## Form 603

Corporations Act 2001 Section 671B

## Notice of initial substantial holder

To Company Name/Scheme	Macquarie Group Limited
ACN/ARSN	122 169 279
Details of substantial holder (1)	
Name	Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those
ACN/ARSN (if applicable)	listed in Annexure A) N/A
The holder became a substantial holder on	14 October 2019

#### 2. Details of 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 on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Ordinary	17,726,376	17,726,376	5.002%

#### 3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
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 17,726,376

# 4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant	Registered holder of	Person entitled to be	Class and
interest	securities	registered as holder (8)	number of securities
Vanguard Group	Brown Brothers Harriman	Various funds and accounts of Vanguard Group	Ordinary – 834,444
Vanguard Group	BNY Mellon	Various funds and accounts of Vanguard Group	Ordinary - 890,992
Vanguard Group	Citibank	Various funds and accounts of Vanguard Group	Ordinary – 5,362
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and accounts of Vanguard Group	Ordinary 8,648,178
Vanguard Group	State Street Bank and Trust Company	Various funds and accounts of Vanguard Group	Ordinary – 2,197,559
Vanguard Group	Various others	Various funds and accounts of Vanguard Group	Ordinary 5,149,841

## 5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)	Class and number of securities				
See Annexure A							

## 6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

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

## 7. 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

print name	Shawn Acker	capacity	Compliance Manage
		-	
	- HAWN ACOUR		
sign here	- HANN ACCOUNT	date	16 October 2019

#### DIRECTIONS

- (1) If there are a number of substantial holders with similar or related 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 7 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 total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an Associate has a relevant interest in.
- (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (7) Include details of:
  - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. 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.

- (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) Details of the consideration must include any and all benefits, moneys and other, that any person from whom a relevant interest has 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 of its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

To Company ACN/ARSN

Macquarie Group Limited 122 169 279

**Substantial Holder Name** 

Vanguard Group N/A

ACN/ARSN

	T	T		1	1	T
		Nature of	Consideration			
Date of change	Person whose relevant interest changed		given in relation	 	Number of securities	
	The Vanguard Group, Inc.	SELL.	to change(7)	Class	affected	affected
	The Vanguard Group, Inc.	SELL	122.02		(8,913)	
14-lun-2019	The Vanguard Group, Inc.	BUY	122.21 122.21	Ordinary Ordinary	(846)	1/
14-lun-2019	The Vanguard Group, Inc.	BUY	122.21	Ordinary	174	174
	The Vanguard Group, Inc.	BUY	123.38	· · · · · · · ·	174	174
	The Vanguard Group, Inc.	SELL	123.38	<del></del>	153	153
· · · · · · · · · · · · · · · · · · ·	The Vanguard Group, Inc.	SELL	123.60	7	(2,663)	(2,663)
	The Vanguard Group, Inc.	BUY	123.64	1	(2,081)	(2,081)
	The Vanguard Group, Inc.	BUY	123.80		7,239	7,239
	The Vanguard Group, Inc.	BUY	125.00	Ordinary	286	286
	The Vanguard Group, Inc.	SELL	125.00	Ordinary	3,805 (3,523)	3,805
	The Vanguard Group, Inc.	BUY	125.00	Ordinary	(3,523)	(3,523)
20-lun-2019	The Vanguard Group, Inc.	BUY	127.67	Ordinary	<del></del>	368 540
	The Vanguard Group, Inc.	SELL	126.00		540	
21-lun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(3,196)	(3,196)
	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(3,844)	(3,844)
	The Vanguard Group, Inc.	BUY	126.05	Ordinary	(13,688)	(13,688)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	<del></del>	270	270
	The Vanguard Group, Inc.	SELL		<u> </u>	(16,467)	(16,467)
	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(124)	(124)
21-Jun-2019	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(150)	(150)
21-lun-2019	The Vanguard Group, Inc.	SELL	126.00 126.00	Ordinary	(404)	(404)
	The Vanguard Group, Inc.	SELL		Ordinary	(487)	(487)
	The Vanguard Group, Inc.	SELL	126.00 126.00	Ordinary	(82)	(82)
	The Vanguard Group, Inc.	BUY		Ordinary	(68)	(68)
	The Vanguard Group, Inc.	SELL	126.00	Ordinary Ordinary	276	276
	The Vanguard Group, Inc.	SELL	126.00 126.00		(7)	(7)
	The Vanguard Group, Inc.	BUY	126.41	Ordinary Ordinary	(5)	(5)
25-fun-2019	The Vanguard Group, Inc.	BUY	126.41	<del> </del>	1,680	1,680
	The Vanguard Group, Inc.	SELL	125.59	Ordinary	6,802	6,802
	The Vanguard Group, Inc.	BUY	125.59	Ordinary	(846)	(846)
	The Vanguard Group, Inc.	BUY	125.59	Ordinary Ordinary	486	486
	The Vanguard Group, Inc.	BUY	126.31	Ordinary	324 663	324
	The Vanguard Group, Inc.	виу	125.91	Ordinary		663
	The Vanguard Group, Inc.	BUY	125.91	Ordinary	648 378	648
	The Vanguard Group, Inc.	BUY	126.17	Ordinary	2,559	378
	The Vanguard Group, Inc.	BUY	126.18	Ordinary	2,539	2,559
		BUY	126.18	Ordinary	872	613
	The Vanguard Group, Inc.	BUY	125.29	Ordinary	12,176	872
	The Vanguard Group, Inc.	BUY	125.29	Ordinary	545	12,176
	The Vanguard Group, Inc.	SELL	125.70	Ordinary	(295)	545 (295)
	The Vanguard Group, Inc.	BUY	125.39	Ordinary	16,313	
28-Jun-2019		BUY	125.64	Ordinary	870	16,313 870
		SELL		Ordinary	(26)	(26)
		BUY	127.19	Ordinary	174	174
		BUY	126.03	Ordinary	747	747
		BUY	127.17	Ordinary	486	486
		BUY	127.12	Ordinary	6,016	6,016
		SELL	127.12	Ordinary	(22)	
		BUY	126.37	Ordinary	2,812	(22)
		BUY	128.89	Ordinary	2,892	2,812
		BUY	130.08	Ordinary	1,284	2,892 1,284
		BUY	130.00	Ordinary	312	
		BUY	128.28	Ordinary	540	312 540
		BUY	127.74	Ordinary	153	
		BUY	128.34	Ordinary		153
		BUY	128.01	Ordinary	5,900	5,900
		BUY	129.00		912	912
		SELL		Ordinary	498	498
		BUY	127.51 126.74	Ordinary	(2,200)	(2,200)
		SELL		Ordinary	418	418
		BUY	127.51	Ordinary	(4,922)	(4,922)
13-361-2013	rine variguara Group, IIIC.	1001	126.80	Ordinary	1,926	1,926

