

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme Charter Hall Social Infrastructure REIT
ACN/ARSN 102 955 939

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 18 September 2020

The previous notice was given to the company on 26 April 2018

The previous notice was dated 26 April 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	18,774,294	7.341%	30,353,322	8.423%

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	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 – 119,617	119,617
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 – 1,108,603	1,108,603
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 – 21,860,931	21,860,931
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 – 3,756,956	3,756,956
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 – 3,507,215	3,507,215

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
The Vanguard Group, Inc.	P.O. Box 2600, V26 Valley Forge, PA 19482 USA

Signature

print name Shawn Acker capacity Compliance Manager

sign here  date 23 September 2020

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	Charter Hall Social Infrastructure REIT
ACN/ARSN	102 955 939
Substantial Holder Name	Vanguard Group
ACN/ARSN	N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
2-May-18	The Vanguard Group, Inc.	BUY	2.89	Ordinary	11,823	11,823
2-May-18	The Vanguard Group, Inc.	BUY	2.89	Ordinary	6,756	6,756
5-Jun-18	The Vanguard Group, Inc.	BUY	2.70	Ordinary	3,639	3,639
6-Jun-18	The Vanguard Group, Inc.	BUY	2.70	Ordinary	67,237	67,237
6-Jun-18	The Vanguard Group, Inc.	BUY	2.70	Ordinary	71,883	71,883
15-Jun-18	The Vanguard Group, Inc.	BUY	2.70	Ordinary	7,432	7,432
15-Jun-18	The Vanguard Group, Inc.	BUY	2.71	Ordinary	27,483	27,483
18-Jun-18	The Vanguard Group, Inc.	BUY	2.69	Ordinary	4,635	4,635
18-Jun-18	The Vanguard Group, Inc.	BUY	2.69	Ordinary	23,175	23,175
18-Jun-18	The Vanguard Group, Inc.	BUY	2.70	Ordinary	3,268	3,268
9-Jul-18	The Vanguard Group, Inc.	BUY	2.72	Ordinary	3,627	3,627
18-Jul-18	The Vanguard Group, Inc.	SELL	2.65	Ordinary	(7,254)	(7,254)
24-Jul-18	The Vanguard Group, Inc.	BUY	2.66	Ordinary	36,436	36,436
25-Jul-18	The Vanguard Group, Inc.	BUY	2.65	Ordinary	13,004	13,004
25-Jul-18	The Vanguard Group, Inc.	BUY	2.66	Ordinary	28,875	28,875
7-Aug-18	The Vanguard Group, Inc.	BUY	2.66	Ordinary	49,785	49,785
9-Aug-18	The Vanguard Group, Inc.	SELL	2.71	Ordinary	(10,262)	(10,262)
10-Aug-18	The Vanguard Group, Inc.	BUY	2.74	Ordinary	60,180	60,180
13-Aug-18	The Vanguard Group, Inc.	BUY	2.73	Ordinary	78,907	78,907
14-Aug-18	The Vanguard Group, Inc.	BUY	2.69	Ordinary	24,620	24,620
15-Aug-18	The Vanguard Group, Inc.	BUY	2.70	Ordinary	40,000	40,000
17-Aug-18	The Vanguard Group, Inc.	BUY	2.71	Ordinary	45,732	45,732
23-Aug-18	The Vanguard Group, Inc.	BUY	2.75	Ordinary	17,255	17,255
23-Aug-18	The Vanguard Group, Inc.	BUY	2.75	Ordinary	26,471	26,471
11-Sep-18	The Vanguard Group, Inc.	BUY	2.84	Ordinary	11,728	11,728
12-Oct-18	The Vanguard Group, Inc.	SELL	2.74	Ordinary	(12,120)	(12,120)
23-Oct-18	The Vanguard Group, Inc.	SELL	2.76	Ordinary	(4,545)	(4,545)
23-Oct-18	The Vanguard Group, Inc.	SELL	2.76	Ordinary	(12,120)	(12,120)
29-Oct-18	The Vanguard Group, Inc.	SELL	2.80	Ordinary	(6,060)	(6,060)
29-Oct-18	The Vanguard Group, Inc.	SELL	2.80	Ordinary	(6,060)	(6,060)
31-Oct-18	The Vanguard Group, Inc.	SELL	2.86	Ordinary	(19,695)	(19,695)
31-Oct-18	The Vanguard Group, Inc.	SELL	2.86	Ordinary	(4,545)	(4,545)
14-Nov-18	The Vanguard Group, Inc.	BUY	2.92	Ordinary	20,169	20,169
15-Nov-18	The Vanguard Group, Inc.	BUY	2.91	Ordinary	21,199	21,199
16-Nov-18	The Vanguard Group, Inc.	BUY	2.90	Ordinary	6,144	6,144
12-Dec-18	The Vanguard Group, Inc.	BUY	2.91	Ordinary	3,687	3,687
19-Dec-18	The Vanguard Group, Inc.	SELL	2.99	Ordinary	(7,374)	(7,374)
21-Dec-18	The Vanguard Group, Inc.	SELL	3.01	Ordinary	(45,954)	(45,954)
21-Dec-18	The Vanguard Group, Inc.	SELL	3.02	Ordinary	(819)	(819)
10-Jan-19	The Vanguard Group, Inc.	BUY	3.00	Ordinary	2,688	2,688
11-Jan-19	The Vanguard Group, Inc.	BUY	3.00	Ordinary	5,376	5,376
15-Jan-19	The Vanguard Group, Inc.	SELL	3.00	Ordinary	(1,344)	(1,344)
16-Jan-19	The Vanguard Group, Inc.	SELL	3.05	Ordinary	(26,880)	(26,880)
1-Feb-19	The Vanguard Group, Inc.	SELL	3.13	Ordinary	(5,376)	(5,376)
1-Feb-19	The Vanguard Group, Inc.	SELL	3.13	Ordinary	(6,720)	(6,720)
25-Feb-19	The Vanguard Group, Inc.	BUY	3.20	Ordinary	1,344	1,344
1-Mar-19	The Vanguard Group, Inc.	BUY	3.28	Ordinary	4,032	4,032
5-Mar-19	The Vanguard Group, Inc.	BUY	3.36	Ordinary	6,720	6,720
15-Mar-19	The Vanguard Group, Inc.	BUY	3.52	Ordinary	8,637	8,637
15-Mar-19	The Vanguard Group, Inc.	BUY	3.54	Ordinary	20,830	20,830
27-Mar-19	The Vanguard Group, Inc.	BUY	3.52	Ordinary	5,500	5,500
27-Mar-19	The Vanguard Group, Inc.	BUY	3.35	Ordinary	179,475	179,475
27-Mar-19	The Vanguard Group, Inc.	BUY	3.35	Ordinary	9,035	9,035
5-Apr-19	The Vanguard Group, Inc.	BUY	3.45	Ordinary	4,125	4,125
5-Apr-19	The Vanguard Group, Inc.	BUY	3.45	Ordinary	1,375	1,375
16-Apr-19	The Vanguard Group, Inc.	BUY	3.68	Ordinary	13,218	13,218

Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
16-Apr-19	The Vanguard Group, Inc.	BUY	3.67	Ordinary	28,446	28,446
18-Apr-19	The Vanguard Group, Inc.	SELL	3.66	Ordinary	(86,080)	(86,080)
18-Apr-19	The Vanguard Group, Inc.	BUY	3.66	Ordinary	86,080	86,080
26-Apr-19	The Vanguard Group, Inc.	BUY	3.67	Ordinary	2,203	2,203
26-Apr-19	The Vanguard Group, Inc.	BUY	3.67	Ordinary	6,609	6,609
29-Apr-19	The Vanguard Group, Inc.	BUY	3.72	Ordinary	31,725	31,725
29-Apr-19	The Vanguard Group, Inc.	BUY	3.72	Ordinary	2,728	2,728
30-Apr-19	The Vanguard Group, Inc.	BUY	3.74	Ordinary	23,818	23,818
7-May-19	The Vanguard Group, Inc.	BUY	3.59	Ordinary	33,802	33,802
8-May-19	The Vanguard Group, Inc.	BUY	3.59	Ordinary	37,746	37,746
8-May-19	The Vanguard Group, Inc.	BUY	3.62	Ordinary	4,692	4,692
9-May-19	The Vanguard Group, Inc.	BUY	3.70	Ordinary	4,501	4,501
15-May-19	The Vanguard Group, Inc.	BUY	3.65	Ordinary	13,528	13,528
22-May-19	The Vanguard Group, Inc.	BUY	3.59	Ordinary	4,692	4,692
6-Jun-19	The Vanguard Group, Inc.	SELL	3.52	Ordinary	(22,255)	(22,255)
18-Jun-19	The Vanguard Group, Inc.	SELL	3.83	Ordinary	(6,184)	(6,184)
17-Jul-19	The Vanguard Group, Inc.	BUY	3.72	Ordinary	18,274	18,274
18-Jul-19	The Vanguard Group, Inc.	SELL	3.69	Ordinary	(8,046)	(8,046)
18-Jul-19	The Vanguard Group, Inc.	SELL	3.69	Ordinary	(12,069)	(12,069)
18-Jul-19	The Vanguard Group, Inc.	SELL	3.69	Ordinary	(2,682)	(2,682)
18-Jul-19	The Vanguard Group, Inc.	BUY	3.69	Ordinary	4,325	4,325
19-Jul-19	The Vanguard Group, Inc.	SELL	3.71	Ordinary	(16,092)	(16,092)
22-Jul-19	The Vanguard Group, Inc.	SELL	3.68	Ordinary	(8,046)	(8,046)
22-Jul-19	The Vanguard Group, Inc.	SELL	3.68	Ordinary	(5,364)	(5,364)
25-Jul-19	The Vanguard Group, Inc.	SELL	3.70	Ordinary	(6,705)	(6,705)
29-Jul-19	The Vanguard Group, Inc.	SELL	3.73	Ordinary	(2,682)	(2,682)
5-Aug-19	The Vanguard Group, Inc.	SELL	3.70	Ordinary	(4,023)	(4,023)
6-Aug-19	The Vanguard Group, Inc.	BUY	3.65	Ordinary	107,150	107,150
7-Aug-19	The Vanguard Group, Inc.	BUY	3.58	Ordinary	272,818	272,818
15-Aug-19	The Vanguard Group, Inc.	BUY	3.70	Ordinary	157	157
20-Aug-19	The Vanguard Group, Inc.	SELL	3.74	Ordinary	(7,495)	(7,495)
5-Sep-19	The Vanguard Group, Inc.	BUY	3.82	Ordinary	12,120	12,120
5-Sep-19	The Vanguard Group, Inc.	BUY	3.82	Ordinary	15,150	15,150
6-Sep-19	The Vanguard Group, Inc.	BUY	3.73	Ordinary	6,060	6,060
17-Sep-19	The Vanguard Group, Inc.	SELL	3.62	Ordinary	(4,545)	(4,545)
18-Sep-19	The Vanguard Group, Inc.	SELL	3.60	Ordinary	(1,515)	(1,515)
18-Sep-19	The Vanguard Group, Inc.	SELL	3.60	Ordinary	(9,090)	(9,090)
20-Sep-19	The Vanguard Group, Inc.	SELL	3.61	Ordinary	(43,822)	(43,822)
23-Sep-19	The Vanguard Group, Inc.	SELL	3.60	Ordinary	(11,355)	(11,355)
2-Oct-19	The Vanguard Group, Inc.	BUY	3.63	Ordinary	4,524	4,524
21-Oct-19	The Vanguard Group, Inc.	BUY	3.80	Ordinary	4,524	4,524
25-Oct-19	The Vanguard Group, Inc.	SELL	3.73	Ordinary	(5,436)	(5,436)
1-Nov-19	The Vanguard Group, Inc.	BUY	3.64	Ordinary	292	292
7-Nov-19	The Vanguard Group, Inc.	BUY	3.62	Ordinary	6,032	6,032
14-Nov-19	The Vanguard Group, Inc.	BUY	3.50	Ordinary	3,016	3,016
26-Nov-19	The Vanguard Group, Inc.	BUY	3.55	Ordinary	31,648	31,648
17-Dec-19	The Vanguard Group, Inc.	SELL	3.26	Ordinary	(43,067)	(43,067)
20-Dec-19	The Vanguard Group, Inc.	BUY	3.26	Ordinary	102	102
23-Dec-19	The Vanguard Group, Inc.	BUY	3.26	Ordinary	3,801	3,801
24-Dec-19	The Vanguard Group, Inc.	BUY	3.29	Ordinary	7,602	7,602
27-Dec-19	The Vanguard Group, Inc.	BUY	3.29	Ordinary	5,108	5,108
2-Jan-20	The Vanguard Group, Inc.	BUY	3.24	Ordinary	3,831	3,831
3-Jan-20	The Vanguard Group, Inc.	BUY	3.25	Ordinary	51,595	51,595
7-Jan-20	The Vanguard Group, Inc.	BUY	3.25	Ordinary	5,088	5,088
9-Jan-20	The Vanguard Group, Inc.	SELL	3.25	Ordinary	(5,088)	(5,088)
9-Jan-20	The Vanguard Group, Inc.	SELL	3.25	Ordinary	(17,808)	(17,808)
29-Jan-20	The Vanguard Group, Inc.	BUY	3.51	Ordinary	7,188	7,188
24-Feb-20	The Vanguard Group, Inc.	SELL	3.77	Ordinary	(2,265)	(2,265)
25-Feb-20	The Vanguard Group, Inc.	SELL	3.75	Ordinary	(906)	(906)
25-Feb-20	The Vanguard Group, Inc.	BUY	3.77	Ordinary	11,163	11,163
27-Feb-20	The Vanguard Group, Inc.	SELL	3.57	Ordinary	(6,360)	(6,360)
28-Feb-20	The Vanguard Group, Inc.	SELL	3.45	Ordinary	(2,544)	(2,544)
4-Mar-20	The Vanguard Group, Inc.	SELL	3.42	Ordinary	(3,816)	(3,816)
4-Mar-20	The Vanguard Group, Inc.	SELL	3.41	Ordinary	(6,908)	(6,908)

