

Form 605Corporations Act 2001
Section 671B**Notice of ceasing to be a substantial holder**

To Company Name/Scheme Macquarie Group Limited
 ACN/ARSN 122 169 279

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

The holder ceased to be a substantial holder on 30 September 2019

The previous notice was given to the company on 12 April 2019

The previous notice was dated 12 April 2019

2. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest (2) of the substantial holder or an associate (3) 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 (4)	Consideration given in relation to change (5)	Class (6) and number of securities affected	Person's votes affected
See Annexure A					Vanguard Group now holds 4.980% of voting power

3. Changes in association

The persons who have become associates (3) of, ceased to be associates of, or have changed the nature of their association (7) 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

4. 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 02 October 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 4 of the form.
- (2) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (3) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (4) 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.

- (5) 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.
- (6) The voting shares of a company constitute one class unless divided into separate classes.
- (7) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

To Company
ACN/ARSN

Macquarie Group Limited
122 169 279

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
10-Apr-2019	The Vanguard Group, Inc.	BUY	130.59	Ordinary	7,765	7,765
12-Apr-2019	The Vanguard Group, Inc.	BUY	132.00	Ordinary	8,832	8,832
15-Apr-2019	The Vanguard Group, Inc.	BUY	133.19	Ordinary	4,368	4,368
15-Apr-2019	The Vanguard Group, Inc.	SELL	132.27	Ordinary	(959)	(959)
16-Apr-2019	The Vanguard Group, Inc.	BUY	132.90	Ordinary	174	174
16-Apr-2019	The Vanguard Group, Inc.	BUY	133.29	Ordinary	141	141
17-Apr-2019	The Vanguard Group, Inc.	BUY	134.17	Ordinary	7,614	7,614
18-Apr-2019	The Vanguard Group, Inc.	BUY	133.17	Ordinary	4,059	4,059
23-Apr-2019	The Vanguard Group, Inc.	BUY	135.36	Ordinary	972	972
23-Apr-2019	The Vanguard Group, Inc.	SELL	135.36	Ordinary	(548)	(548)
23-Apr-2019	The Vanguard Group, Inc.	SELL	134.50	Ordinary	(1,784)	(1,784)
24-Apr-2019	The Vanguard Group, Inc.	BUY	135.92	Ordinary	6,361	6,361
24-Apr-2019	The Vanguard Group, Inc.	SELL	135.77	Ordinary	(4,069)	(4,069)
24-Apr-2019	The Vanguard Group, Inc.	BUY	135.92	Ordinary	32	32
24-Apr-2019	The Vanguard Group, Inc.	BUY	135.77	Ordinary	268	268
25-Apr-2019	The Vanguard Group, Inc.	SELL	135.88	Ordinary	(685)	(685)
26-Apr-2019	The Vanguard Group, Inc.	BUY	136.30	Ordinary	1,605	1,605
26-Apr-2019	The Vanguard Group, Inc.	SELL	136.30	Ordinary	(685)	(685)
26-Apr-2019	The Vanguard Group, Inc.	SELL	132.95	Ordinary	(151)	(151)
26-Apr-2019	The Vanguard Group, Inc.	BUY	132.95	Ordinary	259	259
30-Apr-2019	The Vanguard Group, Inc.	BUY	134.81	Ordinary	261	261
2-May-2019	The Vanguard Group, Inc.	BUY	136.02	Ordinary	19,040	19,040
3-May-2019	The Vanguard Group, Inc.	BUY	127.01	Ordinary	3,485	3,485
3-May-2019	The Vanguard Group, Inc.	BUY	128.78	Ordinary	613	613
3-May-2019	The Vanguard Group, Inc.	BUY	128.81	Ordinary	326	326
6-May-2019	The Vanguard Group, Inc.	SELL	126.71	Ordinary	(1,692)	(1,692)
7-May-2019	The Vanguard Group, Inc.	BUY	125.53	Ordinary	1,780	1,780
7-May-2019	The Vanguard Group, Inc.	BUY	124.16	Ordinary	540	540
7-May-2019	The Vanguard Group, Inc.	BUY	125.53	Ordinary	3,087	3,087
7-May-2019	The Vanguard Group, Inc.	BUY	124.89	Ordinary	235	235
7-May-2019	The Vanguard Group, Inc.	BUY	125.18	Ordinary	613	613
8-May-2019	The Vanguard Group, Inc.	SELL	124.00	Ordinary	(1,692)	(1,692)
8-May-2019	The Vanguard Group, Inc.	BUY	123.05	Ordinary	9,049	9,049
8-May-2019	The Vanguard Group, Inc.	BUY	123.05	Ordinary	2,536	2,536
8-May-2019	The Vanguard Group, Inc.	BUY	124.00	Ordinary	261	261
8-May-2019	The Vanguard Group, Inc.	BUY	124.03	Ordinary	132	132
8-May-2019	The Vanguard Group, Inc.	BUY	123.05	Ordinary	2,536	2,536
9-May-2019	The Vanguard Group, Inc.	BUY	124.44	Ordinary	1,926	1,926
9-May-2019	The Vanguard Group, Inc.	BUY	124.44	Ordinary	380	380
10-May-2019	The Vanguard Group, Inc.	BUY	124.68	Ordinary	11,567	11,567
10-May-2019	The Vanguard Group, Inc.	BUY	124.68	Ordinary	2,924	2,924
10-May-2019	The Vanguard Group, Inc.	BUY	124.63	Ordinary	324	324
10-May-2019	The Vanguard Group, Inc.	BUY	124.63	Ordinary	132	132
10-May-2019	The Vanguard Group, Inc.	SELL	124.63	Ordinary	(5,136)	(5,136)
13-May-2019	The Vanguard Group, Inc.	BUY	121.00	Ordinary	1,239	1,239
14-May-2019	The Vanguard Group, Inc.	SELL	117.97	Ordinary	(1,692)	(1,692)
14-May-2019	The Vanguard Group, Inc.	BUY	117.97	Ordinary	808	808
14-May-2019	The Vanguard Group, Inc.	BUY	117.97	Ordinary	190	190
14-May-2019	The Vanguard Group, Inc.	BUY	117.50	Ordinary	103	103
14-May-2019	The Vanguard Group, Inc.	BUY	118.29	Ordinary	141	141
15-May-2019	The Vanguard Group, Inc.	BUY	117.05	Ordinary	9,978	9,978
15-May-2019	The Vanguard Group, Inc.	BUY	119.11	Ordinary	4,264	4,264
16-May-2019	The Vanguard Group, Inc.	BUY	120.00	Ordinary	202	202
16-May-2019	The Vanguard Group, Inc.	BUY	119.34	Ordinary	50,346	50,346
17-May-2019	The Vanguard Group, Inc.	BUY	120.31	Ordinary	11,738	11,738
17-May-2019	The Vanguard Group, Inc.	BUY	120.31	Ordinary	5,866	5,866
17-May-2019	The Vanguard Group, Inc.	BUY	120.31	Ordinary	128	128
17-May-2019	The Vanguard Group, Inc.	BUY	119.93	Ordinary	439	439
20-May-2019	The Vanguard Group, Inc.	BUY	121.45	Ordinary	540	540
21-May-2019	The Vanguard Group, Inc.	BUY	122.11	Ordinary	37,316	37,316
21-May-2019	The Vanguard Group, Inc.	BUY	123.14	Ordinary	108	108
21-May-2019	The Vanguard Group, Inc.	BUY	123.14	Ordinary	1,528	1,528
22-May-2019	The Vanguard Group, Inc.	BUY	122.41	Ordinary	7,354	7,354
22-May-2019	The Vanguard Group, Inc.	BUY	122.41	Ordinary	1,968	1,968

