Group, Inc.	BUY	2.55	Ordinary	4,051	4,051
26-Mar-19	The Vanguard Group, Inc.	BUY	2.60	Ordinary	452,834	452,834
27-Mar-19	The Vanguard Group, Inc.	BUY	2.61	Ordinary	19,740	19,740
27-Mar-19	The Vanguard Group, Inc.	SELL	2.61	Ordinary	(16,318)	(16,318)
28-Mar-19	The Vanguard Group, Inc.	SELL	2.61	Ordinary	(24,589)	(24,589)
1-Apr-19	The Vanguard Group, Inc.	BUY	2.62	Ordinary	8,504	8,504
3-Apr-19	The Vanguard Group, Inc.	BUY	2.59	Ordinary	329,252	329,252
4-Apr-19	The Vanguard Group, Inc.	BUY	2.55	Ordinary	2,054	2,054
5-Apr-19	The Vanguard Group, Inc.	BUY	2.55	Ordinary	4,935	4,935
5-Apr-19	The Vanguard Group, Inc.	BUY	2.55	Ordinary	14,805	14,805
9-Apr-19	The Vanguard Group, Inc.	BUY	2.54	Ordinary	15,984	15,984
16-Apr-19	The Vanguard Group, Inc.	BUY	2.57	Ordinary	42,678	42,678
24-Apr-19	The Vanguard Group, Inc.	BUY	2.62	Ordinary	5,069	5,069
26-Apr-19	The Vanguard Group, Inc.	BUY	2.64	Ordinary	10,630	10,630
26-Apr-19	The Vanguard Group, Inc.	BUY	2.64	Ordinary	7,113	7,113
26-Apr-19	The Vanguard Group, Inc.	BUY	2.64	Ordinary	21,339	21,339
29-Apr-19	The Vanguard Group, Inc.	BUY	2.61	Ordinary	222,535	222,535
29-Apr-19	The Vanguard Group, Inc.	BUY	2.61	Ordinary	9,496	9,496
3-May-19	The Vanguard Group, Inc.	BUY	2.52	Ordinary	2,054	2,054
6-May-19	The Vanguard Group, Inc.	SELL	2.50	Ordinary	(7,614)	(7,614)
7-May-19	The Vanguard Group, Inc.	BUY	2.50	Ordinary	2,054	2,054
8-May-19	The Vanguard Group, Inc.	SELL	2.46	Ordinary	(7,614)	(7,614)
8-May-19	The Vanguard Group, Inc.	BUY	2.46	Ordinary	17,924	17,924
8-May-19	The Vanguard Group, Inc.	BUY	2.46	Ordinary	4,051	4,051
9-May-19	The Vanguard Group, Inc.	BUY	2.47	Ordinary	12,756	12,756
10-May-19	The Vanguard Group, Inc.	BUY	2.49	Ordinary	4,051	4,051
14-May-19	The Vanguard Group, Inc.	SELL	2.52	Ordinary	(7,614)	(7,614)
21-May-19	The Vanguard Group, Inc.	SELL	2.54	Ordinary	(22,534)	(22,534)
22-May-19	The Vanguard Group, Inc.	BUY	2.59	Ordinary	17,924	17,924
28-May-19	The Vanguard Group, Inc.	BUY	2.60	Ordinary	10,630	10,630
29-May-19	The Vanguard Group, Inc.	SELL	2.57	Ordinary	(1,238)	(1,238)

