### Form 604

Corporations Act 2001 Section 671B

# Notice of change of interests of substantial holder

To Company Name/Scheme ACN/ARSN	AGL Energy Limited 115 061 375
Details of substantial holder (1)	
Name	Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those
ACN/ARSN (if applicable)	Iisted in Annexure A) N/A

There was a change in the interests of the

substantial holder on

22 November 2019

The previous notice was given to the company on

14 June 2018

The previous notice was dated

14 June 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	Previous notice		
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary	32,944,083	5.023%	38,926,303	6.035%

### 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
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# 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 1,730,886	1,730,886
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 2,682,435	2,682,435
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 - 19,366,196	19,366,196
Vanguard Group	Citibank	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 - 10,933	10,933
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 4,689,493	4,689,493
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 – 10,446,360	10,466,360

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## 5. Changes in association

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

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

### 6. Addresses

The addresses of persons named in this form are as follows:

Name	Address
Vanguard Group	P.O. Box 2600, V26 Valley Forge, PA 19482 USA

Signature

rint name Keith Delgado capacity Compliance Manager

sign here date 26 November 2019

### **DIRECTIONS**

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 6 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (6) Include details of:
  - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
  - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.

- (7) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

To Company ACN/ARSN

AGL Energy Limited 115 061 375

Substantial Holder Name

Vanguard Group

ACN/ARSN

N/A

		Nature of	Consideration given in relation		Number of	Person's votes
	Person whose relevant interest changed	Change(6)	to change(7)	Class	securities affected	affected
	The Vanguard Group, Inc.	BUY	21.46	Ordinary	844	844
	The Vanguard Group, Inc.	SELL	21.64	Ordinary	(73,963)	(73,963)
	The Vanguard Group, Inc.	SELL	21.64	Ordinary	(16,847)	(16,847)
	The Vanguard Group, Inc.	SELL	21.64	Ordinary	(5,984)	(5,984)
	The Vanguard Group, Inc.	BUY	21.80	Ordinary	38,060	38,060
	The Vanguard Group, Inc.	BUY	21.82	Ordinary	31,080	31,080
	The Vanguard Group, Inc.	BUY	21.82	Ordinary	6,215	6,215
	The Vanguard Group, Inc.	BUY	22.07	Ordinary	40,568	40,568
	The Vanguard Group, Inc.	SELL	22.09	<del></del>	(486)	(486)
	The Vanguard Group, Inc.	BUY	22.48	····	23,878	23,878
	The Vanguard Group, Inc.	BUY	22.48	<del></del>	28,618	28,618
	The Vanguard Group, Inc.	BUY	22.63	<del></del>	825	825
	The Vanguard Group, Inc.	SELL	22.82	<del></del>	(13,033)	(13,033)
	The Vanguard Group, Inc.	ВИУ	22.72	Ordinary	4,659	4,659
	The Vanguard Group, Inc.	BUY	22.76	<del></del>	37,211	37,211
	The Vanguard Group, Inc.	BUY	23.03	<del>'</del> -	367	367
	The Vanguard Group, Inc.	BUY	23.03	<del></del>	59,291	59,291
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	23.15	<del></del>	3,798	3,798
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY BUY	23.16		261	261
	The Vanguard Group, Inc.	BUY	23.23	Ordinary	1,980	1,980
***************************************	The Vanguard Group, Inc.  The Vanguard Group, Inc.	BUY	22.24	Ordinary	723	723
	The Vanguard Group, Inc.	SELL	21.27	Ordinary	13,001	13,001
***************************************	The Vanguard Group, Inc.	SELL	21.70	Ordinary	(10,504)	(10,504)
		SELL	21.73		(2,932)	(2,932)
		BUY	21.27	Ordinary	(332)	(332)
	· · · · · · · · · · · · · · · · · · ·	BUY	21.91	Ordinary	63	63
	1	BUY	21.43		337	337
	·	BUY	21.48		355	355
		BUY	21.75	Ordinary	4,237 1,650	4,237
		SELL	21.78	Ordinary	(6,309)	1,650
		SELL	21.65	Ordinary	(1,785)	(6,309)
		BUY	21.57	Ordinary	355	(1,785) 355
		BUY	21.57	Ordinary	783	783
		SELL	21.60	Ordinary	(285)	(285)
	***	SELL	21.54	Ordinary	(458)	(458)
		SELL	21.60	Ordinary	(1,785)	(1,785)
7/25/2018		SELL	21.60	Ordinary	(8,925)	(8,925)
		SELL	21.60	Ordinary	(1,190)	(1,190)
7/27/2018	The Vanguard Group, Inc.	SELL	21.73	Ordinary	(3,504)	(3,504)
		SELL	21.72	Ordinary	(3,188)	(3,188)
7/31/2018	The Vanguard Group, Inc.	BUY	21.99	Ordinary	440	440
8/1/2018	The Vanguard Group, Inc.	BUY	21.94	Ordinary	44,797	44,797
8/1/2018	The Vanguard Group, Inc.	SELL	22.20	Ordinary	(247)	(247)
8/2/2018	The Vanguard Group, Inc.	SELL	21.96	Ordinary	(5,950)	(5,950)
8/3/2018	The Vanguard Group, Inc.	SELL	21.83	Ordinary	(2,041)	(2,041)
8/3/2018	The Vanguard Group, Inc.	BUY	21.83	Ordinary	495	495
		BUY	21.98	Ordinary	35,270	35,270
8/9/2018	The Vanguard Group, Inc.	BUY	21.26	Ordinary	12,248	12,248
8/10/2018	The Vanguard Group, Inc.	SELL	20.60	Ordinary	(14,280)	(14,280)
		SELL	20.62	Ordinary	(11,973)	(11,973)
	···	BUY	20.79	Ordinary	893	893
		BUY	21.05	Ordinary	33,017	33,017
		SELL	21.62	Ordinary	(7,140)	(7,140)
		BUY	21.38	Ordinary	34,334	34,334
		BUY	21.42	Ordinary	1,272	1,272
		SELL		Ordinary	(16,326)	(16,326)
		BUY	21.61	Ordinary	5,932	5,932
		BUY		Ordinary	32,422	32,422
		BUY		Ordinary	1,155	1,155
0 / 24 / 20 / 20 / 20 / 20 / 20 / 20 / 2	The Vanguard Group, Inc.	3UY	1 21.20	0-J: T		
		BUY		Ordinary Ordinary	551	551

