

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

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

To Company Name/Scheme Charter Hall Long WALE REIT  
ACN/ARSN 610 772 202

**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 30 October 2019

The previous notice was given to the company on 4 March 2019

The previous notice was dated 4 March 2019

**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	22,548,612	7.995%	33,881,985	8.996%

**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	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 – 21,425,968	21,425,968
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 – 6,393,803	6,393,803
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 – 113,979	113,979
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 – 4,441,259	4,441,259
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 – 1,506,976	1,506,976

**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

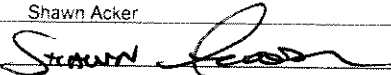
**6. Addresses**

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

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**Signature**

print name Shawn Acker capacity \_\_\_\_\_  
sign here  date 4 November 2019

#### DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 6 of the form.
  - (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
  - (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
  - (4) The voting shares of a company constitute one class unless divided into separate classes.
  - (5) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
  - (6) Include details of:
    - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
    - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).
- See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (7) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
  - (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
  - (9) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

## Annexure A

To Company  
ACN/ARSN Charter Hall Long WALE REIT  
610 772 202

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
28-Feb-19	The Vanguard Group, Inc.	BUY	4.45	Ordinary	12,555	12,555
1-Mar-19	The Vanguard Group, Inc.	BUY	4.48	Ordinary	3,588	3,588
5-Mar-19	The Vanguard Group, Inc.	BUY	4.52	Ordinary	5,980	5,980
15-Mar-19	The Vanguard Group, Inc.	BUY	4.55	Ordinary	25,954	25,954
15-Mar-19	The Vanguard Group, Inc.	BUY	4.53	Ordinary	5	5
15-Mar-19	The Vanguard Group, Inc.	BUY	4.54	Ordinary	141,260	141,260
15-Mar-19	The Vanguard Group, Inc.	BUY	4.55	Ordinary	139,939	139,939
15-Mar-19	The Vanguard Group, Inc.	BUY	4.53	Ordinary	22	22
15-Mar-19	The Vanguard Group, Inc.	BUY	4.55	Ordinary	31,407	31,407
15-Mar-19	The Vanguard Group, Inc.	BUY	4.53	Ordinary	5	5
15-Mar-19	The Vanguard Group, Inc.	BUY	4.55	Ordinary	22,066	22,066
15-Mar-19	The Vanguard Group, Inc.	BUY	4.53	Ordinary	3	3
27-Mar-19	The Vanguard Group, Inc.	BUY	4.66	Ordinary	5,384	5,384
27-Mar-19	The Vanguard Group, Inc.	SELL	4.66	Ordinary	(3,384)	(3,384)
1-Apr-19	The Vanguard Group, Inc.	BUY	4.57	Ordinary	4,780	4,780
5-Apr-19	The Vanguard Group, Inc.	BUY	4.48	Ordinary	1,346	1,346