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
30-May-19	The Vanguard Group, Inc.	BUY	2.52	Ordinary	4,051	4,051
5-Jun-19	The Vanguard Group, Inc.	SELL	2.56	Ordinary	(5,076)	(5,076)
5-Jun-19	The Vanguard Group, Inc.	SELL	2.56	Ordinary	(10,152)	(10,152)
5-Jun-19	The Vanguard Group, Inc.	SELL	2.55	Ordinary	(2,054)	(2,054)
11-Jun-19	The Vanguard Group, Inc.	SELL	2.64	Ordinary	(6,345)	(6,345)
11-Jun-19	The Vanguard Group, Inc.	BUY	2.64	Ordinary	4,051	4,051
12-Jun-19	The Vanguard Group, Inc.	BUY	2.64	Ordinary	2,088	2,088
14-Jun-19	The Vanguard Group, Inc.	SELL	2.61	Ordinary	(3,807)	(3,807)
21-Jun-19	The Vanguard Group, Inc.	SELL	2.56	Ordinary	(147,088)	(147,088)
21-Jun-19	The Vanguard Group, Inc.	SELL	2.57	Ordinary	(74,920)	(74,920)
21-Jun-19	The Vanguard Group, Inc.	BUY	2.56	Ordinary	89,407	89,407
21-Jun-19	The Vanguard Group, Inc.	BUY	2.57	Ordinary	44,034	44,034
21-Jun-19	The Vanguard Group, Inc.	BUY	2.56	Ordinary	10,826	10,826
21-Jun-19	The Vanguard Group, Inc.	BUY	2.57	Ordinary	5,333	5,333
25-Jun-19	The Vanguard Group, Inc.	SELL	2.56	Ordinary	(3,807)	(3,807)
26-Jun-19	The Vanguard Group, Inc.	BUY	2.55	Ordinary	2,054	2,054
27-Jun-19	The Vanguard Group, Inc.	SELL	2.45	Ordinary	(569)	(569)
5-Jul-19	The Vanguard Group, Inc.	BUY	2.57	Ordinary	8,504	8,504
10-Jul-19	The Vanguard Group, Inc.	BUY	2.55	Ordinary	1,643	1,643
15-Jul-19	The Vanguard Group, Inc.	BUY	2.45	Ordinary	12,756	12,756
18-Jul-19	The Vanguard Group, Inc.	SELL	2.45	Ordinary	(41,526)	(41,526)
18-Jul-19	The Vanguard Group, Inc.	SELL	2.45	Ordinary	(27,684)	(27,684)
18-Jul-19	The Vanguard Group, Inc.	SELL	2.45	Ordinary	(9,228)	(9,228)
19-Jul-19	The Vanguard Group, Inc.	SELL	2.44	Ordinary	(55,368)	(55,368)
22-Jul-19	The Vanguard Group, Inc.	BUY	2.43	Ordinary	10,630	10,630
22-Jul-19	The Vanguard Group, Inc.	BUY	2.43	Ordinary	10,630	10,630
22-Jul-19	The Vanguard Group, Inc.	SELL	2.43	Ordinary	(18,456)	(18,456)
22-Jul-19	The Vanguard Group, Inc.	SELL	2.43	Ordinary	(27,684)	(27,684)
23-Jul-19	The Vanguard Group, Inc.	BUY	2.44	Ordinary	4,051	4,051
25-Jul-19	The Vanguard Group, Inc.	SELL	2.47	Ordinary	(23,070)	(23,070)
29-Jul-19	The Vanguard Group, Inc.	SELL	2.42	Ordinary	(9,228)	(9,228)
30-Jul-19	The Vanguard Group, Inc.	SELL	2.43	Ordinary	(5,076)	(5,076)
30-Jul-19	The Vanguard Group, Inc.	BUY	2.43	Ordinary	2,054	2,054
1-Aug-19	The Vanguard Group, Inc.	BUY	2.49	Ordinary	19,134	19,134
5-Aug-19	The Vanguard Group, Inc.	SELL	2.54	Ordinary	(13,842)	(13,842)
5-Aug-19	The Vanguard Group, Inc.	BUY	2.55	Ordinary	8,102	8,102
6-Aug-19	The Vanguard Group, Inc.	SELL	2.53	Ordinary	(13,091)	(13,091)
6-Aug-19	The Vanguard Group, Inc.	BUY	2.52	Ordinary	109,377	109,377
8-Aug-19	The Vanguard Group, Inc.	SELL	2.57	Ordinary	(6,345)	(6,345)
8-Aug-19	The Vanguard Group, Inc.	BUY	2.55	Ordinary	255,823	255,823
12-Aug-19	The Vanguard Group, Inc.	BUY	2.57	Ordinary	3,574	3,574
13-Aug-19	The Vanguard Group, Inc.	SELL	2.58	Ordinary	(8,883)	(8,883)
15-Aug-19	The Vanguard Group, Inc.	SELL	2.56	Ordinary	(7,614)	(7,614)
19-Aug-19	The Vanguard Group, Inc.	SELL	2.54	Ordinary	(1,989)	(1,989)
20-Aug-19	The Vanguard Group, Inc.	SELL	2.59	Ordinary	(24,655)	(24,655)
3-Sep-19	The Vanguard Group, Inc.	BUY	2.58	Ordinary	16,372	16,372
5-Sep-19	The Vanguard Group, Inc.	BUY	2.56	Ordinary	39,448	39,448
5-Sep-19	The Vanguard Group, Inc.	BUY	2.56	Ordinary	49,310	49,310
6-Sep-19	The Vanguard Group, Inc.	BUY	2.58	Ordinary	19,724	19,724
16-Sep-19	The Vanguard Group, Inc.	BUY	2.59	Ordinary	3,807	3,807
17-Sep-19	The Vanguard Group, Inc.	SELL	2.58	Ordinary	(14,793)	(14,793)
17-Sep-19	The Vanguard Group, Inc.	BUY	2.58	Ordinary	3,140	3,140
18-Sep-19	The Vanguard Group, Inc.	SELL	2.58	Ordinary	(29,586)	(29,586)
18-Sep-19	The Vanguard Group, Inc.	SELL	2.58	Ordinary	(4,931)	(4,931)
20-Sep-19	The Vanguard Group, Inc.	BUY	2.57	Ordinary	15,420	15,420
20-Sep-19	The Vanguard Group, Inc.	SELL	2.57	Ordinary	(61,170)	(61,170)
27-Sep-19	The Vanguard Group, Inc.	BUY	2.63	Ordinary	55,177	55,177
1-Oct-19	The Vanguard Group, Inc.	BUY	2.66	Ordinary	1,822	1,822
2-Oct-19	The Vanguard Group, Inc.	BUY	2.66	Ordinary	14,625	14,625
21-Oct-19	The Vanguard Group, Inc.	BUY	2.74	Ordinary	14,625	14,625
25-Oct-19	The Vanguard Group, Inc.	SELL	2.76	Ordinary	(15,216)	(15,216)
25-Oct-19	The Vanguard Group, Inc.	BUY	2.76	Ordinary	13,331	13,331
7-Nov-19	The Vanguard Group, Inc.	BUY	2.70	Ordinary	19,500	19,500
8-Nov-19	The Vanguard Group, Inc.	BUY	2.69	Ordinary	1,602	1,602
14-Nov-19	The Vanguard Group, Inc.	BUY	2.68	Ordinary	9,750	9,750
27-Nov-19	The Vanguard Group, Inc.	BUY	2.69	Ordinary	1,822	1,822
2-Dec-19	The Vanguard Group, Inc.	BUY	2.71	Ordinary	29,764	29,764
4-Dec-19	The Vanguard Group, Inc.	BUY	2.62	Ordinary	10,284	10,284