Date of change	Person whose relevant interest changed	Nature of	Consideration given in relation to change(7)	Class	Number of	Person's votes
	The Vanguard Group, Inc.	BUY	20.67	Ordinary	32,038	32,038
	The Vanguard Group, Inc.	BUY	20.57	<del></del>	1,815	1,815
	The Vanguard Group, Inc.	SELL	20.59	· · · · · · · · · · · · · · · · · · ·	(14,698)	
	The Vanguard Group, Inc.	BUY	20.66	<del> </del>	355	355
	The Vanguard Group, Inc.	SELL	20.04		(435)	<u> </u>
	The Vanguard Group, Inc.	BUY	20.28		36,547	36,547
	The Vanguard Group, Inc.	SELL	20.47	Ordinary	(266)	(266
	The Vanguard Group, Inc.	BUY	20.16	Ordinary	33,990	33,990
	The Vanguard Group, Inc.	BUY	19.63	Ordinary	9,230	9,230
	The Vanguard Group, Inc.	BUY	19.63	Ordinary	2,932	2,932
	The Vanguard Group, Inc.	BUY	19.71	Ordinary	1,097	1,097
	The Vanguard Group, Inc.	SELL	19.57	Ordinary	(43,432)	(43,432
	The Vanguard Group, Inc.	BUY	19.55	Ordinary	4,398	4,398
·	The Vanguard Group, Inc.	SELL	19.70	Ordinary	(283)	(283
····	The Vanguard Group, Inc.	BUY	19.36	Ordinary	5,404	5,404
	The Vanguard Group, Inc.	BUY	19.69	Ordinary	584	584
	The Vanguard Group, Inc.	BUY	19.38	Ordinary	4,401	4,401
~~~~~	The Vanguard Group, Inc.	BUY	19.38	Ordinary	5,164	5,164
	The Vanguard Group, Inc.	SELL	19.38			
	The Vanguard Group, Inc.	SELL	19.38	Ordinary Ordinary	(19,629)	(19,629
	The Vanguard Group, Inc.	BUY	19.38	<del> </del>	(7,842)	(7,842
	The Vanguard Group, Inc.	BUY	19.11	Ordinary Ordinary	311	311
	The Vanguard Group, Inc.			<del></del>	56,515	56,515
	The Vanguard Group, Inc.	SELL BUY	19.59	Ordinary	(229)	(229
	The Vanguard Group, Inc.		19.54	Ordinary	3,032	3,032
		BUY	19.54	Ordinary	7,580	7,580
	The Vanguard Group, Inc.	BUY	19.54	Ordinary	6,064	6,064
	The Vanguard Group, Inc.	вич	19.50	Ordinary	430	430
	The Vanguard Group, Inc.	BUY	19.47	Ordinary	4,548	4,548
······································	The Vanguard Group, Inc.	BUY	19.50	Ordinary	12,128	12,128
	The Vanguard Group, Inc.	SELL	19.48	Ordinary	(282)	(282
	The Vanguard Group, Inc.	SELL	19.50	Ordinary	(1,780)	(1,780)
	The Vanguard Group, Inc.	BUY	19.80	Ordinary	4,548	4,548
	The Vanguard Group, Inc.	BUY	19.80	Ordinary	3,474	3,474
····	The Vanguard Group, Inc.	BUY	19.66	Ordinary	36,033	36,033
	The Vanguard Group, Inc.	BUY	19.62	Ordinary	9,843	9,843
	The Vanguard Group, Inc.	BUY	19.03	Ordinary	2,949	2,949
	The Vanguard Group, Inc.	BUY	18.90	Ordinary	3,744	3,744
	The Vanguard Group, Inc.	BUY	18.40	Ordinary	6,240	6,240
	The Vanguard Group, Inc.	BUY	18.58	Ordinary	42,555	42,555
	The Vanguard Group, Inc.	SELL	18.40	Ordinary	(297)	(297)
10/18/2018	The Vanguard Group, Inc.	SELL	18.97	Ordinary	(337)	(337)
10/18/2018	The Vanguard Group, Inc.	BUY	18.83	Ordinary	22,331	22,331
	The Vanguard Group, Inc.	8UY	19.17	Ordinary	3,744	3,744
		BUY	19.17	Ordinary	4,548	4,548
		BUY	18.65	Ordinary	4,095	4,095
		BUY	18.72	Ordinary	36,564	36,564