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
6-Mar-20	The Vanguard Group, Inc.	BUY	3.25	Ordinary	2,544	2,544
9-Mar-20	The Vanguard Group, Inc.	BUY	3.07	Ordinary	5,088	5,088
10-Mar-20	The Vanguard Group, Inc.	BUY	3.02	Ordinary	2,544	2,544
16-Mar-20	The Vanguard Group, Inc.	SELL	2.15	Ordinary	(1,359)	(1,359)
16-Mar-20	The Vanguard Group, Inc.	SELL	2.15	Ordinary	(5,088)	(5,088)
17-Mar-20	The Vanguard Group, Inc.	SELL	1.92	Ordinary	(1,812)	(1,812)
17-Mar-20	The Vanguard Group, Inc.	SELL	1.92	Ordinary	(3,816)	(3,816)
20-Mar-20	The Vanguard Group, Inc.	SELL	1.87	Ordinary	(2,265)	(2,265)
20-Mar-20	The Vanguard Group, Inc.	SELL	1.87	Ordinary	(3,816)	(3,816)
20-Mar-20	The Vanguard Group, Inc.	BUY	1.80	Ordinary	10,721	10,721
23-Mar-20	The Vanguard Group, Inc.	SELL	1.64	Ordinary	(1,812)	(1,812)
23-Mar-20	The Vanguard Group, Inc.	BUY	1.67	Ordinary	5,281	5,281
24-Mar-20	The Vanguard Group, Inc.	BUY	1.60	Ordinary	14,399	14,399
26-Mar-20	The Vanguard Group, Inc.	SELL	1.62	Ordinary	(2,004)	(2,004)
27-Mar-20	The Vanguard Group, Inc.	BUY	1.64	Ordinary	12,867	12,867
31-Mar-20	The Vanguard Group, Inc.	BUY	1.85	Ordinary	1,272	1,272
31-Mar-20	The Vanguard Group, Inc.	BUY	1.85	Ordinary	6,360	6,360
13-Apr-20	The Vanguard Group, Inc.	BUY	2.23	Ordinary	3,816	3,816
14-Apr-20	The Vanguard Group, Inc.	BUY	2.14	Ordinary	11,448	11,448
14-Apr-20	The Vanguard Group, Inc.	BUY	2.14	Ordinary	2,544	2,544
22-Apr-20	The Vanguard Group, Inc.	SELL	2.23	Ordinary	(27,465)	(27,465)
27-Apr-20	The Vanguard Group, Inc.	SELL	2.25	Ordinary	(2,576)	(2,576)
29-Apr-20	The Vanguard Group, Inc.	SELL	2.31	Ordinary	(2,576)	(2,576)
30-Apr-20	The Vanguard Group, Inc.	SELL	2.43	Ordinary	(5,152)	(5,152)
30-Apr-20	The Vanguard Group, Inc.	SELL	2.43	Ordinary	(2,576)	(2,576)
1-May-20	The Vanguard Group, Inc.	SELL	2.36	Ordinary	(2,252)	(2,252)
5-May-20	The Vanguard Group, Inc.	BUY	2.20	Ordinary	7,063	7,063
5-May-20	The Vanguard Group, Inc.	BUY	2.20	Ordinary	468,331	468,331
5-May-20	The Vanguard Group, Inc.	BUY	2.20	Ordinary	220,149	220,149
5-May-20	The Vanguard Group, Inc.	BUY	2.20	Ordinary	18,683	18,683
5-May-20	The Vanguard Group, Inc.	BUY	2.20	Ordinary	251	251
5-May-20	The Vanguard Group, Inc.	BUY	2.20	Ordinary	13,824	13,824
5-May-20	The Vanguard Group, Inc.	BUY	2.20	Ordinary	6,071	6,071
7-May-20	The Vanguard Group, Inc.	SELL	2.28	Ordinary	(3,903)	(3,903)
8-May-20	The Vanguard Group, Inc.	SELL	2.27	Ordinary	(3,941)	(3,941)
8-May-20	The Vanguard Group, Inc.	BUY	2.20	Ordinary	1,460	1,460
12-May-20	The Vanguard Group, Inc.	SELL	2.24	Ordinary	(67,354)	(67,354)
12-May-20	The Vanguard Group, Inc.	SELL	2.21	Ordinary	(3,903)	(3,903)
12-May-20	The Vanguard Group, Inc.	SELL	2.21	Ordinary	(7,806)	(7,806)
28-May-20	The Vanguard Group, Inc.	BUY	2.46	Ordinary	6,756	6,756
1-Jun-20	The Vanguard Group, Inc.	BUY	2.47	Ordinary	2,815	2,815
2-Jun-20	The Vanguard Group, Inc.	BUY	2.47	Ordinary	8,445	8,445
4-Jun-20	The Vanguard Group, Inc.	BUY	2.52	Ordinary	2,815	2,815
11-Jun-20	The Vanguard Group, Inc.	BUY	2.37	Ordinary	2,815	2,815
16-Jun-20	The Vanguard Group, Inc.	SELL	2.44	Ordinary	(2,592)	(2,592)
19-Jun-20	The Vanguard Group, Inc.	BUY	2.61	Ordinary	535,446	535,446
19-Jun-20	The Vanguard Group, Inc.	BUY	2.61	Ordinary	54,413	54,413
19-Jun-20	The Vanguard Group, Inc.	SELL	2.60	Ordinary	(3,888)	(3,888)
19-Jun-20	The Vanguard Group, Inc.	BUY	2.61	Ordinary	187,041	187,041
19-Jun-20	The Vanguard Group, Inc.	BUY	2.61	Ordinary	17,015	17,015
22-Jun-20	The Vanguard Group, Inc.	BUY	2.58	Ordinary	32,771	32,771
22-Jun-20	The Vanguard Group, Inc.	BUY	2.58	Ordinary	3,330	3,330
22-Jun-20	The Vanguard Group, Inc.	BUY	2.58	Ordinary	11,447	11,447
22-Jun-20	The Vanguard Group, Inc.	BUY	2.58	Ordinary	1,041	1,041
25-Jun-20	The Vanguard Group, Inc.	SELL	2.48	Ordinary	(6,120)	(6,120)
26-Jun-20	The Vanguard Group, Inc.	SELL	2.43	Ordinary	(4,590)	(4,590)
30-Jun-20	The Vanguard Group, Inc.	BUY	2.39	Ordinary	9,058	9,058
30-Jun-20	The Vanguard Group, Inc.	BUY	2.39	Ordinary	60,611	60,611
15-Jul-20	The Vanguard Group, Inc.	SELL	2.36	Ordinary	(5,820)	(5,820)
15-Jul-20	The Vanguard Group, Inc.	SELL	2.36	Ordinary	(1,940)	(1,940)
23-Jul-20	The Vanguard Group, Inc.	SELL	2.51	Ordinary	(4,590)	(4,590)
3-Aug-20	The Vanguard Group, Inc.	SELL	2.34	Ordinary	(4,587)	(4,587)
6-Aug-20	The Vanguard Group, Inc.	SELL	2.32	Ordinary	(4,587)	(4,587)
10-Aug-20	The Vanguard Group, Inc.	SELL	2.36	Ordinary	(6,116)	(6,116)