		1	Consideration	Т	1	1
		Nature of	given in relation		Number of securities	Barra alla conta
Date of change	Person whose relevant interest changed	1	to change(7)	Class	Number of securities affected	affected
	The Vanguard Group, Inc.	BUY	126.50		6,587	
	The Vanguard Group, Inc.	BUY	127.71		270	6,587
	The Vanguard Group, Inc.	BUY	127.71	<del></del>	540	540
	The Vanguard Group, Inc.	BUY	127.71		378	378
	The Vanguard Group, Inc.	SELL	128.21	<del></del>	(236)	
	The Vanguard Group, Inc.	виу	126.70		295	295
	The Vanguard Group, Inc.	BUY	126.76		384	384
22-Jul-2019	The Vanguard Group, Inc.	ВИУ	127.47	<del></del>	540	540
	The Vanguard Group, Inc.	BUY	127.47	<u> </u>	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.	виу	127.47		384	384
	The Vanguard Group, Inc.	SELL	127.42		(5,696)	(5,696
23-Jul-2019	The Vanguard Group, Inc.	BUY	129.40	<del></del>	540	540
	The Vanguard Group, Inc.	BUY	128.88	· · · · · · · · · · · · · · · · · · ·	132	132
23-Jul-2019	The Vanguard Group, Inc.	BUY	128.88		956	956
	The Vanguard Group, Inc.	BUY	129.08	···	9,629	9,629
25-Jul-2019	The Vanguard Group, Inc.	BUY	130.12	<del></del>	630	630
26-Jul-2019	The Vanguard Group, Inc.	BUY	128.89		8,980	8,980
	The Vanguard Group, Inc.	BUY	129.15	· · · · · · · · · · · · · · · · · · ·	486	486
	The Vanguard Group, Inc.	BUY	129.15		1,050	1,050
26-Jul-2019	The Vanguard Group, Inc.	BUY	129.15	<del></del>	384	384
	The Vanguard Group, Inc.	SELL	128.68		(1,244)	(1,244)
	The Vanguard Group, Inc.	BUY	128.68		78	78
	The Vanguard Group, Inc.	SELL	129.71	Ordinary	(7,035)	(7,035)
	The Vanguard Group, Inc.	SELL	128.89	Ordinary	(1,128)	(1,128)
	The Vanguard Group, Inc.	SELL	129.50	Ordinary	(120)	(120)
		BUY	128.89	Ordinary	170	170
	The Vanguard Group, Inc.	BUY	128.98	Ordinary	595	595
	The Vanguard Group, Inc.	BUY	129.02	Ordinary	4,180	4,180
	· · · · · · · · · · · · · · · · · · ·	BUY	129.02	Ordinary	761	761
		BUY	127.98	Ordinary	486	486
1-Aug-2019		BUY	128.32	Ordinary	15,525	15,525
		BUY	127.40	Ordinary	2,889	2,889
		SELL	127.93	Ordinary	(12,133)	(12,133)
		SELL	128.02	Ordinary	(264)	(264)
		BUY	126.79	Ordinary	8,789	8,789
2-Aug-2019		BUY	125.65	Ordinary	840	840
5-Aug-2019		BUY	125.50	Ordinary	1,165	1,165
		BUY	121.66	Ordinary	540	540
		SELL	121.66	Ordinary	(274)	(274)
		SELL	121.66	Ordinary	(685)	(685)
		BUY	121.66	Ordinary	1,050	1,050
5-Aug-2019		BUY	123.33	Ordinary	264	264
6-Aug-2019	The Vanguard Group, Inc.	BUY	119.44	Ordinary	8,824	8,824
		SELL.		Ordinary	(1,096)	(1,096)
		SELL	120.61	Ordinary	(2,329)	(2,329)
		BUY	120.61	Ordinary	192	192
		BUY	120.61	Ordinary	170	170
		BUY	119.63	Ordinary	3,564	3,564
		BUY	120.35	Ordinary	11,201	11,201
		BUY	120.35	Ordinary	3,433	3,433
		SELL	120.59	Ordinary	(107)	(107)
		SELL	123.43	Ordinary	(1,410)	(1,410)
		BUY	122.38	Ordinary	467	467
		BUY	120.47	Ordinary	3,070	3,070
		BUY		Ordinary	7,230	7,230
		BUY	<del></del>	Ordinary	920	920
		BUY		Ordinary	576	576
		BUY		Ordinary	864	864
		BUY	122.37	Ordinary	132	132
		SELL		Ordinary	(1,974)	(1,974)
		BUY		Ordinary	384	384
		BUY		Ordinary	234	234
		BUY		Ordinary	153	153
		SELL		Ordinary	(631)	(631)
		SELL	1	Ordinary	(1,692)	(1,692)
13-AUG-2019		BUY		Ordinary	13,786	13,786
1E A 2010 T						
		BUY BUY		Ordinary Ordinary	281 7,889	281 7,889