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
5-Dec-19	The Vanguard Group, Inc.	SELL	2.63	Ordinary	(55,601)	(55,601)
15-Aug-18	Vanguard Investments Australia Ltd.	SELL	2.47	Ordinary	(12,863)	(12,863)
15-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	6,114	6,114
15-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	19,820	19,820
20-Aug-18	Vanguard Investments Australia Ltd.	SELL	2.44	Ordinary	(21,218)	(21,218)
21-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.44	Ordinary	9,540	9,540
23-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.37	Ordinary	19,688	19,688
27-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.38	Ordinary	160,845	160,845
29-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.40	Ordinary	18,534	18,534
29-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.40	Ordinary	57,777	57,777
30-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.40	Ordinary	10,698	10,698
31-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	10,698	10,698
4-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	10,483	10,483
4-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	19,688	19,688
10-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.43	Ordinary	8,880	8,880
10-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.43	Ordinary	39,420	39,420
10-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.43	Ordinary	19,710	19,710
13-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	9,512	9,512
17-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.48	Ordinary	9,779	9,779
18-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.48	Ordinary	10,764	10,764
19-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	19,708	19,708
21-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.40	Ordinary	74,950	74,950
26-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	5,436	5,436
26-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	19,736	19,736
27-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	39,031	39,031
27-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.42	Ordinary	74,844	74,844
28-Sep-18	Vanguard Investments Australia Ltd.	SELL	2.40	Ordinary	(8,331)	(8,331)
28-Sep-18	Vanguard Investments Australia Ltd.	SELL	2.40	Ordinary	(10,764)	(10,764)
28-Sep-18	Vanguard Investments Australia Ltd.	SELL	2.40	Ordinary	(96,809)	(96,809)
1-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.40	Ordinary	8,523	8,523
3-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.37	Ordinary	39,344	39,344
4-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.34	Ordinary	19,672	19,672
8-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.39	Ordinary	10,764	10,764
8-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.39	Ordinary	9,990	9,990
10-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.39	Ordinary	15,000	15,000
11-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.39	Ordinary	14,436	14,436
15-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.40	Ordinary	33,936	33,936
17-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	20,094	20,094
23-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.54	Ordinary	12,435	12,435
23-Oct-18	Vanguard Investments Australia Ltd.	SELL	2.54	Ordinary	(8,574)	(8,574)
24-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	13,464	13,464
25-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	8,290	8,290
25-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	14,896	14,896
25-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	22,624	22,624
31-Oct-18	Vanguard Investments Australia Ltd.	SELL	2.57	Ordinary	(31,065)	(31,065)
31-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	16,048	16,048
31-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	3,009	3,009
31-Oct-18	Vanguard Investments Australia Ltd.	SELL	2.57	Ordinary	(56,560)	(56,560)
1-Nov-18	Vanguard Investments Australia Ltd.	SELL	2.53	Ordinary	(20,400)	(20,400)
1-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.53	Ordinary	54,258	54,258
1-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.53	Ordinary	2,396	2,396
2-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.54	Ordinary	14,833	14,833
2-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.54	Ordinary	22,624	22,624
2-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.54	Ordinary	33,936	33,936
9-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	22,638	22,638
12-Nov-18	Vanguard Investments Australia Ltd.	SELL	2.62	Ordinary	(18,431)	(18,431)
12-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	15,067	15,067
13-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.64	Ordinary	12,396	12,396
22-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	17,164	17,164
23-Nov-18	Vanguard Investments Australia Ltd.	SELL	2.63	Ordinary	(45,505)	(45,505)
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	2,600	2,600
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	19,954	19,954
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	12,723	12,723
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	22,473	22,473
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	3,501	3,501
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	7,567	7,567
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	12,405	12,405
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	36,725	36,725