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
22-May-2019	The Vanguard Group, Inc.	BUY	121.59	Ordinary	1,508	1,508
24-May-2019	The Vanguard Group, Inc.	BUY	120.77	Ordinary	504	504
28-May-2019	The Vanguard Group, Inc.	BUY	121.49	Ordinary	1,605	1,605
28-May-2019	The Vanguard Group, Inc.	SELL	122.58	Ordinary	(7,593)	(7,593)
28-May-2019	The Vanguard Group, Inc.	BUY	122.57	Ordinary	1,445	1,445
29-May-2019	The Vanguard Group, Inc.	BUY	121.50	Ordinary	922	922
29-May-2019	The Vanguard Group, Inc.	SELL	120.98	Ordinary	(1,370)	(1,370)
29-May-2019	The Vanguard Group, Inc.	SELL	121.22	Ordinary	(239)	(239)
29-May-2019	The Vanguard Group, Inc.	BUY	121.22	Ordinary	251	251
30-May-2019	The Vanguard Group, Inc.	BUY	120.36	Ordinary	6,921	6,921
30-May-2019	The Vanguard Group, Inc.	BUY	120.36	Ordinary	1,454	1,454
30-May-2019	The Vanguard Group, Inc.	BUY	120.43	Ordinary	132	132
31-May-2019	The Vanguard Group, Inc.	BUY	120.15	Ordinary	463	463
31-May-2019	The Vanguard Group, Inc.	SELL	120.31	Ordinary	(8,946)	(8,946)
3-Jun-2019	The Vanguard Group, Inc.	BUY	115.79	Ordinary	540	540
3-Jun-2019	The Vanguard Group, Inc.	BUY	119.37	Ordinary	1,756	1,756
4-Jun-2019	The Vanguard Group, Inc.	SELL	115.57	Ordinary	(685)	(685)
4-Jun-2019	The Vanguard Group, Inc.	BUY	115.20	Ordinary	3,051	3,051
5-Jun-2019	The Vanguard Group, Inc.	SELL	117.40	Ordinary	(1,128)	(1,128)
5-Jun-2019	The Vanguard Group, Inc.	SELL	117.40	Ordinary	(2,256)	(2,256)
5-Jun-2019	The Vanguard Group, Inc.	BUY	115.64	Ordinary	9,643	9,643
5-Jun-2019	The Vanguard Group, Inc.	SELL	115.60	Ordinary	(141)	(141)
5-Jun-2019	The Vanguard Group, Inc.	SELL	116.86	Ordinary	(613)	(613)
6-Jun-2019	The Vanguard Group, Inc.	BUY	117.72	Ordinary	380	380
6-Jun-2019	The Vanguard Group, Inc.	BUY	117.25	Ordinary	153	153
6-Jun-2019	The Vanguard Group, Inc.	SELL	117.25	Ordinary	(10,660)	(10,660)
7-Jun-2019	The Vanguard Group, Inc.	BUY	119.59	Ordinary	380	380
7-Jun-2019	The Vanguard Group, Inc.	BUY	119.59	Ordinary	174	174
7-Jun-2019	The Vanguard Group, Inc.	BUY	119.21	Ordinary	84	84
7-Jun-2019	The Vanguard Group, Inc.	BUY	119.21	Ordinary	7,781	7,781
10-Jun-2019	The Vanguard Group, Inc.	BUY	120.18	Ordinary	648	648
10-Jun-2019	The Vanguard Group, Inc.	BUY	120.18	Ordinary	261	261
11-Jun-2019	The Vanguard Group, Inc.	SELL	120.88	Ordinary	(1,410)	(1,410)
11-Jun-2019	The Vanguard Group, Inc.	BUY	119.51	Ordinary	12	12
11-Jun-2019	The Vanguard Group, Inc.	BUY	121.15	Ordinary	132	132
11-Jun-2019	The Vanguard Group, Inc.	BUY	121.15	Ordinary	132	132
12-Jun-2019	The Vanguard Group, Inc.	BUY	120.96	Ordinary	648	648
12-Jun-2019	The Vanguard Group, Inc.	BUY	121.00	Ordinary	216	216
12-Jun-2019	The Vanguard Group, Inc.	SELL	121.00	Ordinary	(1,994)	(1,994)
13-Jun-2019	The Vanguard Group, Inc.	BUY	122.43	Ordinary	216	216
13-Jun-2019	The Vanguard Group, Inc.	SELL	122.13	Ordinary	(9,936)	(9,936)
14-Jun-2019	The Vanguard Group, Inc.	SELL	122.21	Ordinary	(846)	(846)
14-Jun-2019	The Vanguard Group, Inc.	BUY	122.21	Ordinary	174	174
14-Jun-2019	The Vanguard Group, Inc.	BUY	122.21	Ordinary	174	174
14-Jun-2019	The Vanguard Group, Inc.	SELL	122.02	Ordinary	(8,913)	(8,913)
17-Jun-2019	The Vanguard Group, Inc.	BUY	123.38	Ordinary	153	153
17-Jun-2019	The Vanguard Group, Inc.	SELL	123.38	Ordinary	(2,663)	(2,663)
18-Jun-2019	The Vanguard Group, Inc.	SELL	123.60	Ordinary	(2,081)	(2,081)
18-Jun-2019	The Vanguard Group, Inc.	BUY	123.64	Ordinary	7,239	7,239
18-Jun-2019	The Vanguard Group, Inc.	BUY	123.80	Ordinary	286	286
19-Jun-2019	The Vanguard Group, Inc.	BUY	125.00	Ordinary	3,805	3,805
19-Jun-2019	The Vanguard Group, Inc.	BUY	125.00	Ordinary	368	368
19-Jun-2019	The Vanguard Group, Inc.	SELL	125.00	Ordinary	(3,523)	(3,523)
20-Jun-2019	The Vanguard Group, Inc.	BUY	127.67	Ordinary	540	540
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(3,196)	(3,196)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(3,844)	(3,844)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(13,688)	(13,688)
21-Jun-2019	The Vanguard Group, Inc.	BUY	126.05	Ordinary	270	270
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(16,467)	(16,467)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(124)	(124)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(150)	(150)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(404)	(404)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(487)	(487)
21-Jun-2019	The Vanguard Group, Inc.	BUY	126.00	Ordinary	276	276
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(5)	(5)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(7)	(7)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(68)	(68)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(82)	(82)
24-Jun-2019	The Vanguard Group, Inc.	BUY	126.41	Ordinary	1,680	1,680
25-Jun-2019	The Vanguard Group, Inc.	BUY	126.41	Ordinary	6,802	6,802
25-Jun-2019	The Vanguard Group, Inc.	SELL	125.59	Ordinary	(846)	(846)