5-Apr-19	The Vanguard Group, Inc.	BUY	4.48	Ordinary	4,038	4,038
16-Apr-19	The Vanguard Group, Inc.	BUY	4.57	Ordinary	12,444	12,444
24-Apr-19	The Vanguard Group, Inc.	BUY	4.05	Ordinary	61,728	61,728
26-Apr-19	The Vanguard Group, Inc.	BUY	4.71	Ordinary	2,074	2,074
26-Apr-19	The Vanguard Group, Inc.	BUY	4.71	Ordinary	6,222	6,222
29-Apr-19	The Vanguard Group, Inc.	BUY	4.67	Ordinary	83,226	83,226
29-Apr-19	The Vanguard Group, Inc.	BUY	4.66	Ordinary	2,450	2,450
6-May-19	The Vanguard Group, Inc.	SELL	4.48	Ordinary	(3,018)	(3,018)
7-May-19	The Vanguard Group, Inc.	BUY	4.49	Ordinary	56,457	56,457
8-May-19	The Vanguard Group, Inc.	SELL	4.50	Ordinary	(3,018)	(3,018)
8-May-19	The Vanguard Group, Inc.	BUY	4.50	Ordinary	4,304	4,304
10-May-19	The Vanguard Group, Inc.	BUY	4.52	Ordinary	1,133	1,133
14-May-19	The Vanguard Group, Inc.	SELL	4.50	Ordinary	(3,018)	(3,018)
15-May-19	The Vanguard Group, Inc.	BUY	4.51	Ordinary	32,393	32,393
22-May-19	The Vanguard Group, Inc.	BUY	4.55	Ordinary	4,304	4,304
29-May-19	The Vanguard Group, Inc.	BUY	4.80	Ordinary	5,076	5,076
4-Jun-19	The Vanguard Group, Inc.	BUY	4.94	Ordinary	5,076	5,076
5-Jun-19	The Vanguard Group, Inc.	SELL	4.95	Ordinary	(3,908)	(3,908)
6-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	9,543	9,543
6-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	39,032	39,032
6-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	587,084	587,084
6-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	247,135	247,135
6-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	16,037	16,037
6-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	208,422	208,422
6-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	111,445	111,445
6-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	677	677
7-Jun-19	The Vanguard Group, Inc.	BUY	5.06	Ordinary	56,909	56,909
11-Jun-19	The Vanguard Group, Inc.	SELL	5.05	Ordinary	(4,885)	(4,885)
11-Jun-19	The Vanguard Group, Inc.	BUY	5.05	Ordinary	3,016	3,016
11-Jun-19	The Vanguard Group, Inc.	BUY	5.04	Ordinary	66,842	66,842
12-Jun-19	The Vanguard Group, Inc.	BUY	5.05	Ordinary	69,658	69,658
12-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	15,797	15,797
12-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	453	453
12-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	1,439	1,439
12-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	220	220
12-Jun-19	The Vanguard Group, Inc.	BUY	4.74	Ordinary	59	59
14-Jun-19	The Vanguard Group, Inc.	SELL	5.16	Ordinary	(4,721)	(4,721)
14-Jun-19	The Vanguard Group, Inc.	SELL	5.16	Ordinary	(2,931)	(2,931)
18-Jun-19	The Vanguard Group, Inc.	SELL	5.17	Ordinary	(22,809)	(22,809)
18-Jun-19	The Vanguard Group, Inc.	BUY	5.17	Ordinary	92,045	92,045
21-Jun-19	The Vanguard Group, Inc.	SELL	5.11	Ordinary	(266,212)	(266,212)
21-Jun-19	The Vanguard Group, Inc.	SELL	5.11	Ordinary	(5,457)	(5,457)
25-Jun-19	The Vanguard Group, Inc.	SELL	5.19	Ordinary	(2,517)	(2,517)
15-Jul-19	The Vanguard Group, Inc.	SELL	5.13	Ordinary	(18,239)	(18,239)
17-Jul-19	The Vanguard Group, Inc.	BUY	5.13	Ordinary	17,570	17,570