		BUY	18.48	Ordinary	393	393
10/25/2018	The Vanguard Group, Inc.	BUY	18.07	Ordinary	37,983	37,983
10/25/2018	The Vanguard Group, Inc.	BUY	17.95	Ordinary	3,790	3,790
10/26/2018	The Vanguard Group, Inc.	BUY	17.58	Ordinary	1,011	1,011
10/26/2018	***	8UY	17.58	Ordinary	1,911	1,911
		BUY	17.82	Ordinary	522	522
		BUY	17.90	Ordinary	10,229	10,229
		BUY	17.89	Ordinary	48,631	48,631
		SELL	18.00	Ordinary	(1,033)	(1,033)
		BUY	18.08	Ordinary	15,729	15,729
***************************************		BUY	18.03	Ordinary	5,306	5,306
		SELL	17.95	Ordinary	(42,973)	(42,973)
		BUY	17.97	Ordinary	7,580	7,580
		BUY	17.86	Ordinary	9,424	9,424
		SELL	17.80	Ordinary	(14,745)	(14,745)
		BUY	17.74			<del></del>
***************************************		SELL		Ordinary	49,213	49,213
		BUY	17.95	Ordinary	(4,932)	(4,932)
			18.20	Ordinary	6,064	6,064
<del></del>		SELL	17.90	Ordinary	(1,293)	(1,293)
······································		BUY	17.70	Ordinary	675	675
11/12/20181	The Vanguard Group, Inc.	BUY	18.10	Ordinary	4,548	4,548
······································	The Vanguard Convertion	DIAV		O . 4:		
11/13/2018		BUY BUY	18.17 18.39	Ordinary Ordinary	1,435 2,694	1,435 2,694

Date of change	Person whose relevant interest changed	Nature of	Consideration given in relation	Class	Number of	Person's votes
	The Vanguard Group, Inc.	BUY	to change(7)	Class	securities affected	affected
	The Vanguard Group, Inc.	BUY	18.18		6,064	6,064
	The Vanguard Group, Inc.	BUY	18.18 18.54	-	4,548	4,548
	The Vanguard Group, Inc.	BUY	18.54		3,792 712	3,792
	The Vanguard Group, Inc.	BUY	18.46	<del>                                     </del>	11,181	712
	The Vanguard Group, Inc.	BUY	18.48	<del></del>	6,064	11,181 6,064
	The Vanguard Group, Inc.	BUY	18.70	<del>                                     </del>	78	78
	The Vanguard Group, Inc.	SELL	18.52	Ordinary	(473)	(473)
11/28/2018	The Vanguard Group, Inc.	BUY	18.96		624	624
11/28/2018	The Vanguard Group, Inc.	BUY	18.96	Ordinary	3,744	3,744
11/28/2018	The Vanguard Group, Inc.	BUY	18.96	Ordinary	3,790	3,790
11/28/2018	The Vanguard Group, Inc.	BUY	18.96	Ordinary	4,053	4,053
	The Vanguard Group, Inc.	BUY	18.74	Ordinary	15,282	15,282
	The Vanguard Group, Inc.	SELL	18.74	Ordinary	(18,183)	(18,183)
	The Vanguard Group, Inc.	BUY	18.47	Ordinary	42,702	42,702
	The Vanguard Group, Inc.	BUY	18.88	Ordinary	264	264
	The Vanguard Group, Inc.	BUY	19.08	Ordinary	528	528
	The Vanguard Group, Inc.	SELL	19.08	Ordinary	(8,413)	(8,413)
	The Vanguard Group, Inc.	BUY	19.01	Ordinary	6,627	6,627
	The Vanguard Group, Inc.	BUY	19.12	Ordinary	35,627	35,627
	The Vanguard Group, Inc.	BUY	18.86	Ordinary	3,792	3,792
····-	The Vanguard Group, Inc.	BUY	18.86	Ordinary	6,064	6,064
··	The Vanguard Group, Inc.	BUY	19.11	Ordinary	46,920	46,920
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	19.12	Ordinary	3,275	3,275