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
12-Aug-20	The Vanguard Group, Inc.	SELL	2.51	Ordinary	(4,587)	(4,587)
13-Aug-20	The Vanguard Group, Inc.	SELL	2.56	Ordinary	(1,940)	(1,940)
4-Sep-20	The Vanguard Group, Inc.	BUY	2.72	Ordinary	508	508
8-Sep-20	The Vanguard Group, Inc.	SELL	2.69	Ordinary	(6,116)	(6,116)
9-Sep-20	The Vanguard Group, Inc.	SELL	2.68	Ordinary	(4,587)	(4,587)
10-Sep-20	The Vanguard Group, Inc.	BUY	2.70	Ordinary	3,058	3,058
10-Sep-20	The Vanguard Group, Inc.	SELL	2.70	Ordinary	(4,587)	(4,587)
16-Sep-20	The Vanguard Group, Inc.	SELL	2.80	Ordinary	(3,058)	(3,058)
16-Sep-20	The Vanguard Group, Inc.	SELL	2.80	Ordinary	(6,116)	(6,116)
16-Sep-20	The Vanguard Group, Inc.	BUY	2.83	Ordinary	780	780
17-Sep-20	The Vanguard Group, Inc.	BUY	2.86	Ordinary	218	218
18-Sep-20	The Vanguard Group, Inc.	SELL	2.81	Ordinary	(3,058)	(3,058)
18-Sep-20	The Vanguard Group, Inc.	BUY	2.83	Ordinary	10,940	10,940
18-Sep-20	The Vanguard Group, Inc.	BUY	2.83	Ordinary	1,013	1,013
18-Sep-20	The Vanguard Group, Inc.	SELL	2.83	Ordinary	(10,947)	(10,947)
24-Apr-18	Vanguard Investments Australia Ltd.	BUY	2.81	Ordinary	2,036	2,036
2-May-18	Vanguard Investments Australia Ltd.	BUY	2.90	Ordinary	5,090	5,090
8-May-18	Vanguard Investments Australia Ltd.	BUY	2.85	Ordinary	10,447	10,447
10-May-18	Vanguard Investments Australia Ltd.	SELL	2.78	Ordinary	(59,179)	(59,179)
17-May-18	Vanguard Investments Australia Ltd.	BUY	2.68	Ordinary	3,054	3,054
22-May-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	2,977	2,977
29-May-18	Vanguard Investments Australia Ltd.	BUY	2.70	Ordinary	2,977	2,977
4-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.64	Ordinary	16,966	16,966
4-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.64	Ordinary	121,369	121,369
4-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	5,205	5,205
6-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.69	Ordinary	11,908	11,908
15-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.70	Ordinary	41,110	41,110
15-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	152,046	152,046
15-Jun-18	Vanguard Investments Australia Ltd.	SELL	2.70	Ordinary	(38,559)	(38,559)
15-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.70	Ordinary	32,573	32,573
15-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	120,471	120,471
25-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.74	Ordinary	4,164	4,164
28-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.67	Ordinary	70,016	70,016
29-Jun-18	Vanguard Investments Australia Ltd.	BUY	2.69	Ordinary	6,074	6,074
3-Jul-18	Vanguard Investments Australia Ltd.	BUY	2.80	Ordinary	8,637	8,637
5-Jul-18	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	3,037	3,037
6-Jul-18	Vanguard Investments Australia Ltd.	BUY	2.75	Ordinary	14,425	14,425
6-Jul-18	Vanguard Investments Australia Ltd.	BUY	2.77	Ordinary	6,074	6,074
9-Jul-18	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	3,096	3,096
16-Jul-18	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	6,074	6,074
18-Jul-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	6,074	6,074
23-Jul-18	Vanguard Investments Australia Ltd.	BUY	2.63	Ordinary	3,096	3,096
26-Jul-18	Vanguard Investments Australia Ltd.	BUY	2.62	Ordinary	6,074	6,074
2-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.64	Ordinary	4,128	4,128
3-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.65	Ordinary	12,148	12,148
9-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	6,074	6,074
13-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	28,851	28,851
13-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.72	Ordinary	4,128	4,128
15-Aug-18	Vanguard Investments Australia Ltd.	SELL	2.69	Ordinary	(7,567)	(7,567)
15-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.69	Ordinary	6,074	6,074
23-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.74	Ordinary	6,074	6,074
29-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.78	Ordinary	16,468	16,468
30-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.76	Ordinary	3,099	3,099
31-Aug-18	Vanguard Investments Australia Ltd.	BUY	2.76	Ordinary	3,099	3,099
4-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.81	Ordinary	6,074	6,074
10-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.85	Ordinary	12,132	12,132
10-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.85	Ordinary	6,066	6,066
13-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.84	Ordinary	7,421	7,421
18-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.89	Ordinary	3,216	3,216
19-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.90	Ordinary	6,064	6,064
21-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.95	Ordinary	54,603	54,603
21-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.95	Ordinary	80,661	80,661
21-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.95	Ordinary	65,225	65,225
26-Sep-18	Vanguard Investments Australia Ltd.	BUY	2.86	Ordinary	6,074	6,074