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
25-Jun-2019	The Vanguard Group, Inc.	BUY	125.59	Ordinary	486	486
25-Jun-2019	The Vanguard Group, Inc.	BUY	125.59	Ordinary	324	324
25-Jun-2019	The Vanguard Group, Inc.	BUY	126.31	Ordinary	663	663
26-Jun-2019	The Vanguard Group, Inc.	BUY	125.91	Ordinary	648	648
26-Jun-2019	The Vanguard Group, Inc.	BUY	125.91	Ordinary	378	378
26-Jun-2019	The Vanguard Group, Inc.	BUY	126.17	Ordinary	2,559	2,559
26-Jun-2019	The Vanguard Group, Inc.	BUY	126.18	Ordinary	613	613
26-Jun-2019	The Vanguard Group, Inc.	BUY	126.18	Ordinary	872	872
27-Jun-2019	The Vanguard Group, Inc.	BUY	125.29	Ordinary	12,176	12,176
27-Jun-2019	The Vanguard Group, Inc.	BUY	125.29	Ordinary	545	545
27-Jun-2019	The Vanguard Group, Inc.	SELL	125.70	Ordinary	(295)	(295)
28-Jun-2019	The Vanguard Group, Inc.	BUY	125.39	Ordinary	16,313	16,313
28-Jun-2019	The Vanguard Group, Inc.	BUY	125.64	Ordinary	870	870
28-Jun-2019	The Vanguard Group, Inc.	SELL	125.39	Ordinary	(26)	(26)
1-Jul-2019	The Vanguard Group, Inc.	BUY	127.19	Ordinary	174	174
1-Jul-2019	The Vanguard Group, Inc.	BUY	126.03	Ordinary	747	747
2-Jul-2019	The Vanguard Group, Inc.	BUY	127.17	Ordinary	486	486
2-Jul-2019	The Vanguard Group, Inc.	SELL	127.12	Ordinary	(22)	(22)
2-Jul-2019	The Vanguard Group, Inc.	BUY	127.12	Ordinary	6,016	6,016
3-Jul-2019	The Vanguard Group, Inc.	BUY	126.37	Ordinary	2,812	2,812
4-Jul-2019	The Vanguard Group, Inc.	BUY	128.89	Ordinary	2,892	2,892
5-Jul-2019	The Vanguard Group, Inc.	BUY	130.08	Ordinary	1,284	1,284
8-Jul-2019	The Vanguard Group, Inc.	BUY	130.00	Ordinary	312	312
9-Jul-2019	The Vanguard Group, Inc.	BUY	128.28	Ordinary	540	540
9-Jul-2019	The Vanguard Group, Inc.	BUY	127.74	Ordinary	153	153
10-Jul-2019	The Vanguard Group, Inc.	BUY	128.34	Ordinary	5,900	5,900
10-Jul-2019	The Vanguard Group, Inc.	BUY	128.01	Ordinary	912	912
11-Jul-2019	The Vanguard Group, Inc.	BUY	129.00	Ordinary	498	498
12-Jul-2019	The Vanguard Group, Inc.	BUY	126.74	Ordinary	418	418
12-Jul-2019	The Vanguard Group, Inc.	SELL	127.51	Ordinary	(2,200)	(2,200)
12-Jul-2019	The Vanguard Group, Inc.	SELL	127.51	Ordinary	(4,922)	(4,922)
15-Jul-2019	The Vanguard Group, Inc.	BUY	126.80	Ordinary	1,926	1,926
16-Jul-2019	The Vanguard Group, Inc.	BUY	126.50	Ordinary	6,587	6,587
17-Jul-2019	The Vanguard Group, Inc.	BUY	127.71	Ordinary	270	270
17-Jul-2019	The Vanguard Group, Inc.	BUY	127.71	Ordinary	540	540
17-Jul-2019	The Vanguard Group, Inc.	BUY	127.71	Ordinary	378	378
17-Jul-2019	The Vanguard Group, Inc.	SELL	128.21	Ordinary	(236)	(236)
18-Jul-2019	The Vanguard Group, Inc.	BUY	126.70	Ordinary	295	295
19-Jul-2019	The Vanguard Group, Inc.	BUY	126.76	Ordinary	384	384
22-Jul-2019	The Vanguard Group, Inc.	BUY	127.47	Ordinary	540	540
22-Jul-2019	The Vanguard Group, Inc.	BUY	127.47	Ordinary	1,605	1,605
22-Jul-2019	The Vanguard Group, Inc.	BUY	127.47	Ordinary	1,605	1,605
22-Jul-2019	The Vanguard Group, Inc.	BUY	127.47	Ordinary	384	384
22-Jul-2019	The Vanguard Group, Inc.	SELL	127.42	Ordinary	(5,696)	(5,696)
23-Jul-2019	The Vanguard Group, Inc.	BUY	129.40	Ordinary	540	540
23-Jul-2019	The Vanguard Group, Inc.	BUY	128.88	Ordinary	956	956
23-Jul-2019	The Vanguard Group, Inc.	BUY	128.88	Ordinary	132	132
24-Jul-2019	The Vanguard Group, Inc.	BUY	129.08	Ordinary	9,629	9,629
25-Jul-2019	The Vanguard Group, Inc.	BUY	130.12	Ordinary	630	630
26-Jul-2019	The Vanguard Group, Inc.	BUY	128.89	Ordinary	8,980	8,980
26-Jul-2019	The Vanguard Group, Inc.	BUY	129.15	Ordinary	486	486
26-Jul-2019	The Vanguard Group, Inc.	BUY	129.15	Ordinary	1,050	1,050
26-Jul-2019	The Vanguard Group, Inc.	BUY	129.15	Ordinary	384	384
26-Jul-2019	The Vanguard Group, Inc.	BUY	128.68	Ordinary	78	78
26-Jul-2019	The Vanguard Group, Inc.	SELL	128.68	Ordinary	(1,244)	(1,244)
29-Jul-2019	The Vanguard Group, Inc.	SELL	129.71	Ordinary	(7,035)	(7,035)
30-Jul-2019	The Vanguard Group, Inc.	SELL	128.89	Ordinary	(1,128)	(1,128)
30-Jul-2019	The Vanguard Group, Inc.	SELL	129.50	Ordinary	(120)	(120)
30-Jul-2019	The Vanguard Group, Inc.	BUY	128.89	Ordinary	170	170
30-Jul-2019	The Vanguard Group, Inc.	BUY	128.98	Ordinary	595	595
30-Jul-2019	The Vanguard Group, Inc.	BUY	129.02	Ordinary	4,180	4,180
30-Jul-2019	The Vanguard Group, Inc.	BUY	129.02	Ordinary	761	761
31-Jul-2019	The Vanguard Group, Inc.	BUY	127.98	Ordinary	486	486
1-Aug-2019	The Vanguard Group, Inc.	BUY	128.32	Ordinary	15,525	15,525
1-Aug-2019	The Vanguard Group, Inc.	BUY	127.40	Ordinary	2,889	2,889
1-Aug-2019	The Vanguard Group, Inc.	SELL	128.02	Ordinary	(264)	(264)
1-Aug-2019	The Vanguard Group, Inc.	SELL	127.93	Ordinary	(12,133)	(12,133)
2-Aug-2019	The Vanguard Group, Inc.	BUY	126.79	Ordinary	8,789	8,789
2-Aug-2019	The Vanguard Group, Inc.	BUY	125.65	Ordinary	840	840
5-Aug-2019	The Vanguard Group, Inc.	BUY	121.66	Ordinary	540	540
5-Aug-2019	The Vanguard Group, Inc.	SELL	121.66	Ordinary	(274)	(274)

Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
5-Aug-2019	The Vanguard Group, Inc.	SELL	121.66	Ordinary	(685)	(685)
5-Aug-2019	The Vanguard Group, Inc.	BUY	121.66	Ordinary	1,050	1,050
5-Aug-2019	The Vanguard Group, Inc.	BUY	125.50	Ordinary	1,165	1,165
5-Aug-2019	The Vanguard Group, Inc.	BUY	123.33	Ordinary	264	264
6-Aug-2019	The Vanguard Group, Inc.	BUY	119.44	Ordinary	8,824	8,824
6-Aug-2019	The Vanguard Group, Inc.	SELL	120.61	Ordinary	(1,096)	(1,096)
6-Aug-2019	The Vanguard Group, Inc.	SELL	120.61	Ordinary	(2,329)	(2,329)
6-Aug-2019	The Vanguard Group, Inc.	BUY	120.61	Ordinary	192	192
6-Aug-2019	The Vanguard Group, Inc.	BUY	120.61	Ordinary	170	170
6-Aug-2019	The Vanguard Group, Inc.	BUY	119.63	Ordinary	3,564	3,564
6-Aug-2019	The Vanguard Group, Inc.	BUY	120.35	Ordinary	11,201	11,201
7-Aug-2019	The Vanguard Group, Inc.	BUY	120.35	Ordinary	3,433	3,433
7-Aug-2019	The Vanguard Group, Inc.	SELL	120.59	Ordinary	(107)	(107)
8-Aug-2019	The Vanguard Group, Inc.	SELL	123.43	Ordinary	(1,410)	(1,410)
8-Aug-2019	The Vanguard Group, Inc.	BUY	120.47	Ordinary	3,070	3,070
8-Aug-2019	The Vanguard Group, Inc.	BUY	122.38	Ordinary	467	467
9-Aug-2019	The Vanguard Group, Inc.	BUY	122.50	Ordinary	7,230	7,230
9-Aug-2019	The Vanguard Group, Inc.	BUY	122.50	Ordinary	920	920
9-Aug-2019	The Vanguard Group, Inc.	BUY	122.50	Ordinary	576	576
12-Aug-2019	The Vanguard Group, Inc.	BUY	121.44	Ordinary	864	864
12-Aug-2019	The Vanguard Group, Inc.	BUY	122.37	Ordinary	132	132
13-Aug-2019	The Vanguard Group, Inc.	SELL	121.44	Ordinary	(1,974)	(1,974)
13-Aug-2019	The Vanguard Group, Inc.	BUY	121.44	Ordinary	384	384
13-Aug-2019	The Vanguard Group, Inc.	BUY	120.80	Ordinary	234	234
14-Aug-2019	The Vanguard Group, Inc.	BUY	121.98	Ordinary	153	153
14-Aug-2019	The Vanguard Group, Inc.	SELL	121.28	Ordinary	(631)	(631)
15-Aug-2019	The Vanguard Group, Inc.	SELL	117.88	Ordinary	(1,692)	(1,692)
15-Aug-2019	The Vanguard Group, Inc.	BUY	119.33	Ordinary	13,786	13,786
15-Aug-2019	The Vanguard Group, Inc.	BUY	118.00	Ordinary	281	281
16-Aug-2019	The Vanguard Group, Inc.	BUY	118.09	Ordinary	7,889	7,889
16-Aug-2019	The Vanguard Group, Inc.	BUY	118.54	Ordinary	301	301
19-Aug-2019	The Vanguard Group, Inc.	BUY	122.73	Ordinary	170	170
19-Aug-2019	The Vanguard Group, Inc.	SELL	122.22	Ordinary	(213)	(213)
19-Aug-2019	The Vanguard Group, Inc.	BUY	122.22	Ordinary	3,456	3,456
19-Aug-2019	The Vanguard Group, Inc.	BUY	122.22	Ordinary	2,280	2,280