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY BUY	18.97	Ordinary	15,778	15,778
		BUY	18.97	Ordinary	115	115
	The Vanguard Group, Inc.	SELL	19.42 19.42	Ordinary	4,420	4,420
	The Vanguard Group, Inc.	BUY	19.47	Ordinary Ordinary	(335)	(335)
	The Vanguard Group, Inc.	BUY	19.59	Ordinary	2,844 5,306	2,844
	The Vanguard Group, Inc.	BUY	19.59	Ordinary	6,064	5,306 6,064
		BUY	19.47	Ordinary	3,510	3,510
	······································	BUY	19.49	····	10,123	10,123
12/11/2018	The Vanguard Group, Inc.	BUY	19.60	Ordinary	35,748	35,748
12/11/2018		BUY	19.26	Ordinary	6,064	6,064
12/11/2018	The Vanguard Group, Inc.	BUY	19.26	Ordinary	4,548	4,548
12/12/2018	The Vanguard Group, Inc.	8UY	19.54	Ordinary	12,886	12,886
		BUY	19.54	Ordinary	4,548	4,548
12/12/2018	The Vanguard Group, Inc.	BUY	19.54	Ordinary	4,548	4,548
		SELL	19.33	Ordinary	(284)	(284)
		BUY	19.54	Ordinary	2,316	2,316
		BUY	19.30	Ordinary	455	455
		BUY	19.28	Ordinary	4,053	4,053
	***************************************	BUY	19.28	Ordinary	800	800
***		SELL		Ordinary	(450)	(450)
		BUY	19.73	Ordinary	394	394
		BUY	19.45	Ordinary	4,548	4,548
		BUY BUY	19.45	Ordinary	1,737	1,737
		BUY	19.62	Ordinary	9,096	9,096
		SELL	19.62 19.56	Ordinary Ordinary	5,790	5,790
	· · · · · · · · · · · · · · · · · · ·	BUY	20.07	Ordinary	(44,224)	(44,224)
		BUY	20.02	Ordinary	5,062 6,064	5,062 6,064
		SELL	20.02	Ordinary	(7,095)	6,064 (7,095)
	···	SELL	20.07	Ordinary	(24,664)	(24,664)
		BUY	20.00	Ordinary	2,226	2,226
		BUY	20.00	Ordinary	443	443
		SELL	19.99	Ordinary	(135)	(135)
12/21/2018	The Vanguard Group, Inc.	виу	20.00	Ordinary	71	71
12/21/2018	The Vanguard Group, Inc.	BUY	20.00	Ordinary	785	785
12/21/2018	The Vanguard Group, Inc.	SELL	19.99	Ordinary	(12,581)	(12,581)
		BUY	20.00	Ordinary	5,490	5,490
		SELL	19.99	Ordinary	(314)	(314)
		SELL	19.99	Ordinary	(2,573)	(2,573)
		SELL	19.99	Ordinary	(6,943)	(6,943)
		BUY		Ordinary	5,220	5,220
		BUY	19.63	Ordinary	8,352	8,352
		BUY	19.86	Ordinary	3,132	3,132
12/2//2018	The Vanguard Group, Inc.	BUY	20.33	Ordinary	840	840

			Consideration			
Date of change	Person whose relevant interest changed	Nature of	given in relation	C1	Number of	Person's votes
	The Vanguard Group, Inc.	BUY	to change(7)	Class	securities affected	affected
	The Vanguard Group, Inc.	BUY	20.33		1,566	1,566
***************************************	The Vanguard Group, Inc.	вич	20.33	· · · · · · · · · · · · · · · · · · ·	2,610	2,610
	The Vanguard Group, Inc.	вич	20.36		7,830	7,830
MIII	The Vanguard Group, Inc.	виу	20.62	<del></del>	12,081	12,081
·····	The Vanguard Group, Inc.	виу	20.30		4,032 4,228	4,032 4,228
	The Vanguard Group, Inc.	BUY	20.35	Ordinary	1,176	
	The Vanguard Group, Inc.	вич	20.35	Ordinary	3,024	1,176 3,024
	The Vanguard Group, Inc.	BUY	20.64	Ordinary	770	770
	The Vanguard Group, Inc.	виу	20.35	Ordinary	3,132	3,132
1/2/2019	The Vanguard Group, Inc.	виу	20.35	Ordinary	3,654	3,654