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	193,958	193,958
28-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	18,163	18,163
28-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	139,407	139,407
28-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	88,893	88,893
28-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	157,006	157,006
28-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	24,460	24,460
28-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	52,867	52,867
28-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	256,577	256,577
28-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	1,355,092	1,355,092
29-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	16,356	16,356
29-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.70	Ordinary	13,343	13,343
29-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	419,247	419,247
29-Nov-18	Vanguard Investments Australia Ltd.	SELL	2.70	Ordinary	(58,840)	(58,840)
30-Nov-18	Vanguard Investments Australia Ltd.	SELL	2.64	Ordinary	(15,454)	(15,454)
30-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.64	Ordinary	23,856	23,856
3-Dec-18	Vanguard Investments Australia Ltd.	SELL	2.67	Ordinary	(10,758)	(10,758)
3-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	15,769	15,769
3-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	162,711	162,711
4-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	65,592	65,592
4-Dec-18	Vanguard Investments Australia Ltd.	SELL	2.66	Ordinary	(448,442)	(448,442)
6-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	36,462	36,462
6-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	11,545	11,545
6-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	311,125	311,125
6-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	24,390	24,390
11-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	15,384	15,384
11-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	25,640	25,640
12-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	626,942	626,942
14-Dec-18	Vanguard Investments Australia Ltd.	SELL	2.67	Ordinary	(7,692)	(7,692)
17-Dec-18	Vanguard Investments Australia Ltd.	SELL	2.69	Ordinary	(14,524)	(14,524)
18-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	36,603	36,603
20-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	24,402	24,402
20-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	323,109	323,109
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	32,698	32,698
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	96,697	96,697
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	58,682	58,682
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	137,768	137,768
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	24,602	24,602
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	39,715	39,715
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	93,569	93,569
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	721,362	721,362
27-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	7,128	7,128
31-Dec-18	Vanguard Investments Australia Ltd.	SELL	2.55	Ordinary	(120,670)	(120,670)
8-Jan-19	Vanguard Investments Australia Ltd.	BUY	2.50	Ordinary	12,640	12,640
9-Jan-19	Vanguard Investments Australia Ltd.	BUY	2.52	Ordinary	25,062	25,062
11-Jan-19	Vanguard Investments Australia Ltd.	SELL	2.58	Ordinary	(9,372)	(9,372)
11-Jan-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	15,048	15,048
14-Jan-19	Vanguard Investments Australia Ltd.	BUY	2.54	Ordinary	12,198	12,198
22-Jan-19	Vanguard Investments Australia Ltd.	BUY	2.54	Ordinary	37,590	37,590
23-Jan-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	12,530	12,530
29-Jan-19	Vanguard Investments Australia Ltd.	SELL	2.56	Ordinary	(56,213)	(56,213)
29-Jan-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	52,262	52,262
30-Jan-19	Vanguard Investments Australia Ltd.	BUY	2.53	Ordinary	4,900	4,900
1-Feb-19	Vanguard Investments Australia Ltd.	SELL	2.47	Ordinary	(10,374)	(10,374)
4-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	83,059	83,059
4-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	25,058	25,058
5-Feb-19	Vanguard Investments Australia Ltd.	SELL	2.50	Ordinary	(81,550)	(81,550)
6-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.50	Ordinary	10,800	10,800
7-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.48	Ordinary	73,537	73,537
7-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.48	Ordinary	20,921	20,921
7-Feb-19	Vanguard Investments Australia Ltd.	SELL	2.48	Ordinary	(26,752)	(26,752)
7-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.48	Ordinary	16,264	16,264
12-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.51	Ordinary	8,150	8,150
13-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.50	Ordinary	54,249	54,249
14-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	37,785	37,785
19-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.49	Ordinary	12,969	12,969
20-Feb-19	Vanguard Investments Australia Ltd.	SELL	2.43	Ordinary	(81,176)	(81,176)
20-Feb-19	Vanguard Investments Australia Ltd.	SELL	2.43	Ordinary	(11,998)	(11,998)
25-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.40	Ordinary	38,793	38,793



## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	12,225	12,225
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	11,790	11,790
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	12,595	12,595
27-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	4,241	4,241
27-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	34,361	34,361
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	20,805	20,805
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	47,801	47,801
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	37,785	37,785
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	168,571	168,571
1-Mar-19	Vanguard Investments Australia Ltd.	SELL	2.43	Ordinary	(23,367)	(23,367)
1-Mar-19	Vanguard Investments Australia Ltd.	BUY	2.44	Ordinary	13,341	13,341
1-Mar-19	Vanguard Investments Australia Ltd.	BUY	2.44	Ordinary	84,920	84,920
5-Mar-19	Vanguard Investments Australia Ltd.	BUY	2.45	Ordinary	75,456	75,456
7-Mar-19	Vanguard Investments Australia Ltd.	SELL	2.46	Ordinary	(14,685)	(14,685)
12-Mar-19	Vanguard Investments Australia Ltd.	SELL	2.54	Ordinary	(18,372)	(18,372)
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	2.60	Ordinary	24,854	24,854
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	2.60	Ordinary	18,416	18,416
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	2.60	Ordinary	12,086	12,086
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	2.60	Ordinary	12,595	12,595
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	2.60	Ordinary	304,059	304,059
19-Mar-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	37,953	37,953
20-Mar-19	Vanguard Investments Australia Ltd.	SELL	2.56	Ordinary	(12,081)	(12,081)
26-Mar-19	Vanguard Investments Australia Ltd.	SELL	2.61	Ordinary	(10,099)	(10,099)
29-Mar-19	Vanguard Investments Australia Ltd.	SELL	2.64	Ordinary	(235,287)	(235,287)
1-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	13,885	13,885
2-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.60	Ordinary	8,169	8,169
4-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	12,598	12,598
5-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	37,794	37,794
8-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	8,848	8,848
8-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	12,598	12,598
9-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.54	Ordinary	260,037	260,037
10-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	12,585	12,585
12-Apr-19	Vanguard Investments Australia Ltd.	SELL	2.58	Ordinary	(90,041)	(90,041)
15-Apr-19	Vanguard Investments Australia Ltd.	SELL	2.55	Ordinary	(11,210)	(11,210)
15-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	25,162	25,162
16-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	54,041	54,041
29-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	37,743	37,743
29-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	25,162	25,162
30-Apr-19	Vanguard Investments Australia Ltd.	SELL	2.56	Ordinary	(8,036)	(8,036)
30-Apr-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	13,668	13,668
1-May-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	5,271	5,271
1-May-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	57,302	57,302
1-May-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	4,504	4,504
1-May-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	48,995	48,995
3-May-19	Vanguard Investments Australia Ltd.	SELL	2.52	Ordinary	(14,810)	(14,810)
3-May-19	Vanguard Investments Australia Ltd.	SELL	2.53	Ordinary	(186,976)	(186,976)
3-May-19	Vanguard Investments Australia Ltd.	SELL	2.52	Ordinary	(114,432)	(114,432)
7-May-19	Vanguard Investments Australia Ltd.	SELL	2.49	Ordinary	(101,486)	(101,486)
9-May-19	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	37,740	37,740
10-May-19	Vanguard Investments Australia Ltd.	BUY	2.49	Ordinary	10,242	10,242
10-May-19	Vanguard Investments Australia Ltd.	BUY	2.49	Ordinary	149,832	149,832
14-May-19	Vanguard Investments Australia Ltd.	SELL	2.52	Ordinary	(11,937)	(11,937)
14-May-19	Vanguard Investments Australia Ltd.	BUY	2.52	Ordinary	24,972	24,972
16-May-19	Vanguard Investments Australia Ltd.	BUY	2.54	Ordinary	68,985	68,985
17-May-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	11,050	11,050
21-May-19	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	10,420	10,420
22-May-19	Vanguard Investments Australia Ltd.	BUY	2.59	Ordinary	49,944	49,944
23-May-19	Vanguard Investments Australia Ltd.	BUY	2.63	Ordinary	69,863	69,863
24-May-19	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	24,966	24,966
28-May-19	Vanguard Investments Australia Ltd.	SELL	2.61	Ordinary	(22,712)	(22,712)
28-May-19	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	11,060	11,060
29-May-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	8,418	8,418
29-May-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	37,434	37,434
30-May-19	Vanguard Investments Australia Ltd.	BUY	2.52	Ordinary	42,203	42,203
30-May-19	Vanguard Investments Australia Ltd.	SELL	2.52	Ordinary	(11,944)	(11,944)
30-May-19	Vanguard Investments Australia Ltd.	BUY	2.52	Ordinary	24,804	24,804
30-May-19	Vanguard Investments Australia Ltd.	SELL	2.52	Ordinary	(199,641)	(199,641)
4-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	11,060	11,060