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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-Sep-18	Vanguard Investments Australia Ltd.	SELL	2.82	Ordinary	(3,216)	(3,216)
3-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	12,108	12,108
4-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.82	Ordinary	6,054	6,054
4-Oct-18	Vanguard Investments Australia Ltd.	SELL	2.82	Ordinary	(16,050)	(16,050)
8-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.80	Ordinary	3,216	3,216
15-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.78	Ordinary	9,081	9,081
23-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.76	Ordinary	3,096	3,096
24-Oct-18	Vanguard Investments Australia Ltd.	SELL	2.80	Ordinary	(7,008)	(7,008)
25-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.79	Ordinary	6,054	6,054
25-Oct-18	Vanguard Investments Australia Ltd.	BUY	2.79	Ordinary	2,064	2,064
31-Oct-18	Vanguard Investments Australia Ltd.	SELL	2.85	Ordinary	(15,135)	(15,135)
2-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.86	Ordinary	9,081	9,081
2-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.86	Ordinary	6,054	6,054
9-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.91	Ordinary	6,022	6,022
13-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.92	Ordinary	3,156	3,156
27-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	3,126	3,126
30-Nov-18	Vanguard Investments Australia Ltd.	BUY	2.90	Ordinary	6,002	6,002
30-Nov-18	Vanguard Investments Australia Ltd.	SELL	2.90	Ordinary	(14,589)	(14,589)
4-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.94	Ordinary	120,231	120,231
6-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.92	Ordinary	3,427	3,427
6-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.90	Ordinary	6,136	6,136
6-Dec-18	Vanguard Investments Australia Ltd.	BUY	2.92	Ordinary	5,320	5,320
18-Dec-18	Vanguard Investments Australia Ltd.	BUY	3.04	Ordinary	9,210	9,210
19-Dec-18	Vanguard Investments Australia Ltd.	BUY	3.07	Ordinary	24,626	24,626
20-Dec-18	Vanguard Investments Australia Ltd.	BUY	3.03	Ordinary	26,118	26,118
20-Dec-18	Vanguard Investments Australia Ltd.	BUY	3.06	Ordinary	6,140	6,140
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	3.02	Ordinary	12,887	12,887
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	3.01	Ordinary	68,768	68,768
21-Dec-18	Vanguard Investments Australia Ltd.	BUY	3.02	Ordinary	50,153	50,153
4-Jan-19	Vanguard Investments Australia Ltd.	SELL	3.04	Ordinary	(7,820)	(7,820)
9-Jan-19	Vanguard Investments Australia Ltd.	BUY	3.03	Ordinary	6,306	6,306
14-Jan-19	Vanguard Investments Australia Ltd.	BUY	3.00	Ordinary	3,066	3,066
22-Jan-19	Vanguard Investments Australia Ltd.	BUY	3.04	Ordinary	9,456	9,456
23-Jan-19	Vanguard Investments Australia Ltd.	BUY	3.13	Ordinary	3,152	3,152
4-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.16	Ordinary	6,304	6,304
7-Feb-19	Vanguard Investments Australia Ltd.	SELL	3.18	Ordinary	(8,498)	(8,498)
7-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.17	Ordinary	4,088	4,088
12-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.24	Ordinary	2,048	2,048
13-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.28	Ordinary	20,311	20,311
14-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.29	Ordinary	9,456	9,456
25-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.19	Ordinary	6,353	6,353
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.23	Ordinary	3,205	3,205
26-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.23	Ordinary	3,117	3,117
27-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	2,851	2,851
27-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	14,359	14,359
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.27	Ordinary	968	968
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.34	Ordinary	9,615	9,615
28-Feb-19	Vanguard Investments Australia Ltd.	BUY	3.27	Ordinary	4,874	4,874
1-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.28	Ordinary	8,937	8,937
7-Mar-19	Vanguard Investments Australia Ltd.	SELL	3.30	Ordinary	(3,128)	(3,128)
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	10,338	10,338
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.52	Ordinary	4,287	4,287
15-Mar-19	Vanguard Investments Australia Ltd.	SELL	3.54	Ordinary	(106,914)	(106,914)
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	53,030	53,030
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.52	Ordinary	21,988	21,988
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	3,205	3,205
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	22,721	22,721
15-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.52	Ordinary	9,421	9,421
19-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.52	Ordinary	9,549	9,549
21-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.55	Ordinary	9,518	9,518
22-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.51	Ordinary	11,995	11,995
27-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	6,198	6,198
27-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	14,219	14,219
27-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	10,516	10,516