		Consideration		T	1		
		Nature of	given in relation		Number of securities	Person's votes	
Date of change	Person whose relevant interest changed	Change(6)	to change(7)	Class	affected	affected	
16-Aug-2019	The Vanguard Group, Inc.	виу	118.54		301	301	
19-Aug-2019	The Vanguard Group, Inc.	BUY	122.73	<del>1 · · · · · · · · · · · · · · · · · · ·</del>	170	170	
19-Aug-2019	The Vanguard Group, Inc.	BUY	122.22		3,456	3,456	
	The Vanguard Group, Inc.	SELL	122.22	4	(213)		
	The Vanguard Group, Inc.	виу	122.22	Ordinary	2,280	2,280	
	The Vanguard Group, Inc.	SELL	122.72		(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.	виу	128.83	Ordinary	540	540	
	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.	SELL	129.43	Ordinary	(2,201)	(2,201)	
16-Sep-2019	The Vanguard Group, Inc.	BUY	129.62	Ordinary	858	858	
16-Sep-2019	The Vanguard Group, Inc.	8UY	129.62	Ordinary	170	170	
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)	
	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)	
	The Vanguard Group, Inc.	BUY	131.17	Ordinary	540	540	
24-Sep-2019	The Vanguard Group, Inc.	BUY	132.13	Ordinary	1,979	1,979	
		BUY	132.13	Ordinary	4,924	4,924	
	The Vanguard Group, Inc.	SELL	132.13	Ordinary	(251)	(251)	
24-Sep-2019	The Vanguard Group, Inc.	BUY	132.13	Ordinary	400	400	
		BUY	132.74	Ordinary	540	540	
		BUY	131.93	Ordinary	4,819	4,819	
		BUY	130.05	Ordinary	300	300	
26-Sep-2019		8UY	132.36	Ordinary	2,049	2,049	
27-Sep-2019		SELL	132.09	Ordinary	(105)	(105)	
		BUY	132.09	Ordinary	215	215	
- PARTAMINATA		BUY	131.33	Ordinary	384	384	
		SELL	132.18	Ordinary	(2,349)	(2,349)	
		SELL	131.08	Ordinary	(314)	(314)	
		BUY	131.99	Ordinary	242	242	
		BUY	131.99	Ordinary	599	599	
		BUY	128.23	Ordinary	192	192	
		BUY	128.23	Ordinary	170	170	
		BUY	127.77	Ordinary	170	170	
		BUY	126.44	Ordinary	111	111	
		BUY		Ordinary	170	170	
		BUY	126.99	Ordinary	108	108	
		BUY		Ordinary	540	540	
		BUY	127.41	Ordinary	1,620	1,620	
		SELL	127.41	Ordinary	(1,008)	(1,008)	
		BUY		Ordinary	2,328	2,328	
		SELL		Ordinary	(1,375)	(1,375)	
21-Jun-2019		BUY	· · · · · · · · · · · · · · · · · · ·	Ordinary	1,630	1,630	
		BUY	126.00	Ordinary	483	483	
		SELL		Ordinary	(584)	(584)	
		BUY		Ordinary	5,424	5,424	
21-Jun-2019 \		BUY		Ordinary	1,020	1,020	
				A	44444		
21-Jun-2019 \		SELL	····	Ordinary	(14,140)	(14,140)	
21-Jun-2019 \ 21-Jun-2019 \	Vanguard Investments Australia Ltd.	BUY SELL	126.00	Ordinary Ordinary Ordinary	1,746	(14,140) 1,746	