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	13,272	13,272
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	24,806	24,806
6-Jun-19	Vanguard Investments Australia Ltd.	SELL	2.57	Ordinary	(41,985)	(41,985)
11-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.64	Ordinary	49,612	49,612
14-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	37,209	37,209
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	8,414	8,414
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	8,848	8,848
20-Jun-19	Vanguard Investments Australia Ltd.	SELL	2.59	Ordinary	(14,264)	(14,264)
20-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.59	Ordinary	37,209	37,209
21-Jun-19	Vanguard Investments Australia Ltd.	SELL	2.56	Ordinary	(14,987)	(14,987)
21-Jun-19	Vanguard Investments Australia Ltd.	SELL	2.57	Ordinary	(7,634)	(7,634)
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	7,020	7,020
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	54,700	54,700
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	26,941	26,941
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	49,612	49,612
25-Jun-19	Vanguard Investments Australia Ltd.	SELL	2.57	Ordinary	(59,988)	(59,988)
25-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	8,458	8,458
27-Jun-19	Vanguard Investments Australia Ltd.	SELL	2.45	Ordinary	(14,769)	(14,769)
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.45	Ordinary	8,652	8,652
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	2.45	Ordinary	50,324	50,324
28-Jun-19	Vanguard Investments Australia Ltd.	SELL	2.41	Ordinary	(335,147)	(335,147)
1-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.42	Ordinary	24,486	24,486
2-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.44	Ordinary	14,448	14,448
3-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	48,940	48,940
8-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.52	Ordinary	7,506	7,506
9-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.53	Ordinary	7,506	7,506
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.53	Ordinary	7,338	7,338
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.53	Ordinary	48,776	48,776
12-Jul-19	Vanguard Investments Australia Ltd.	SELL	2.49	Ordinary	(18,099)	(18,099)
15-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.43	Ordinary	59,195	59,195
15-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.45	Ordinary	36,582	36,582
16-Jul-19	Vanguard Investments Australia Ltd.	SELL	2.46	Ordinary	(17,959)	(17,959)
16-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.46	Ordinary	14,604	14,604
17-Jul-19	Vanguard Investments Australia Ltd.	SELL	2.44	Ordinary	(35,798)	(35,798)
17-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.44	Ordinary	24,388	24,388
18-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.45	Ordinary	12,483	12,483
22-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.43	Ordinary	36,579	36,579
22-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.43	Ordinary	24,386	24,386
25-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	36,579	36,579
25-Jul-19	Vanguard Investments Australia Ltd.	SELL	2.47	Ordinary	(71,753)	(71,753)
25-Jul-19	Vanguard Investments Australia Ltd.	SELL	2.48	Ordinary	(110,772)	(110,772)
29-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.42	Ordinary	24,386	24,386
30-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.43	Ordinary	13,618	13,618
30-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.43	Ordinary	41,322	41,322
31-Jul-19	Vanguard Investments Australia Ltd.	SELL	2.44	Ordinary	(17,211)	(17,211)
31-Jul-19	Vanguard Investments Australia Ltd.	BUY	2.44	Ordinary	24,388	24,388
1-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.49	Ordinary	81,181	81,181
2-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.54	Ordinary	24,360	24,360
5-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	8,308	8,308
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.53	Ordinary	11,160	11,160
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.53	Ordinary	11,160	11,160
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.53	Ordinary	24,360	24,360
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.53	Ordinary	39,693	39,693
7-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	13,567	13,567
7-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	77,233	77,233
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	13,134	13,134
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	36,540	36,540
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	21,075	21,075
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	36,540	36,540
12-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	14,201	14,201
14-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	68,370	68,370
14-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	24,468	24,468
15-Aug-19	Vanguard Investments Australia Ltd.	SELL	2.56	Ordinary	(15,822)	(15,822)
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.54	Ordinary	24,448	24,448
21-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	36,669	36,669
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	351,987	351,987
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	17,581	17,581
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.59	Ordinary	14,125	14,125