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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
27-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	122,216	122,216
27-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	52,113	52,113
27-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	109,929	109,929
27-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	1,310,424	1,310,424
27-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	29,236	29,236
27-Mar-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	256,639	256,639
4-Apr-19	Vanguard Investments Australia Ltd.	SELL	3.49	Ordinary	(6,908)	(6,908)
4-Apr-19	Vanguard Investments Australia Ltd.	BUY	3.49	Ordinary	3,615	3,615
5-Apr-19	Vanguard Investments Australia Ltd.	BUY	3.45	Ordinary	10,845	10,845
8-Apr-19	Vanguard Investments Australia Ltd.	BUY	3.45	Ordinary	3,615	3,615
9-Apr-19	Vanguard Investments Australia Ltd.	BUY	3.46	Ordinary	51,574	51,574
10-Apr-19	Vanguard Investments Australia Ltd.	BUY	3.53	Ordinary	3,611	3,611
11-Apr-19	Vanguard Investments Australia Ltd.	BUY	3.57	Ordinary	28,510	28,510
12-Apr-19	Vanguard Investments Australia Ltd.	SELL	3.60	Ordinary	(39,875)	(39,875)
15-Apr-19	Vanguard Investments Australia Ltd.	SELL	3.65	Ordinary	(5,630)	(5,630)
15-Apr-19	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	7,220	7,220
16-Apr-19	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	17,275	17,275
29-Apr-19	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	10,830	10,830
29-Apr-19	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	7,220	7,220
1-May-19	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	35,893	35,893
1-May-19	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	650	650
3-May-19	Vanguard Investments Australia Ltd.	SELL	3.60	Ordinary	(61,427)	(61,427)
9-May-19	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	10,827	10,827
10-May-19	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	42,984	42,984
14-May-19	Vanguard Investments Australia Ltd.	SELL	3.65	Ordinary	(8,207)	(8,207)
14-May-19	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	7,164	7,164
16-May-19	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	8,213	8,213
22-May-19	Vanguard Investments Australia Ltd.	BUY	3.59	Ordinary	14,328	14,328
24-May-19	Vanguard Investments Australia Ltd.	BUY	3.64	Ordinary	7,164	7,164
29-May-19	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	10,740	10,740
29-May-19	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	2,276	2,276
30-May-19	Vanguard Investments Australia Ltd.	BUY	3.57	Ordinary	7,116	7,116
30-May-19	Vanguard Investments Australia Ltd.	SELL	3.58	Ordinary	(51,472)	(51,472)
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.51	Ordinary	7,118	7,118
6-Jun-19	Vanguard Investments Australia Ltd.	SELL	3.51	Ordinary	(37,729)	(37,729)
11-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	14,232	14,232
12-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.79	Ordinary	27,174	27,174
14-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.84	Ordinary	10,677	10,677
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.83	Ordinary	2,274	2,274
20-Jun-19	Vanguard Investments Australia Ltd.	SELL	3.88	Ordinary	(9,319)	(9,319)
20-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	10,677	10,677
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.86	Ordinary	559	559
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.83	Ordinary	29,250	29,250
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.84	Ordinary	14,236	14,236
25-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.78	Ordinary	2,286	2,286
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	14,440	14,440
28-Jun-19	Vanguard Investments Australia Ltd.	SELL	3.65	Ordinary	(34,433)	(34,433)
28-Jun-19	Vanguard Investments Australia Ltd.	SELL	3.65	Ordinary	(10,266)	(10,266)
1-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	7,026	7,026
3-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	14,040	14,040
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	13,996	13,996
15-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	10,497	10,497
17-Jul-19	Vanguard Investments Australia Ltd.	SELL	3.72	Ordinary	(9,000)	(9,000)
17-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	6,998	6,998
18-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	3,375	3,375
22-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	10,494	10,494
22-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	6,996	6,996
25-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	10,494	10,494
29-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	6,996	6,996
31-Jul-19	Vanguard Investments Australia Ltd.	BUY	3.78	Ordinary	6,998	6,998
2-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	6,990	6,990
5-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	2,246	2,246
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	6,990	6,990
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	7,905	7,905

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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
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	10,482	10,482
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.80	Ordinary	47,483	47,483
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	10,482	10,482
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	5,695	5,695
14-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	7,020	7,020
14-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	33,984	33,984
16-Aug-19	Vanguard Investments Australia Ltd.	SELL	3.70	Ordinary	(10,614)	(10,614)
19-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.81	Ordinary	7,014	7,014
21-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	10,521	10,521
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.84	Ordinary	100,980	100,980
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.84	Ordinary	9,354	9,354
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	1,756	1,756
28-Aug-19	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	11,461	11,461
29-Aug-19	Vanguard Investments Australia Ltd.	SELL	3.86	Ordinary	(4,720)	(4,720)
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.78	Ordinary	10,524	10,524
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.78	Ordinary	2,362	2,362
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.82	Ordinary	10,512	10,512
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.82	Ordinary	8,531	8,531
10-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.66	Ordinary	14,016	14,016
10-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.66	Ordinary	3,555	3,555
13-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	10,512	10,512
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	10,512	10,512
23-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	10,464	10,464
24-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.64	Ordinary	4,729	4,729
24-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.64	Ordinary	11,185	11,185
24-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.64	Ordinary	6,976	6,976
26-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	10,470	10,470
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	3.57	Ordinary	3,558	3,558
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.64	Ordinary	17,365	17,365
9-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	17,345	17,345
10-Oct-19	Vanguard Investments Australia Ltd.	SELL	3.70	Ordinary	(5,304)	(5,304)
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	4,740	4,740
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	4,740	4,740
14-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	34,434	34,434
16-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	40,806	40,806
16-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	13,876	13,876
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	16,590	16,590
21-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.81	Ordinary	2,818	2,818
21-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.80	Ordinary	10,398	10,398
22-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.82	Ordinary	9,905	9,905
23-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.77	Ordinary	23,324	23,324
28-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	10,398	10,398
29-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	6,284	6,284
29-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	27,174	27,174
30-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	8,252	8,252
30-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	33,879	33,879
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	13,864	13,864
1-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	18,182	18,182
4-Nov-19	Vanguard Investments Australia Ltd.	SELL	3.67	Ordinary	(4,458)	(4,458)
4-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	6,932	6,932
5-Nov-19	Vanguard Investments Australia Ltd.	SELL	3.61	Ordinary	(19,256)	(19,256)
6-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	13,852	13,852
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	6,926	6,926
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	9,472	9,472
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	4,736	4,736
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	8,288	8,288
12-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.57	Ordinary	10,389	10,389
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	3,561	3,561
15-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.51	Ordinary	6,926	6,926
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.58	Ordinary	9,480	9,480
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.58	Ordinary	5,925	5,925
20-Nov-19	Vanguard Investments Australia Ltd.	SELL	3.59	Ordinary	(24,896)	(24,896)
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.59	Ordinary	10,380	10,380
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.59	Ordinary	10,380	10,380