20-Aug-2019	The Vanguard Group, Inc.	SELL	122.72	Ordinary	(548)	(548)
20-Aug-2019	The Vanguard Group, Inc.	BUY	122.72	Ordinary	170	170
20-Aug-2019	The Vanguard Group, Inc.	SELL	122.26	Ordinary	(635)	(635)
22-Aug-2019	The Vanguard Group, Inc.	BUY	124.38	Ordinary	1,080	1,080
22-Aug-2019	The Vanguard Group, Inc.	SELL	124.99	Ordinary	(2,374)	(2,374)
23-Aug-2019	The Vanguard Group, Inc.	BUY	122.38	Ordinary	170	170
27-Aug-2019	The Vanguard Group, Inc.	SELL	123.56	Ordinary	(1,348)	(1,348)
29-Aug-2019	The Vanguard Group, Inc.	BUY	122.53	Ordinary	4,528	4,528
30-Aug-2019	The Vanguard Group, Inc.	BUY	123.84	Ordinary	10,882	10,882
2-Sep-2019	The Vanguard Group, Inc.	BUY	123.50	Ordinary	3,236	3,236
5-Sep-2019	The Vanguard Group, Inc.	BUY	124.27	Ordinary	11,465	11,465
6-Sep-2019	The Vanguard Group, Inc.	SELL	125.50	Ordinary	(132)	(132)
6-Sep-2019	The Vanguard Group, Inc.	BUY	127.08	Ordinary	160	160
6-Sep-2019	The Vanguard Group, Inc.	SELL	125.50	Ordinary	(695)	(695)
9-Sep-2019	The Vanguard Group, Inc.	BUY	127.62	Ordinary	702	702
11-Sep-2019	The Vanguard Group, Inc.	BUY	129.18	Ordinary	702	702
12-Sep-2019	The Vanguard Group, Inc.	BUY	128.83	Ordinary	540	540
12-Sep-2019	The Vanguard Group, Inc.	BUY	128.87	Ordinary	100	100
13-Sep-2019	The Vanguard Group, Inc.	SELL	129.00	Ordinary	(143)	(143)
16-Sep-2019	The Vanguard Group, Inc.	BUY	129.62	Ordinary	858	858
16-Sep-2019	The Vanguard Group, Inc.	BUY	129.62	Ordinary	170	170
16-Sep-2019	The Vanguard Group, Inc.	SELL	129.43	Ordinary	(2,201)	(2,201)
16-Sep-2019	The Vanguard Group, Inc.	BUY	129.43	Ordinary	1,768	1,768
17-Sep-2019	The Vanguard Group, Inc.	BUY	128.81	Ordinary	138	138
18-Sep-2019	The Vanguard Group, Inc.	BUY	128.93	Ordinary	486	486
20-Sep-2019	The Vanguard Group, Inc.	SELL	131.11	Ordinary	(33,815)	(33,815)
20-Sep-2019	The Vanguard Group, Inc.	BUY	131.05	Ordinary	303	303
20-Sep-2019	The Vanguard Group, Inc.	SELL	131.11	Ordinary	(410)	(410)
20-Sep-2019	The Vanguard Group, Inc.	SELL	131.05	Ordinary	(756)	(756)
23-Sep-2019	The Vanguard Group, Inc.	BUY	131.17	Ordinary	540	540
24-Sep-2019	The Vanguard Group, Inc.	SELL	132.13	Ordinary	(251)	(251)
24-Sep-2019	The Vanguard Group, Inc.	BUY	132.13	Ordinary	400	400
24-Sep-2019	The Vanguard Group, Inc.	BUY	132.13	Ordinary	1,979	1,979
24-Sep-2019	The Vanguard Group, Inc.	BUY	132.13	Ordinary	4,924	4,924
25-Sep-2019	The Vanguard Group, Inc.	BUY	132.74	Ordinary	540	540
25-Sep-2019	The Vanguard Group, Inc.	BUY	130.05	Ordinary	300	300