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities	Person's votes
25-Jun-2019	Vanguard Investments Australia Ltd.	SELL	126.31	Ordinary	(4,080)	(4,080)
	Vanguard Investments Australia Ltd.	BUY	126.18	Ordinary	999	999
	Vanguard Investments Australia Ltd.	SELL	125.70		(2,581)	(2,581)
	Vanguard Investments Australia Ltd.	BUY	125.70	Ordinary	1,332	1,332
	Vanguard Investments Australia Ltd.	BUY	125.70	Ordinary	2,044	2,044
	Vanguard Investments Australia Ltd.	SELL	125.39	Ordinary	(3,379)	(3,379)
	Vanguard Investments Australia Ltd.	BUY	127.12	Ordinary	987	987
	Vanguard Investments Australia Ltd.	BUY	127.12	Ordinary	3,480	3,480
	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
	Vanguard Investments Australia Ltd.	BUY	128.52	Ordinary	1,740	1,740
	Vanguard investments Australia Ltd.	BUY	127.74	Ordinary	1,728	1,728
	Vanguard Investments Australia Ltd.	BUY	127.74	Ordinary	3,405	3,405
	Vanguard Investments Australia Ltd.	BUY	126.96	Ordinary	702	702
	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	BUY	127.02	Ordinary	1,734	1,734
	Vanguard Investments Australia Ltd.  Vanguard Investments Australia Ltd.	BUY	127.07	Ordinary	1,080	1,080
	Vanguard Investments Australia Ltd.  Vanguard Investments Australia Ltd.	BUY	127.07	Ordinary	6,001	6,001
	Vanguard Investments Australia Ltd.	BUY	126.91	Ordinary	987	987
		BUY	126.62	Ordinary	4,161	4,161
	Vanguard Investments Australia Ltd.	BUY	126.62 126.62	Ordinary	784	784
	Vanguard Investments Australia Ltd.	BUY		Ordinary	3,201	3,201
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	126.50	Ordinary	3,468	3,468
	Vanguard Investments Australia Ltd.	SELL	126.50	Ordinary	2,657	2,657
	Vanguard Investments Australia Ltd.	SELL	128.21	Ordinary	(2,814)	(2,814)
	Vanguard Investments Australia Ltd.	SELL	126.70 127.29	Ordinary	(1,305)	(1,305)
		BUY	127.29	Ordinary Ordinary	(1,562)	(1,562)
22-Jul-2019		SELL	127.42	Ordinary	3,709	3,709
	Vanguard Investments Australia Ltd.	BUY	127.42	Ordinary	(194,885) 987	(194,885)
	Vanguard Investments Australia Ltd.	SELL	128.88	Ordinary	(1,439)	987
		BUY	129.31	Ordinary	1,836	(1,439)
		SELL	128.79	Ordinary	(1,290)	1,836 (1,290)
		BUY	129.02	Ordinary	3,168	3,168
		BUY	128.79	Ordinary	6,544	6,544
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	128.79	Ordinary	987	987
	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		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
		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		BUY	122.38	Ordinary	4,625	4,625
		BUY	122.78	Ordinary	3,365	3,365
		BUY	122.37	Ordinary	3,190	3,190
		SELL	120.80	Ordinary	(1,400)	(1,400)
		BUY	121.98		770	770
		BUY	121.98	Ordinary	1,320	1,320
		BUY	121.98	Ordinary	2,702	2,702
		BUY	118.00	Ordinary	1,320	1,320
		BUY	118.54	Ordinary	7,696	7,696
		BUY	122.22	Ordinary	6,112	6,112
		BUY	123.38	Ordinary	2,407	2,407
		SELL	123.38	Ordinary	(1,061)	(1,061)
20-Aug-2019		BUY	123.38	Ordinary	3,671	3,671
21-Aug-2019		BUY BUY	123.93	Ordinary	993	993
		BUY	124.51	Ordinary	4,417	4,417
		BUY	123.51	Ordinary	396	396
		BUY	123.51	Ordinary	1,012	1,012
		BUY	123.51	Ordinary	125,068	125,068
		BUY	123.51 122.00	Ordinary	3,898	3,898
		BUY		Ordinary	5,096	5,096
30-Aug-2019		BUY	122.53 123.84	Ordinary Ordinary	996	996
		BUY	123.84	Ordinary	7,227 1,770	7,227 1,770
	The state of the s	BUY	123.50	Ordinary	6,424	6,424
		BUY		Ordinary	31,347	31,347
			1 123.74	Section y	31,34/	31,347