1/2/2019	The Vanguard Group, Inc.	BUY	20.35	Ordinary	830	830
1/3/2019	The Vanguard Group, Inc.	BUY	20.46	Ordinary	14,076	14,076
1/3/2019	The Vanguard Group, Inc.	BUY	20.34	Ordinary	2,610	2,610
1/3/2019	The Vanguard Group, Inc.	BUY	20.34	Ordinary	830	830
	The Vanguard Group, Inc.	BUY	20.65	Ordinary	556	556
1/4/2019	The Vanguard Group, Inc.	BUY	20.59	Ordinary	35,067	35,067
1/4/2019	The Vanguard Group, Inc.	BUY	20.59	Ordinary	14,020	14,020
1/7/2019	The Vanguard Group, Inc.	BUY	20.70	Ordinary	1,044	1,044
1/8/2019	The Vanguard Group, Inc.	SELL	20.45	Ordinary	(328)	(328)
	The Vanguard Group, Inc.	SELL	20.78	Ordinary	(12,061)	(12,061
	The Vanguard Group, Inc.	SELL	20.93	Ordinary	(7,989)	(7,989
	The Vanguard Group, Inc.	BUY	21.02	Ordinary	3,378	3,378
	The Vanguard Group, Inc.	BUY	21.09	Ordinary	2,688	2,688
	The Vanguard Group, Inc.	BUY	21.09	Ordinary	1,660	1,660
70170	The Vanguard Group, Inc.	SELL	20.93	Ordinary	(7,694)	(7,694)
*******	The Vanguard Group, Inc.	BUY	21.18	Ordinary	1,008	1,008
	The Vanguard Group, Inc.	SELL	21.26	Ordinary	(6,640)	(6,640)
		BUY	20.70	Ordinary	561	561
		SELL	20.70	Ordinary	(5,146)	(5,146)
		SELL	20.76	Ordinary	(4,326)	(4,326)
		SELL.	20.90	Ordinary	(1,647)	(1,647)
		SELL	20.63	Ordinary	(277)	(277)
		BUY	20.89	Ordinary	958	958
		BUY	20.89	Ordinary	146	146
		SELL BUY	20.86	Ordinary	(4,326)	(4,326)
	***************************************	SELL	21.06	Ordinary	627	627
		BUY	21.07	Ordinary	(9,373)	(9,373)
	······································	SELL	21.44	Ordinary	9,610	9,610
		SELL	21.62	Ordinary	(9,373)	(9,373)
		SELL	21.58	Ordinary Ordinary	(3,132)	(3,132)
1/29/2019		SELL	21.58	Ordinary	(5,768)	(5,768)
		SELL	21.58	Ordinary	(5,768)	(5,768)
		SELL		Ordinary	(13,699)	(13,699)
***************************************		SELL		Ordinary	(2,088)	(261)
		BUY	21.63	Ordinary	***************************************	
***************************************		BUY	21.70	Ordinary	18,099 1,176	18,099
		SELL	21.70	Ordinary	(3,132)	1,176
***	· · · · · · · · · · · · · · · · · · ·	BUY	21.42	Ordinary	340	(3,132)
	<del></del>	BUY	21.42	Ordinary	553	553
		BUY	21.50	Ordinary	12,969	12,969
		SELL	21.50	Ordinary	(8,874)	(8,874)
***************************************		BUY	22.02	Ordinary	1,848	1,848
		SELL	21.11	Ordinary	(4,784)	(4,784)
	······································	виу	21.11	Ordinary	3,360	3,360
2/7/2019	The Vanguard Group, Inc.	SELL	21.11	Ordinary	(2,088)	(2,088)
2/7/2019	The Vanguard Group, Inc.	SELL	21.11	Ordinary	(2,088)	(2,088)
2/8/2019		BUY	21.35	Ordinary	8,274	8,274
2/8/2019	The Vanguard Group, Inc.	BUY	21.08	Ordinary	12,650	12,650
2/8/2019	The Vanguard Group, Inc.	SELL	21.38	Ordinary	(6,786)	(6,786)
		BUY	21.37	Ordinary	13,086	13,086
		SELL	21.36	Ordinary	(4,698)	(4,698)
		SELL	21.82	Ordinary	(34,097)	(34,097)
		BUY	21.83	Ordinary	49,982	49,982
2/13/2019	The Vanguard Group, Inc.	SELL	21.85	Ordinary	(3,132)	(3,132)