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
25-Sep-2019	The Vanguard Group, Inc.	BUY	131.93	Ordinary	4,819	4,819
26-Sep-2019	The Vanguard Group, Inc.	BUY	132.36	Ordinary	2,049	2,049
27-Sep-2019	The Vanguard Group, Inc.	SELL	132.09	Ordinary	(105)	(105)
27-Sep-2019	The Vanguard Group, Inc.	BUY	132.09	Ordinary	215	215
30-Sep-2019	The Vanguard Group, Inc.	BUY	131.33	Ordinary	384	384
30-Sep-2019	The Vanguard Group, Inc.	SELL	131.08	Ordinary	(314)	(314)
30-Sep-2019	The Vanguard Group, Inc.	SELL	132.18	Ordinary	(2,349)	(2,349)
11-Apr-2019	Vanguard Investments Australia Ltd.	BUY	130.54	Ordinary	4,491	4,491
12-Apr-2019	Vanguard Investments Australia Ltd.	SELL	132.00	Ordinary	(812)	(812)
16-Apr-2019	Vanguard Investments Australia Ltd.	BUY	133.29	Ordinary	16,758	16,758
23-Apr-2019	Vanguard Investments Australia Ltd.	SELL	134.50	Ordinary	(1,547)	(1,547)
26-Apr-2019	Vanguard Investments Australia Ltd.	SELL	136.05	Ordinary	(1,376)	(1,376)
30-Apr-2019	Vanguard Investments Australia Ltd.	SELL	134.70	Ordinary	(4,683)	(4,683)
30-Apr-2019	Vanguard Investments Australia Ltd.	BUY	134.70	Ordinary	3,516	3,516
1-May-2019	Vanguard Investments Australia Ltd.	BUY	135.45	Ordinary	1,136	1,136
1-May-2019	Vanguard Investments Australia Ltd.	BUY	135.47	Ordinary	4,437	4,437
1-May-2019	Vanguard Investments Australia Ltd.	BUY	135.45	Ordinary	1,592	1,592
1-May-2019	Vanguard Investments Australia Ltd.	BUY	135.47	Ordinary	6,295	6,295
1-May-2019	Vanguard Investments Australia Ltd.	BUY	135.45	Ordinary	3,383	3,383
1-May-2019	Vanguard Investments Australia Ltd.	BUY	135.47	Ordinary	13,411	13,411
3-May-2019	Vanguard Investments Australia Ltd.	SELL	128.62	Ordinary	(1,947)	(1,947)
6-May-2019	Vanguard Investments Australia Ltd.	BUY	125.52	Ordinary	5,631	5,631
7-May-2019	Vanguard Investments Australia Ltd.	SELL	124.89	Ordinary	(873)	(873)
10-May-2019	Vanguard Investments Australia Ltd.	BUY	124.81	Ordinary	544	544
10-May-2019	Vanguard Investments Australia Ltd.	BUY	124.81	Ordinary	1,094	1,094
10-May-2019	Vanguard Investments Australia Ltd.	BUY	124.81	Ordinary	671	671
10-May-2019	Vanguard Investments Australia Ltd.	BUY	124.63	Ordinary	2,646	2,646
14-May-2019	Vanguard Investments Australia Ltd.	SELL	117.50	Ordinary	(1,067)	(1,067)
15-May-2019	Vanguard Investments Australia Ltd.	SELL	119.32	Ordinary	(1,046)	(1,046)
16-May-2019	Vanguard Investments Australia Ltd.	BUY	118.81	Ordinary	6,995	6,995
17-May-2019	Vanguard Investments Australia Ltd.	BUY	119.91	Ordinary	202	202
17-May-2019	Vanguard Investments Australia Ltd.	BUY	119.91	Ordinary	4,905	4,905
17-May-2019	Vanguard Investments Australia Ltd.	BUY	119.93	Ordinary	2,950	2,950
21-May-2019	Vanguard Investments Australia Ltd.	BUY	123.14	Ordinary	2,940	2,940
22-May-2019	Vanguard Investments Australia Ltd.	BUY	122.32	Ordinary	3,238	3,238
23-May-2019	Vanguard Investments Australia Ltd.	SELL	121.71	Ordinary	(247)	(247)
27-May-2019	Vanguard Investments Australia Ltd.	SELL	120.80	Ordinary	(7,516)	(7,516)
28-May-2019	Vanguard Investments Australia Ltd.	SELL	122.58	Ordinary	(1,100)	(1,100)
28-May-2019	Vanguard Investments Australia Ltd.	BUY	122.57	Ordinary	2,920	2,920
29-May-2019	Vanguard Investments Australia Ltd.	SELL	121.02	Ordinary	(4,791)	(4,791)
29-May-2019	Vanguard Investments Australia Ltd.	SELL	120.68	Ordinary	(1,410)	(1,410)
30-May-2019	Vanguard Investments Australia Ltd.	BUY	120.43	Ordinary	18,258	18,258
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	116.00	Ordinary	(5,542)	(5,542)
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	116.00	Ordinary	(3,093)	(3,093)
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	116.00	Ordinary	282	282
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	114.35	Ordinary	19,097	19,097
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	114.35	Ordinary	2,920	2,920
5-Jun-2019	Vanguard Investments Australia Ltd.	BUY	116.86	Ordinary	682	682
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	117.25	Ordinary	758	758
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	117.25	Ordinary	682	682
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	117.25	Ordinary	3,492	3,492
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	119.21	Ordinary	1,212	1,212
7-Jun-2019	Vanguard Investments Australia Ltd.	SELL	119.21	Ordinary	(334)	(334)
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	119.21	Ordinary	359	359
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	117.81	Ordinary	15,067	15,067
11-Jun-2019	Vanguard Investments Australia Ltd.	SELL	121.15	Ordinary	(1,179)	(1,179)
11-Jun-2019	Vanguard Investments Australia Ltd.	BUY	121.15	Ordinary	1,023	1,023
12-Jun-2019	Vanguard Investments Australia Ltd.	BUY	121.07	Ordinary	9,326	9,326
13-Jun-2019	Vanguard Investments Australia Ltd.	BUY	122.16	Ordinary	682	682
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	123.38	Ordinary	2,328	2,328
20-Jun-2019	Vanguard Investments Australia Ltd.	SELL	127.15	Ordinary	(1,375)	(1,375)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	126.00	Ordinary	1,630	1,630
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	126.00	Ordinary	483	483
21-Jun-2019	Vanguard Investments Australia Ltd.	SELL	126.00	Ordinary	(584)	(584)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	126.00	Ordinary	5,424	5,424
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	126.00	Ordinary	1,020	1,020
21-Jun-2019	Vanguard Investments Australia Ltd.	SELL	126.00	Ordinary	(14,140)	(14,140)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	126.00	Ordinary	1,746	1,746
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	126.00	Ordinary	13,500	13,500
25-Jun-2019	Vanguard Investments Australia Ltd.	SELL	126.31	Ordinary	(4,080)	(4,080)
26-Jun-2019	Vanguard Investments Australia Ltd.	BUY	126.18	Ordinary	999	999