## 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	Person's votes
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	122.94		4,716	4,716
	Vanguard Investments Australia Ltd.	виу	122.94	<del> </del>	1,332	1,332
	Vanguard Investments Australia Ltd.	виу	125.26	Ordinary	113	113
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	125.26	Ordinary	1.336	1,336
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	125.26	Ordinary	4,047	4,047
	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.	виу	127.72	Ordinary	1,336	1,336
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	127.52	Ordinary	2,138	2,138
	Vanguard Investments Australia Ltd.	BUY	128.50	Ordinary	2,285	2,285
	Vanguard Investments Australia Ltd.	BUY	129.29	Ordinary	1,264	1,264
	Vanguard Investments Australia Ltd.	SELL	129.29	Ordinary	(1,437)	(1,437)
	Vanguard Investments Australia Ltd.	BUY	128.81	Ordinary	1,170	1,170
	Vanguard Investments Australia Ltd.	SELL	128.81	Ordinary	(936)	(936)
	Vanguard Investments Australia Ltd.	BUY	128.81	Ordinary	5,586	5,586
	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)
	Vanguard Investments Australia Ltd.	BUY	131.05	Ordinary	2,940	2,940
	Vanguard Investments Australia Ltd.	BUY	131.37	Ordinary	4,395	4,395
	Vanguard Investments Australia Ltd.	BUY	132.13	Ordinary	729	729
		SELL	131.93	Ordinary	(1,361)	(1,361)
	Vanguard Investments Australia Ltd.	BUY	131.93	Ordinary	4,102	4,102
		BUY	132.09	Ordinary	2,331	2,331
	Vanguard Investments Australia Ltd.	BUY	132.09	Ordinary	1,332	1,332
		BUY	132.09	Ordinary	3,516	3,516
		SELL	131.08	Ordinary	(267)	(267)
		SELL	131.08	Ordinary	(5,747)	(5,747)
		BUY	130.13	Ordinary	8,780	8,780
	<del></del>	виу	130.13	Ordinary	1,213	1,213
		BUY	130.13	Ordinary	1,791	1,791
		BUY	129.85	Ordinary	5,510	5,510
		SELL	129.85	Ordinary	(6,960)	(6,960)
		BUY	126.19	Ordinary	5,530	5,530
		BUY	126.27	Ordinary	1,968	1,968
		BUY	126.44	Ordinary	1,461	1,461
		BUY	126.44	Ordinary	4,785	4,785
		BUY	126.44	Ordinary	4,930	4,930
		BUY	125.90	Ordinary	902	902
3-UCE-2019		BUY	125.41	Ordinary	1,640	1,640
	<del></del>	BUY	129.39	Ordinary	1,528	1,528
		BUY	129.39	Ordinary	2,312	2,312
14 0-4 2010		BUY	131.24	Ordinary	42,608	42,608
14-000-2019	Vanguard Investments Australia Ltd.	SELL	131.24	Ordinary	(837)	(837)

This is Annexure A of 5 pages referred to in Form 603, Notice of initial substantial holder.  Signature:	
Name: Shawn Acker	

Date: 16 October 2019

Capacity: Compliance Manager