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-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.58	Ordinary	27,713	27,713
22-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	6,922	6,922
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	8,112	8,112
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	5,910	5,910
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	10,638	10,638
26-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.55	Ordinary	6,922	6,922
26-Nov-19	Vanguard Investments Australia Ltd.	SELL	3.55	Ordinary	(6,306)	(6,306)
27-Nov-19	Vanguard Investments Australia Ltd.	SELL	3.47	Ordinary	(5,541)	(5,541)
27-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.47	Ordinary	13,844	13,844
27-Nov-19	Vanguard Investments Australia Ltd.	SELL	3.47	Ordinary	(11,928)	(11,928)
27-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.47	Ordinary	17,469	17,469
27-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.50	Ordinary	28,546	28,546
28-Nov-19	Vanguard Investments Australia Ltd.	BUY	3.51	Ordinary	17,300	17,300
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.48	Ordinary	13,840	13,840
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.48	Ordinary	10,380	10,380
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.48	Ordinary	12,396	12,396
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	9,273	9,273
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.36	Ordinary	20,489	20,489
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	13,840	13,840
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	13,840	13,840
6-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.39	Ordinary	10,380	10,380
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.36	Ordinary	22,912	22,912
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.37	Ordinary	10,380	10,380
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.37	Ordinary	10,380	10,380
12-Dec-19	Vanguard Investments Australia Ltd.	SELL	3.32	Ordinary	(15,282)	(15,282)
13-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	13,828	13,828
13-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	13,828	13,828
16-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	3,426	3,426
18-Dec-19	Vanguard Investments Australia Ltd.	SELL	3.25	Ordinary	(7,645)	(7,645)
18-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.25	Ordinary	13,824	13,824
19-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	13,824	13,824
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.26	Ordinary	13,824	13,824
20-Dec-19	Vanguard Investments Australia Ltd.	SELL	3.26	Ordinary	(45,330)	(45,330)
23-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.26	Ordinary	10,338	10,338
27-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.29	Ordinary	2,280	2,280
31-Dec-19	Vanguard Investments Australia Ltd.	BUY	3.24	Ordinary	6,972	6,972
3-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.26	Ordinary	13,808	13,808
8-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.33	Ordinary	6,904	6,904
9-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.25	Ordinary	6,904	6,904
13-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.28	Ordinary	10,356	10,356
13-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.28	Ordinary	3,363	3,363
14-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.28	Ordinary	3,363	3,363
15-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.33	Ordinary	10,356	10,356
15-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	11,341	11,341
16-Jan-20	Vanguard Investments Australia Ltd.	SELL	3.37	Ordinary	(1,840)	(1,840)
20-Jan-20	Vanguard Investments Australia Ltd.	SELL	3.38	Ordinary	(5,680)	(5,680)
20-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.38	Ordinary	10,356	10,356
28-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.52	Ordinary	10,353	10,353
30-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.47	Ordinary	10,353	10,353
31-Jan-20	Vanguard Investments Australia Ltd.	BUY	3.47	Ordinary	3,486	3,486
3-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.42	Ordinary	10,353	10,353
11-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.52	Ordinary	13,804	13,804
11-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.48	Ordinary	9,047	9,047
12-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.55	Ordinary	40,917	40,917
13-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.59	Ordinary	13,864	13,864
19-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.80	Ordinary	10,398	10,398
21-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.79	Ordinary	10,395	10,395
26-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	6,932	6,932
27-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.58	Ordinary	20,572	20,572
28-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	3,442	3,442
28-Feb-20	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	45,152	45,152
2-Mar-20	Vanguard Investments Australia Ltd.	BUY	3.41	Ordinary	3,339	3,339
3-Mar-20	Vanguard Investments Australia Ltd.	BUY	3.43	Ordinary	10,350	10,350
9-Mar-20	Vanguard Investments Australia Ltd.	SELL	3.09	Ordinary	(2,840)	(2,840)

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
10-Mar-20	Vanguard Investments Australia Ltd.	BUY	3.00	Ordinary	6,898	6,898
10-Mar-20	Vanguard Investments Australia Ltd.	BUY	3.00	Ordinary	12,487	12,487
12-Mar-20	Vanguard Investments Australia Ltd.	SELL	2.68	Ordinary	(85,165)	(85,165)
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	2.66	Ordinary	25,313	25,313
13-Mar-20	Vanguard Investments Australia Ltd.	SELL	2.40	Ordinary	(3,572)	(3,572)
13-Mar-20	Vanguard Investments Australia Ltd.	SELL	2.40	Ordinary	(38,056)	(38,056)
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	2.40	Ordinary	15,356	15,356
16-Mar-20	Vanguard Investments Australia Ltd.	SELL	2.24	Ordinary	(72,293)	(72,293)
17-Mar-20	Vanguard Investments Australia Ltd.	SELL	1.93	Ordinary	(91,412)	(91,412)
18-Mar-20	Vanguard Investments Australia Ltd.	SELL	1.85	Ordinary	(63,738)	(63,738)
18-Mar-20	Vanguard Investments Australia Ltd.	SELL	1.85	Ordinary	(115,321)	(115,321)
19-Mar-20	Vanguard Investments Australia Ltd.	SELL	1.74	Ordinary	(103,607)	(103,607)
19-Mar-20	Vanguard Investments Australia Ltd.	SELL	1.73	Ordinary	(108,955)	(108,955)
20-Mar-20	Vanguard Investments Australia Ltd.	BUY	1.88	Ordinary	10,350	10,350
26-Mar-20	Vanguard Investments Australia Ltd.	BUY	1.59	Ordinary	58,735	58,735
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	1.63	Ordinary	13,048	13,048
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	1.64	Ordinary	10,365	10,365
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	1.64	Ordinary	13,820	13,820
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	1.63	Ordinary	49,797	49,797
31-Mar-20	Vanguard Investments Australia Ltd.	BUY	1.86	Ordinary	13,848	13,848
31-Mar-20	Vanguard Investments Australia Ltd.	SELL	1.85	Ordinary	(30,000)	(30,000)
31-Mar-20	Vanguard Investments Australia Ltd.	SELL	1.86	Ordinary	(120,864)	(120,864)
2-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.22	Ordinary	15,484	15,484
7-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.13	Ordinary	17,105	17,105
9-Apr-20	Vanguard Investments Australia Ltd.	SELL	2.21	Ordinary	(31,377)	(31,377)
14-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.13	Ordinary	13,680	13,680
14-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.13	Ordinary	13,680	13,680
14-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.13	Ordinary	13,680	13,680
16-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.12	Ordinary	25,000	25,000
21-Apr-20	Vanguard Investments Australia Ltd.	SELL	2.24	Ordinary	(3,040)	(3,040)
22-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.23	Ordinary	13,644	13,644
28-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.29	Ordinary	13,644	13,644
29-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.30	Ordinary	3,309	3,309
30-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.44	Ordinary	13,644	13,644
30-Apr-20	Vanguard Investments Australia Ltd.	BUY	2.44	Ordinary	4,412	4,412
1-May-20	Vanguard Investments Australia Ltd.	BUY	2.38	Ordinary	10,233	10,233
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	20,803	20,803
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	11,357	11,357
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	4,872	4,872
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	17,514	17,514
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	12,420	12,420
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	2,475	2,475
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	148,441	148,441
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	5,444	5,444
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	39	39
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	23,047	23,047
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	155,381	155,381
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	165,772	165,772
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	2,527	2,527
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	53,812	53,812
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	151,881	151,881
5-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	386,835	386,835
6-May-20	Vanguard Investments Australia Ltd.	SELL	2.28	Ordinary	(14,085)	(14,085)
8-May-20	Vanguard Investments Australia Ltd.	BUY	2.27	Ordinary	30,558	30,558
11-May-20	Vanguard Investments Australia Ltd.	BUY	2.27	Ordinary	42,500	42,500
11-May-20	Vanguard Investments Australia Ltd.	BUY	2.27	Ordinary	20,400	20,400
12-May-20	Vanguard Investments Australia Ltd.	SELL	2.22	Ordinary	(3,128)	(3,128)
12-May-20	Vanguard Investments Australia Ltd.	BUY	2.22	Ordinary	10,167	10,167
15-May-20	Vanguard Investments Australia Ltd.	BUY	2.20	Ordinary	37,037	37,037
19-May-20	Vanguard Investments Australia Ltd.	BUY	2.22	Ordinary	75,481	75,481
20-May-20	Vanguard Investments Australia Ltd.	BUY	2.25	Ordinary	4,002	4,002
21-May-20	Vanguard Investments Australia Ltd.	BUY	2.24	Ordinary	10,167	10,167
26-May-20	Vanguard Investments Australia Ltd.	BUY	2.46	Ordinary	28,602	28,602
27-May-20	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	27,852	27,852