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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-Jun-2019	Vanguard Investments Australia Ltd.	SELL	125.70	Ordinary	(2,581)	(2,581)
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	125.70	Ordinary	1,332	1,332
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	125.70	Ordinary	2,044	2,044
28-Jun-2019	Vanguard Investments Australia Ltd.	SELL	125.39	Ordinary	(3,379)	(3,379)
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	127.12	Ordinary	987	987
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	127.12	Ordinary	3,480	3,480
5-Jul-2019	Vanguard Investments Australia Ltd.	BUY	129.79	Ordinary	4,635	4,635
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	128.52	Ordinary	1,974	1,974
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	128.52	Ordinary	1,740	1,740
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	127.74	Ordinary	1,728	1,728
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	127.74	Ordinary	3,405	3,405
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	126.96	Ordinary	702	702
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	127.02	Ordinary	1,734	1,734
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	127.07	Ordinary	1,080	1,080
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	127.07	Ordinary	6,001	6,001
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	126.91	Ordinary	987	987
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	126.62	Ordinary	4,161	4,161
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	126.62	Ordinary	784	784
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	126.62	Ordinary	3,201	3,201
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	126.50	Ordinary	3,468	3,468
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	126.50	Ordinary	2,657	2,657
17-Jul-2019	Vanguard Investments Australia Ltd.	SELL	128.21	Ordinary	(2,814)	(2,814)
18-Jul-2019	Vanguard Investments Australia Ltd.	SELL	126.70	Ordinary	(1,305)	(1,305)
19-Jul-2019	Vanguard Investments Australia Ltd.	SELL	127.29	Ordinary	(1,562)	(1,562)
19-Jul-2019	Vanguard Investments Australia Ltd.	BUY	127.29	Ordinary	3,709	3,709
22-Jul-2019	Vanguard Investments Australia Ltd.	SELL	127.42	Ordinary	(194,885)	(194,885)
22-Jul-2019	Vanguard Investments Australia Ltd.	BUY	127.42	Ordinary	987	987
23-Jul-2019	Vanguard Investments Australia Ltd.	SELL	128.88	Ordinary	(1,439)	(1,439)
24-Jul-2019	Vanguard Investments Australia Ltd.	BUY	129.31	Ordinary	1,836	1,836
26-Jul-2019	Vanguard Investments Australia Ltd.	SELL	128.79	Ordinary	(1,290)	(1,290)
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	129.02	Ordinary	3,168	3,168
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	128.79	Ordinary	6,544	6,544
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	128.79	Ordinary	987	987
1-Aug-2019	Vanguard Investments Australia Ltd.	SELL	127.93	Ordinary	(1,978)	(1,978)
2-Aug-2019	Vanguard Investments Australia Ltd.	SELL	126.01	Ordinary	(2,860)	(2,860)
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	119.57	Ordinary	1,316	1,316
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	119.57	Ordinary	2,601	2,601
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	119.57	Ordinary	2,601	2,601
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	119.57	Ordinary	3,661	3,661
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	120.69	Ordinary	2,303	2,303
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	120.69	Ordinary	3,952	3,952
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	122.38	Ordinary	3,179	3,179
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	122.38	Ordinary	4,625	4,625
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	122.78	Ordinary	3,365	3,365
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	122.37	Ordinary	3,190	3,190
13-Aug-2019	Vanguard Investments Australia Ltd.	SELL	120.80	Ordinary	(1,400)	(1,400)
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	121.98	Ordinary	770	770
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	121.98	Ordinary	1,320	1,320
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	121.98	Ordinary	2,702	2,702
15-Aug-2019	Vanguard Investments Australia Ltd.	BUY	118.00	Ordinary	1,320	1,320
16-Aug-2019	Vanguard Investments Australia Ltd.	BUY	118.54	Ordinary	7,696	7,696
19-Aug-2019	Vanguard Investments Australia Ltd.	BUY	122.22	Ordinary	6,112	6,112
20-Aug-2019	Vanguard Investments Australia Ltd.	BUY	123.38	Ordinary	2,407	2,407
20-Aug-2019	Vanguard Investments Australia Ltd.	SELL	123.38	Ordinary	(1,061)	(1,061)
20-Aug-2019	Vanguard Investments Australia Ltd.	BUY	123.38	Ordinary	3,671	3,671
21-Aug-2019	Vanguard Investments Australia Ltd.	BUY	123.93	Ordinary	993	993
22-Aug-2019	Vanguard Investments Australia Ltd.	BUY	124.51	Ordinary	4,417	4,417
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	123.51	Ordinary	396	396
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	123.51	Ordinary	1,012	1,012
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	123.51	Ordinary	125,068	125,068
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	123.51	Ordinary	3,898	3,898
29-Aug-2019	Vanguard Investments Australia Ltd.	BUY	122.00	Ordinary	5,096	5,096
29-Aug-2019	Vanguard Investments Australia Ltd.	BUY	122.53	Ordinary	996	996
30-Aug-2019	Vanguard Investments Australia Ltd.	BUY	123.84	Ordinary	7,227	7,227
30-Aug-2019	Vanguard Investments Australia Ltd.	BUY	123.84	Ordinary	1,770	1,770
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	123.50	Ordinary	6,424	6,424
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	123.44	Ordinary	31,347	31,347
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	122.94	Ordinary	4,716	4,716
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	122.94	Ordinary	1,332	1,332
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	125.26	Ordinary	113	113
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	125.26	Ordinary	1,336	1,336