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(8)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
18-Jul-19	The Vanguard Group, Inc.	SELL	5.13	Ordinary	(8,274)	(8,274)
18-Jul-19	The Vanguard Group, Inc.	SELL	5.13	Ordinary	(2,758)	(2,758)
18-Jul-19	The Vanguard Group, Inc.	SELL	5.13	Ordinary	(12,411)	(12,411)
19-Jul-19	The Vanguard Group, Inc.	SELL	5.14	Ordinary	(16,548)	(16,548)
22-Jul-19	The Vanguard Group, Inc.	SELL	5.10	Ordinary	(5,516)	(5,516)
22-Jul-19	The Vanguard Group, Inc.	SELL	5.10	Ordinary	(8,274)	(8,274)
25-Jul-19	The Vanguard Group, Inc.	SELL	5.17	Ordinary	(6,895)	(6,895)
29-Jul-19	The Vanguard Group, Inc.	SELL	5.18	Ordinary	(2,758)	(2,758)
30-Jul-19	The Vanguard Group, Inc.	SELL	5.19	Ordinary	(3,356)	(3,356)
5-Aug-19	The Vanguard Group, Inc.	SELL	5.27	Ordinary	(4,137)	(4,137)
5-Aug-19	The Vanguard Group, Inc.	SELL	5.27	Ordinary	(5,076)	(5,076)
5-Aug-19	The Vanguard Group, Inc.	SELL	5.27	Ordinary	(5,076)	(5,076)
8-Aug-19	The Vanguard Group, Inc.	SELL	5.28	Ordinary	(4,195)	(4,195)
13-Aug-19	The Vanguard Group, Inc.	SELL	5.47	Ordinary	(5,873)	(5,873)
15-Aug-19	The Vanguard Group, Inc.	SELL	5.42	Ordinary	(5,034)	(5,034)
19-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	7,266	7,266
19-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	36,613	36,613
19-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	722,693	722,693
19-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	248,403	248,403
19-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	15,980	15,980
19-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	232,088	232,088
19-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	127,840	127,840
19-Aug-19	The Vanguard Group, Inc.	SELL	5.47	Ordinary	(1,822)	(1,822)
19-Aug-19	The Vanguard Group, Inc.	SELL	5.46	Ordinary	(1,009)	(1,009)
20-Aug-19	The Vanguard Group, Inc.	SELL	5.69	Ordinary	(8,050)	(8,050)
27-Aug-19	The Vanguard Group, Inc.	BUY	5.86	Ordinary	12,247	12,247
30-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	18,327	18,327
30-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	280	280
30-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	1,668	1,668
30-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	136	136
30-Aug-19	The Vanguard Group, Inc.	BUY	5.20	Ordinary	31	31
4-Sep-19	The Vanguard Group, Inc.	SELL	5.88	Ordinary	(1,822)	(1,822)
5-Sep-19	The Vanguard Group, Inc.	BUY	5.91	Ordinary	16,770	16,770
5-Sep-19	The Vanguard Group, Inc.	BUY	5.91	Ordinary	13,416	13,416
6-Sep-19	The Vanguard Group, Inc.	BUY	5.81	Ordinary	6,956	6,956
16-Sep-19	The Vanguard Group, Inc.	BUY	5.61	Ordinary	2,517	2,517
17-Sep-19	The Vanguard Group, Inc.	SELL	5.70	Ordinary	(5,217)	(5,217)
18-Sep-19	The Vanguard Group, Inc.	SELL	5.64	Ordinary	(10,434)	(10,434)
18-Sep-19	The Vanguard Group, Inc.	SELL	5.64	Ordinary	(1,739)	(1,739)
18-Sep-19	The Vanguard Group, Inc.	SELL	5.64	Ordinary	(3,644)	(3,644)
20-Sep-19	The Vanguard Group, Inc.	BUY	5.74	Ordinary	86,212	86,212
20-Sep-19	The Vanguard Group, Inc.	BUY	5.74	Ordinary	475,558	475,558
20-Sep-19	The Vanguard Group, Inc.	SELL	5.73	Ordinary	(28,653)	(28,653)
20-Sep-19	The Vanguard Group, Inc.	BUY	5.74	Ordinary	104,147	104,147
20-Sep-19	The Vanguard Group, Inc.	BUY	5.74	Ordinary	1,499	1,499
20-Sep-19	The Vanguard Group, Inc.	BUY	5.74	Ordinary	4,943	4,943
24-Sep-19	The Vanguard Group, Inc.	SELL	5.83	Ordinary	(1,451)	(1,451)
26-Sep-19	The Vanguard Group, Inc.	BUY	5.88	Ordinary	133,349	133,349
26-Sep-19	The Vanguard Group, Inc.	BUY	5.88	Ordinary	34,186	34,186
27-Sep-19	The Vanguard Group, Inc.	BUY	5.85	Ordinary	7,945	7,945
2-Oct-19	The Vanguard Group, Inc.	BUY	5.73	Ordinary	5,259	5,259
2-Oct-19	The Vanguard Group, Inc.	BUY	5.75	Ordinary	4,146	4,146
3-Oct-19	The Vanguard Group, Inc.	BUY	5.67	Ordinary	163,170	163,170
4-Oct-19	The Vanguard Group, Inc.	BUY	5.74	Ordinary	65,710	65,710
7-Oct-19	The Vanguard Group, Inc.	BUY	5.80	Ordinary	39,870	39,870
8-Oct-19	The Vanguard Group, Inc.	BUY	5.84	Ordinary	62,279	62,279
9-Oct-19	The Vanguard Group, Inc.	BUY	5.82	Ordinary	26,501	26,501
21-Oct-19	The Vanguard Group, Inc.	BUY	5.82	Ordinary	5,259	5,259
25-Oct-19	The Vanguard Group, Inc.	SELL	5.79	Ordinary	(9,540)	(9,540)
29-Oct-19	The Vanguard Group, Inc.	SELL	5.78	Ordinary	(2,138)	(2,138)
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	4.45	Ordinary	9,774	9,774
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	4.45	Ordinary	16,667	16,667
1-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	6,708	6,708
1-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	30,162	30,162
5-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.52	Ordinary	34,112	34,112
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	2	2
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.55	Ordinary	13,792	13,792
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	11	11

## Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.55	Ordinary	65,219	65,219
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.55	Ordinary	3,258	3,258
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	11	11
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.55	Ordinary	70,475	70,475
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	15	15
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.55	Ordinary	95,452	95,452
19-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	9,780	9,780
20-Mar-19	Vanguard Investments Australia Ltd.	SELL	4.56	Ordinary	(6,827)	(6,827)
21-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.61	Ordinary	24,514	24,514
22-Mar-19	Vanguard Investments Australia Ltd.	BUY	4.65	Ordinary	17,514	17,514
29-Mar-19	Vanguard Investments Australia Ltd.	SELL	4.56	Ordinary	(74,961)	(74,961)
2-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	38,664	38,664
2-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	3,794	3,794
4-Apr-19	Vanguard Investments Australia Ltd.	SELL	4.50	Ordinary	(6,832)	(6,832)
4-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.50	Ordinary	3,246	3,246
5-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.47	Ordinary	27,445	27,445
5-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	9,738	9,738
8-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.49	Ordinary	3,246	3,246
8-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.49	Ordinary	4,336	4,336
9-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.49	Ordinary	63,788	63,788
10-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.46	Ordinary	3,243	3,243
11-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	24,303	24,303
15-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.58	Ordinary	6,484	6,484
16-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.58	Ordinary	51,236	51,236
29-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.66	Ordinary	9,726	9,726
29-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.66	Ordinary	6,484	6,484
30-Apr-19	Vanguard Investments Australia Ltd.	BUY	4.60	Ordinary	7,320	7,320
2-May-19	Vanguard Investments Australia Ltd.	SELL	4.59	Ordinary	(19,865)	(19,865)
3-May-19	Vanguard Investments Australia Ltd.	SELL	4.54	Ordinary	(57,488)	(57,488)
3-May-19	Vanguard Investments Australia Ltd.	SELL	4.51	Ordinary	(28,454)	(28,454)
6-May-19	Vanguard Investments Australia Ltd.	BUY	4.47	Ordinary	21,605	21,605
7-May-19	Vanguard Investments Australia Ltd.	SELL	4.49	Ordinary	(19,486)	(19,486)
9-May-19	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	9,726	9,726
10-May-19	Vanguard Investments Australia Ltd.	BUY	4.52	Ordinary	38,616	38,616
10-May-19	Vanguard Investments Australia Ltd.	BUY	4.52	Ordinary	5,796	5,796
14-May-19	Vanguard Investments Australia Ltd.	SELL	4.50	Ordinary	(6,638)	(6,638)
14-May-19	Vanguard Investments Australia Ltd.	BUY	4.50	Ordinary	6,436	6,436
17-May-19	Vanguard Investments Australia Ltd.	BUY	4.59	Ordinary	6,260	6,260
21-May-19	Vanguard Investments Australia Ltd.	BUY	4.59	Ordinary	6,260	6,260
22-May-19	Vanguard Investments Australia Ltd.	BUY	4.55	Ordinary	12,872	12,872
24-May-19	Vanguard Investments Australia Ltd.	BUY	4.84	Ordinary	6,434	6,434
28-May-19	Vanguard Investments Australia Ltd.	BUY	4.80	Ordinary	3,410	3,410
29-May-19	Vanguard Investments Australia Ltd.	BUY	4.81	Ordinary	9,645	9,645
29-May-19	Vanguard Investments Australia Ltd.	BUY	4.81	Ordinary	1,924	1,924
30-May-19	Vanguard Investments Australia Ltd.	BUY	4.90	Ordinary	35,099	35,099
30-May-19	Vanguard Investments Australia Ltd.	BUY	4.90	Ordinary	6,392	6,392
30-May-19	Vanguard Investments Australia Ltd.	SELL	4.90	Ordinary	(58,732)	(58,732)
3-Jun-19	Vanguard Investments Australia Ltd.	SELL	4.94	Ordinary	(21,306)	(21,306)
4-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.93	Ordinary	3,410	3,410
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	6,544	6,544
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	23,445	23,445
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	14,168	14,168
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	10,867	10,867
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	23,283	23,283
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	130,068	130,068
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	52,260	52,260
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	59,552	59,552
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	130,219	130,219
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.94	Ordinary	6,392	6,392
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	1,366,847	1,366,847
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	29,764	29,764
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.94	Ordinary	4,092	4,092
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	4.74	Ordinary	280,098	280,098
7-Jun-19	Vanguard Investments Australia Ltd.	SELL	5.06	Ordinary	(6,284)	(6,284)
11-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.05	Ordinary	12,784	12,784
13-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	7,520	7,520
13-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	24,033	24,033
14-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.16	Ordinary	9,588	9,588