2/15/2019]1	The Vanguard Group, Inc.	SELL	22.05	Ordinary	(402)	(402)
2/15/2019 1	The Vanguard Group, Inc. STATE	SELL	21.63	Ordinary	(189)	(189)

			Consideration		<u> </u>	
Date of change	Person whose relevant interest changed	Nature of	given in relation to change(7)	Class	Number of securities affected	Person's votes affected
	The Vanguard Group, Inc.	BUY	21.31		11,222	11,222
	The Vanguard Group, Inc.	SELL	21.31		(6,353)	(6,353
	The Vanguard Group, Inc.	SELL	21.39	Ordinary	(2,610)	(2,610
	The Vanguard Group, Inc.	BUY	21.65	Ordinary	35,446	35,446
	The Vanguard Group, Inc.	BUY	21.65	Ordinary	13,097	13,097
	The Vanguard Group, Inc.	BUY	21.32	·	3,605	3,605
	The Vanguard Group, Inc.	BUY	21.31	<del></del>	340	340
	The Vanguard Group, Inc.	BUY	21.32	Ordinary	830	830
· · · · · · · · · · · · · · · · · · ·	The Vanguard Group, Inc.	SELL	21.21	Ordinary	(11,966)	(11,966
	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL BUY	21.38	Ordinary	(2,554)	(2,554)
	The Vanguard Group, Inc.	SELL	21.38 21.38	Ordinary Ordinary	553	553
7	The Vanguard Group, Inc.	SELL	21.38	Ordinary	(13,693)	(13,693) (1,655)
	The Vanguard Group, Inc.	BUY	21.15	Ordinary	1,145	1,145
	The Vanguard Group, Inc.	вич	21.15	Ordinary	13,254	13,254
	The Vanguard Group, Inc.	SELL	21.15	Ordinary	(13,079)	(13,079)
	The Vanguard Group, Inc.	SELL	21.45	Ordinary	(3,183)	(3,183)
	The Vanguard Group, Inc.	BUY	21.43	Ordinary	908	908
	The Vanguard Group, Inc.	BUY	21.34	Ordinary	46,037	46,037
3/5/2019	The Vanguard Group, Inc.	₿UY	21.44	Ordinary	4,326	4,326
	The Vanguard Group, Inc.	BUY	21.63	Ordinary	465	465
	The Vanguard Group, Inc.	BUY	22.07	Ordinary	355	355
3/8/2019	The Vanguard Group, Inc.	BUY	21.92	Ordinary	3,605	3,605
	The Vanguard Group, Inc.	BUY	21.84	Ordinary	340	340
	The Vanguard Group, Inc.	SELL	21.83	Ordinary	(2,169)	(2,169)
	The Vanguard Group, Inc. The Vanguard Group, Inc.	8UY SELL	21.78	Ordinary	170	170
	The Vanguard Group, Inc.	SELL	21.78 22.08	Ordinary Ordinary	(7,629)	(7,629)
	The Vanguard Group, Inc.	SELL	22.08	Ordinary	(1,279) (1,208)	(1,279)
	The Vanguard Group, Inc.	BUY	21.86	Ordinary	2,352	2,352
***************************************	The Vanguard Group, Inc.	BUY	21.93	Ordinary	4,626	4,626
	The Vanguard Group, Inc.	BUY	21.93	Ordinary	178	178
3/20/2019	The Vanguard Group, Inc.	BUY	22.12	Ordinary	32,116	32,116
3/20/2019	The Vanguard Group, Inc.	BUY	22.12	Ordinary	2,163	2,163
	The Vanguard Group, Inc.	BUY	21.95	Ordinary	355	355
	The Vanguard Group, Inc.	SELL	21.88	Ordinary	(13,688)	(13,688)
3/26/2019	The Vanguard Group, Inc.	BUY	21.92	Ordinary	32,361	32,361
	The Vanguard Group, Inc.	SELL.	21.78	Ordinary	(356)	(356)
3/2//2019		BUY	21.59	Ordinary	848	848
		SELL	21.96		(1,934)	(1,934)
<del></del>		BUY SELL	21.77	Ordinary	340	340
		BUY	21.77	Ordinary Ordinary	(8,858) 32,213	(8,858)
		BUY	21.61	Ordinary	52,213 889	32,213 889