## Annexure A

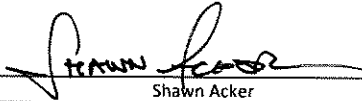
Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	2.59	Ordinary	499,770	499,770
29-Aug-19	Vanguard Investments Australia Ltd.	SELL	2.60	Ordinary	(17,104)	(17,104)
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.60	Ordinary	8,556	8,556
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.60	Ordinary	27,390	27,390
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.60	Ordinary	36,675	36,675
3-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	42,249	42,249
3-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	165,902	165,902
4-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	39,672	39,672
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	63,637	63,637
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	36,639	36,639
10-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	12,882	12,882
10-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.55	Ordinary	48,852	48,852
11-Sep-19	Vanguard Investments Australia Ltd.	SELL	2.56	Ordinary	(16,339)	(16,339)
13-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	36,639	36,639
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	22,819	22,819
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	36,639	36,639
19-Sep-19	Vanguard Investments Australia Ltd.	SELL	2.58	Ordinary	(19,493)	(19,493)
20-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.57	Ordinary	12,080	12,080
23-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	19,500	19,500
23-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	36,471	36,471
24-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.63	Ordinary	24,314	24,314
25-Sep-19	Vanguard Investments Australia Ltd.	SELL	2.65	Ordinary	(38,042)	(38,042)
25-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	18,032	18,032
26-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.63	Ordinary	36,489	36,489
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.63	Ordinary	12,891	12,891
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	2.63	Ordinary	15,024	15,024
30-Sep-19	Vanguard Investments Australia Ltd.	SELL	2.61	Ordinary	(125,000)	(125,000)
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	57,724	57,724
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	23,560	23,560
2-Oct-19	Vanguard Investments Australia Ltd.	SELL	2.67	Ordinary	(29,760)	(29,760)
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	60,530	60,530
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	43,997	43,997
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	418,236	418,236
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	175,673	175,673
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	38,023	38,023
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	361,550	361,550
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	79,062	79,062
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	176,784	176,784
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	20,386	20,386
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	36,963	36,963
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	94,971	94,971
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	809,603	809,603
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	20,638	20,638
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.32	Ordinary	4,321,085	4,321,085
7-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	128,542	128,542
9-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	60,450	60,450
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	17,172	17,172
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	17,172	17,172
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	9,528	9,528
14-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.70	Ordinary	125,721	125,721
16-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	148,985	148,985
16-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	48,360	48,360
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.68	Ordinary	60,102	60,102
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.68	Ordinary	11,630	11,630
21-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.74	Ordinary	36,240	36,240
22-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.75	Ordinary	11,690	11,690
22-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.75	Ordinary	52,060	52,060
23-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.74	Ordinary	36,364	36,364
28-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.75	Ordinary	11,560	11,560
28-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.75	Ordinary	36,237	36,237
30-Oct-19	Vanguard Investments Australia Ltd.	SELL	2.65	Ordinary	(15,064)	(15,064)
30-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	30,129	30,129
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.69	Ordinary	24,476	24,476
31-Oct-19	Vanguard Investments Australia Ltd.	SELL	2.69	Ordinary	(13,968)	(13,968)
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.69	Ordinary	27,936	27,936
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	2.69	Ordinary	48,320	48,320
1-Nov-19	Vanguard Investments Australia Ltd.	SELL	2.70	Ordinary	(27,018)	(27,018)
4-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	24,160	24,160