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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-May-20	Vanguard Investments Australia Ltd.	BUY	2.46	Ordinary	19,793	19,793
28-May-20	Vanguard Investments Australia Ltd.	BUY	2.46	Ordinary	13,556	13,556
1-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.46	Ordinary	36,778	36,778
1-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.45	Ordinary	6,778	6,778
2-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.45	Ordinary	19,954	19,954
3-Jun-20	Vanguard Investments Australia Ltd.	SELL	2.42	Ordinary	(3,061)	(3,061)
3-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.50	Ordinary	49,226	49,226
4-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.51	Ordinary	38,732	38,732
4-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.52	Ordinary	13,556	13,556
4-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.52	Ordinary	13,556	13,556
10-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.50	Ordinary	3,349	3,349
10-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.50	Ordinary	23,875	23,875
11-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	16,740	16,740
11-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.41	Ordinary	13,392	13,392
19-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	56,848	56,848
19-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	1,914,890	1,914,890
22-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.58	Ordinary	117,193	117,193
23-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.56	Ordinary	34,375	34,375
25-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.46	Ordinary	15,960	15,960
29-Jun-20	Vanguard Investments Australia Ltd.	BUY	2.36	Ordinary	16,176	16,176
30-Jun-20	Vanguard Investments Australia Ltd.	SELL	2.35	Ordinary	(103,400)	(103,400)
30-Jun-20	Vanguard Investments Australia Ltd.	SELL	2.32	Ordinary	(33,067)	(33,067)
30-Jun-20	Vanguard Investments Australia Ltd.	SELL	2.35	Ordinary	(14,284)	(14,284)
1-Jul-20	Vanguard Investments Australia Ltd.	BUY	2.40	Ordinary	4,000	4,000
6-Jul-20	Vanguard Investments Australia Ltd.	BUY	2.45	Ordinary	16,004	16,004
9-Jul-20	Vanguard Investments Australia Ltd.	SELL	2.35	Ordinary	(50,851)	(50,851)
23-Jul-20	Vanguard Investments Australia Ltd.	SELL	2.53	Ordinary	(5,951)	(5,951)
24-Jul-20	Vanguard Investments Australia Ltd.	BUY	2.47	Ordinary	16,004	16,004
24-Jul-20	Vanguard Investments Australia Ltd.	BUY	2.46	Ordinary	62,504	62,504
28-Jul-20	Vanguard Investments Australia Ltd.	BUY	2.40	Ordinary	4,001	4,001
31-Jul-20	Vanguard Investments Australia Ltd.	BUY	2.43	Ordinary	12,139	12,139
11-Aug-20	Vanguard Investments Australia Ltd.	SELL	2.47	Ordinary	(3,136)	(3,136)
12-Aug-20	Vanguard Investments Australia Ltd.	BUY	2.50	Ordinary	5,264	5,264
19-Aug-20	Vanguard Investments Australia Ltd.	SELL	2.62	Ordinary	(23,976)	(23,976)
20-Aug-20	Vanguard Investments Australia Ltd.	SELL	2.59	Ordinary	(2,824)	(2,824)
21-Aug-20	Vanguard Investments Australia Ltd.	BUY	2.71	Ordinary	5,120	5,120
1-Sep-20	Vanguard Investments Australia Ltd.	BUY	2.61	Ordinary	151,945	151,945
1-Sep-20	Vanguard Investments Australia Ltd.	SELL	2.61	Ordinary	(206,232)	(206,232)
16-Sep-20	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	986	986
16-Sep-20	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	28,626	28,626
16-Sep-20	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	12,608	12,608
17-Sep-20	Vanguard Investments Australia Ltd.	BUY	2.86	Ordinary	275	275
17-Sep-20	Vanguard Investments Australia Ltd.	BUY	2.86	Ordinary	7,988	7,988
17-Sep-20	Vanguard Investments Australia Ltd.	BUY	2.86	Ordinary	3,519	3,519
18-Sep-20	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	13,836	13,836
18-Sep-20	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	402,027	402,027
18-Sep-20	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	177,066	177,066

This is Annexure A of 10 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 23 September 2020