## 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
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.18	Ordinary	2,490	2,490
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.18	Ordinary	2,528	2,528
20-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.19	Ordinary	9,588	9,588
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	3,456	3,456
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	5,236	5,236
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	17,231	17,231
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	11,371	11,371
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	12,784	12,784
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	210,298	210,298
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	138,784	138,784
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	1,896	1,896
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	38,904	38,904
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	25,674	25,674
25-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	2,502	2,502
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.04	Ordinary	15,288	15,288
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	5.04	Ordinary	2,443	2,443
28-Jun-19	Vanguard Investments Australia Ltd.	SELL	5.02	Ordinary	(123,307)	(123,307)
1-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.03	Ordinary	7,438	7,438
2-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.09	Ordinary	3,996	3,996
3-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.18	Ordinary	14,868	14,868
8-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.18	Ordinary	1,998	1,998
9-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.15	Ordinary	1,998	1,998
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	14,816	14,816
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	1,998	1,998
15-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.13	Ordinary	11,112	11,112
16-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.12	Ordinary	3,996	3,996
17-Jul-19	Vanguard Investments Australia Ltd.	SELL	5.13	Ordinary	(11,057)	(11,057)
17-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.13	Ordinary	7,408	7,408
18-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.13	Ordinary	3,693	3,693
22-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.10	Ordinary	11,112	11,112
22-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.10	Ordinary	7,408	7,408
25-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.17	Ordinary	11,112	11,112
25-Jul-19	Vanguard Investments Australia Ltd.	SELL	5.17	Ordinary	(33,035)	(33,035)
25-Jul-19	Vanguard Investments Australia Ltd.	SELL	5.16	Ordinary	(22,173)	(22,173)
29-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.18	Ordinary	7,408	7,408
29-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.18	Ordinary	19,380	19,380
30-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.19	Ordinary	3,949	3,949
31-Jul-19	Vanguard Investments Australia Ltd.	BUY	5.19	Ordinary	7,408	7,408
1-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	31,117	31,117
2-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.29	Ordinary	7,400	7,400
5-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.29	Ordinary	2,458	2,458
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.13	Ordinary	7,400	7,400
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.13	Ordinary	18,904	18,904
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.13	Ordinary	3,105	3,105
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.13	Ordinary	3,105	3,105
7-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.22	Ordinary	17,893	17,893
7-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.22	Ordinary	24,880	24,880
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.27	Ordinary	11,100	11,100
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.27	Ordinary	3,773	3,773
9-Aug-19	Vanguard Investments Australia Ltd.	SELL	5.28	Ordinary	(5,000)	(5,000)
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.28	Ordinary	11,100	11,100
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.28	Ordinary	6,235	6,235
12-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.38	Ordinary	3,773	3,773
14-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.54	Ordinary	7,432	7,432
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	4,634	4,634
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	27,201	27,201
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	16,437	16,437
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	12,608	12,608
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	27,013	27,013
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	150,909	150,909
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	58,667	58,667
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	69,094	69,094
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	155,202	155,202
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.46	Ordinary	7,998	7,998
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	79,122	79,122
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	1,574,266	1,574,266
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	21,633	21,633
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.20	Ordinary	344,002	344,002