		BUY	*****	Ordinary	2,172	2,172
		BUY	21.63		848	848
		BUY	21.76		32,526	32,526
4/4/2019	The Vanguard Group, Inc.	BUY	21.86	Ordinary	1,293	1,293
		SELL	21.86	Ordinary	(5,009)	(5,009)
		BUY	21.54	Ordinary	3,360	3,360
		BUY	21.54	Ordinary	848	848
		BUY	21.70	Ordinary	848	848
		SELL	21.61	Ordinary	(3,892)	(3,892)
		BUY	21.51	Ordinary	15,752	15,752
		BUY BUY	21.99	Ordinary	13,016	13,016
		BUY	21.96 21.96	Ordinary	340	340
		BUY	21.88	Ordinary Ordinary	32,919 31,864	32,919 31,864
		BUY	21.79	Ordinary	8,478	8,478
		SELL	22.18	Ordinary	(3,284)	(3,284)
		BUY	22.23	Ordinary	3,024	3,024
		BUY	22.44	Ordinary	592	592
4/26/2019		BUY	22.96	Ordinary	2,715	2,715
4/26/2019	The Vanguard Group, Inc.	SELL	22.91	Ordinary	(254)	(254)
	······································	виу	21.99	Ordinary	1,293	1,293
		BUY	21.98	Ordinary	664	664
	M-2000000000000000000000000000000000000	SELL	22.14	Ordinary	(3,588)	(3,588)
	· · · · · · · · · · · · · · · · · · ·	BUY	22.30	Ordinary	1,293	1,293
5/7/2019	The Vanguard Group, Inc.	BUY	22.30	Ordinary	1,622	1,622

		Nature of	Consideration given in relation		Number of	Person's votes
Date of change	Person whose relevant interest changed	1	to change(7)	Class	securities affected	affected
5/7/2019	The Vanguard Group, Inc.	ВШҮ	22.30		43,047	43,047
	The Vanguard Group, Inc.	виу	22.33		1,500	1,500
	The Vanguard Group, Inc.	BUY	21.99	· · · · · · · · · · · · · · · · · · ·	355	355
	The Vanguard Group, Inc.	виу	21.99	· · · · · · · · · · · · · · · · · · ·	5,045	5,045
	The Vanguard Group, Inc.	SELL	21.99		(3,588)	(3,588
5/8/2019	The Vanguard Group, Inc.	BUY	22.09	<u> </u>	16,066	16,066
5/9/2019	The Vanguard Group, Inc.	BUY	22.48		841	841
	The Vanguard Group, Inc.	BUY	22.21	Ordinary	37,345	37,345
	The Vanguard Group, Inc.	BUY	22.46	<del></del>	3,258	3,258
	The Vanguard Group, Inc.	BUY	22.46	·	872	872
	The Vanguard Group, Inc.	BUY	22.96		355	355
	The Vanguard Group, Inc.	SELL	22.96	<del></del>	(10,998)	(10,998
	The Vanguard Group, Inc.	виу	22.96	<u> </u>	655	(10,538
	The Vanguard Group, Inc.	BUY	22.60		4,798	4,798
	The Vanguard Group, Inc.	виу	22.43	<del> </del>	340	340
	The Vanguard Group, Inc.	виу	22.60	<del></del>	15,525	
	The Vanguard Group, Inc.	SELL	22.51	<del> </del>	<del></del>	15,525
	The Vanguard Group, Inc.	BUY		<del></del>	(3,588)	(3,588
··-	The Vanguard Group, Inc.	BUY	22.51	Ordinary	2,088	2,088
	The Vanguard Group, Inc.		22.51	<del></del>	436	436
***************************************	The Vanguard Group, Inc.	BUY	22.59	<del></del> -	8,649	8,649
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	22.55	· · · · · · · · · · · · · · · · · · ·	156,971	156,971
		BUY	22.43	Ordinary	102,110	102,110
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	22.59		614	614
		BUY	22.59	Ordinary	32,161	32,161
	The Vanguard Group, Inc.	BUY	22.27	Ordinary	1,500	1,500
	The Vanguard Group, Inc.	BUY	22.09		3,056	3,056