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration (9)	Class	Number of securities affected	Person's votes affected
5-Nov-19	Vanguard Investments Australia Ltd.	SELL	2.68	Ordinary	(7,265)	(7,265)
5-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.68	Ordinary	13,860	13,860
5-Nov-19	Vanguard Investments Australia Ltd.	SELL	2.68	Ordinary	(96,790)	(96,790)
6-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	48,284	48,284
11-Nov-19	Vanguard Investments Australia Ltd.	SELL	2.71	Ordinary	(24,222)	(24,222)
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	17,148	17,148
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	34,296	34,296
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	30,009	30,009
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	24,140	24,140
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	60,471	60,471
12-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.70	Ordinary	13,211	13,211
12-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.70	Ordinary	36,210	36,210
13-Nov-19	Vanguard Investments Australia Ltd.	SELL	2.65	Ordinary	(73,908)	(73,908)
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	12,903	12,903
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	3,708	3,708
15-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	24,140	24,140
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.75	Ordinary	34,352	34,352
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.75	Ordinary	21,470	21,470
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.75	Ordinary	16,120	16,120
20-Nov-19	Vanguard Investments Australia Ltd.	SELL	2.72	Ordinary	(60,600)	(60,600)
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	8,708	8,708
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	36,183	36,183
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	36,183	36,183
21-Nov-19	Vanguard Investments Australia Ltd.	SELL	2.69	Ordinary	(9,375)	(9,375)
21-Nov-19	Vanguard Investments Australia Ltd.	SELL	2.69	Ordinary	(7,353)	(7,353)
21-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.69	Ordinary	26,166	26,166
22-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.68	Ordinary	24,124	24,124
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.68	Ordinary	38,529	38,529
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.68	Ordinary	21,405	21,405
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.68	Ordinary	16,834	16,834
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.68	Ordinary	70,337	70,337
26-Nov-19	Vanguard Investments Australia Ltd.	SELL	2.65	Ordinary	(31,439)	(31,439)
26-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	24,124	24,124
27-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.69	Ordinary	48,244	48,244
28-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.70	Ordinary	60,300	60,300
29-Nov-19	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	15,492	15,492
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	43,207	43,207
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	48,240	48,240
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	36,180	36,180
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	29,194	29,194
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	48,236	48,236
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	48,236	48,236
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	38,023	38,023
6-Dec-19	Vanguard Investments Australia Ltd.	SELL	2.67	Ordinary	(9,470)	(9,470)
6-Dec-19	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	36,177	36,177
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	16,524	16,524
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	81,538	81,538

This is Annexure A of 9 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature:



Name:

Shawn Acker

Capacity:

Compliance Manager

Date:

11-Dec-19