## 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
21-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.79	Ordinary	11,997	11,997
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.87	Ordinary	107,092	107,092
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.86	Ordinary	5,600	5,600
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.97	Ordinary	5,233	5,233
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.97	Ordinary	16,399	16,399
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.97	Ordinary	178,082	178,082
29-Aug-19	Vanguard Investments Australia Ltd.	SELL	5.95	Ordinary	(5,464)	(5,464)
30-Aug-19	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	16,616	16,616
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.92	Ordinary	11,997	11,997
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.92	Ordinary	2,732	2,732
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.92	Ordinary	8,250	8,250
3-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.88	Ordinary	53,728	53,728
3-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.88	Ordinary	133,299	133,299
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	12,849	12,849
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.89	Ordinary	50,189	50,189
10-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.74	Ordinary	17,132	17,132
10-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.74	Ordinary	4,116	4,116
13-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.60	Ordinary	12,846	12,846
16-Sep-19	Vanguard Investments Australia Ltd.	SELL	5.60	Ordinary	(5,262)	(5,262)
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.70	Ordinary	12,846	12,846
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.70	Ordinary	7,942	7,942
20-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.73	Ordinary	4,220	4,220
23-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.80	Ordinary	12,789	12,789
23-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.80	Ordinary	6,405	6,405
24-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.83	Ordinary	8,526	8,526
24-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.83	Ordinary	43,929	43,929
25-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	6,160	6,160
26-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.87	Ordinary	12,795	12,795
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.82	Ordinary	4,116	4,116
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	5.82	Ordinary	5,340	5,340
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.75	Ordinary	21,225	21,225
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.75	Ordinary	8,512	8,512
2-Oct-19	Vanguard Investments Australia Ltd.	SELL	5.75	Ordinary	(10,752)	(10,752)
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.76	Ordinary	16,709	16,709
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.76	Ordinary	7,735	7,735
7-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.82	Ordinary	28,752	28,752
9-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.79	Ordinary	21,200	21,200
10-Oct-19	Vanguard Investments Australia Ltd.	SELL	5.77	Ordinary	(3,417)	(3,417)
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.80	Ordinary	5,484	5,484
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.80	Ordinary	5,484	5,484
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.80	Ordinary	3,840	3,840
14-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.80	Ordinary	39,742	39,742
16-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.89	Ordinary	47,097	47,097
16-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.89	Ordinary	16,956	16,956
17-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.82	Ordinary	21,010	21,010
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.73	Ordinary	19,194	19,194
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.73	Ordinary	4,920	4,920
21-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.82	Ordinary	12,708	12,708
22-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.81	Ordinary	5,010	5,010
23-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.78	Ordinary	16,859	16,859
28-Oct-19	Vanguard Investments Australia Ltd.	SELL	5.79	Ordinary	(5,190)	(5,190)
28-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.79	Ordinary	12,708	12,708
28-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.79	Ordinary	5,000	5,000
30-Oct-19	Vanguard Investments Australia Ltd.	BUY	5.78	Ordinary	9,524	9,524

This is Annexure A of 5 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 4 November 2019