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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
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	125.26	Ordinary	4,047	4,047
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	125.26	Ordinary	6,249	6,249
6-Sep-2019	Vanguard Investments Australia Ltd.	SELL	127.08	Ordinary	(680)	(680)
9-Sep-2019	Vanguard Investments Australia Ltd.	BUY	127.72	Ordinary	1,336	1,336
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	127.52	Ordinary	2,138	2,138
12-Sep-2019	Vanguard Investments Australia Ltd.	BUY	128.50	Ordinary	2,285	2,285
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	129.29	Ordinary	1,264	1,264
13-Sep-2019	Vanguard Investments Australia Ltd.	SELL	129.29	Ordinary	(1,437)	(1,437)
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	128.81	Ordinary	1,170	1,170
17-Sep-2019	Vanguard Investments Australia Ltd.	SELL	128.81	Ordinary	(936)	(936)
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	128.81	Ordinary	5,586	5,586
18-Sep-2019	Vanguard Investments Australia Ltd.	SELL	128.74	Ordinary	(1,591)	(1,591)
19-Sep-2019	Vanguard Investments Australia Ltd.	BUY	131.77	Ordinary	1,002	1,002
20-Sep-2019	Vanguard Investments Australia Ltd.	SELL	131.11	Ordinary	(3,338)	(3,338)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	131.05	Ordinary	2,940	2,940
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	131.37	Ordinary	4,395	4,395
24-Sep-2019	Vanguard Investments Australia Ltd.	BUY	132.13	Ordinary	729	729
25-Sep-2019	Vanguard Investments Australia Ltd.	SELL	131.93	Ordinary	(1,361)	(1,361)
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	131.93	Ordinary	4,102	4,102
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	132.09	Ordinary	2,331	2,331
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	132.09	Ordinary	1,332	1,332
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	132.09	Ordinary	3,516	3,516
30-Sep-2019	Vanguard Investments Australia Ltd.	SELL	131.08	Ordinary	(267)	(267)
30-Sep-2019	Vanguard Investments Australia Ltd.	SELL	131.08	Ordinary	(5,747)	(5,747)

This is Annexure A of 7 pages referred to in Form 605, Notice of ceasing to be a substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 02 October 2019