		BUY	22.10		15,303	15,303
	<b>4</b>	BUY	22.17	Ordinary	3,056	3,056
		BUY	22.21	Ordinary	41,890	41,890
		BUY	21.73	Ordinary	1,139	1,139
	The Vanguard Group, Inc.	BUY	20.94	Ordinary	2,976	2,976
5/28/2019	The Vanguard Group, Inc.	BUY	20.89	Ordinary	2,715	2,715
	The Vanguard Group, Inc.	SELL	20.94	Ordinary	(19,155)	(19,155)
		SELL	20.63	Ordinary	(456)	(456)
		BUY	20.63	Ordinary	1,228	1,228
		BUY	20.67	Ordinary	355	355
		SELL	20.55	Ordinary	(18,144)	(18,144)
		8UY	20.21	Ordinary	1,500	1,500
6/4/2019	The Vanguard Group, Inc.	BUY	20.31	Ordinary	5,086	5,086
6/5/2019	The Vanguard Group, Inc.	SELL	20.27	Ordinary	(1,293)	(1,293)
6/5/2019	The Vanguard Group, Inc.	SELL	20.34	Ordinary	(2,392)	(2,392)
		SELL	20.34	Ordinary	(4,784)	(4,784)
		SELL	20.58	Ordinary	(284)	(284)
6/6/2019	The Vanguard Group, Inc.	BUY	20.65	Ordinary	340	340
6/6/2019	The Vanguard Group, Inc.	SELL	20.65		(20,519)	(20,519)
6/6/2019	The Vanguard Group, Inc.	BUY	20.69	Ordinary	872	872
6/7/2019	The Vanguard Group, Inc.	BUY	20.91	Ordinary	30,517	30,517
6/7/2019	The Vanguard Group, Inc.	BUY	20.91	Ordinary	173	173
6/7/2019	The Vanguard Group, Inc.	8UY	20.93	Ordinary	872	872
	······	8UY	21.00	Ordinary	1,800	1,800
	· · · · · · · · · · · · · · · · · · ·	BUY	19.40	Ordinary	355	355
		BUY	19.40	Ordinary	592	592
		SELL	19.37	Ordinary	(2,990)	(2,990)
		SELL	19.55	Ordinary	(18,776)	(18,776)
~~~~~~		BUY	19.55	Ordinary	445	(18,778)
··········		BUY	19.58	Ordinary	1,800	1,800
		BUY	19.57	Ordinary	600	600
·		SELL	19.53	Ordinary	(13,824)	······
		SELL	19.57	Ordinary	(13,824)	(13,824)
		SELL	19.60	Ordinary		(1,217)
		SELL	19.57	Ordinary	(1,794)	(1,794)
		BUY		<del></del>	(18,630)	(18,630)
		SELL	19.88	Ordinary	340	340
			19.88	Ordinary	(5,409)	(5,409)
***************************************		SELL	19.99	Ordinary	(1,953)	(1,953)
		BUY	19.91	Ordinary	872	872
		BUY	19.75	Ordinary	10,331	10,331
		BUY	20.49	Ordinary	1,500	1,500
		SELL SELL	20.39	Ordinary	(423)	(423)
C /04 /004 01			20.39	Ordinary	(264)	(264)

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
6/21/2019	The Vanguard Group, Inc.	виу	20.39	Ordinary	1,162	1,162
	The Vanguard Group, Inc.	BUY	20.39	Ordinary	4,127	4,127
	The Vanguard Group, Inc.	SELL	20.39	Ordinary	(40,480)	(40,480)
	The Vanguard Group, Inc.	SELL	20.39	Ordinary	(64,870)	(64,870)
	The Vanguard Group, Inc.	BUY	20.41	Ordinary	750	750
	The Vanguard Group, Inc.	BUY	20.36	Ordinary	4,176	4,176
	The Vanguard Group, Inc.	BUY	20.15		1,418	1,418
	The Vanguard Group, Inc.	SELL	20.12	Ordinary	(1,794)	(1,794)
	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL BUY	20.12	Ordinary	(1,794)	(1,794)
	The Vanguard Group, Inc.	BUY	20.12	<del> </del>	1,794	1,794
	The Vanguard Group, Inc.	BUY	20.12	<del> </del>	900	900
	The Vanguard Group, Inc.	BUY	20.12		1,350	1,350
	The Vanguard Group, Inc.	BUY	20.14		1,293	1,293
	The Vanguard Group, Inc.	BUY	20.14	Ordinary	1,682 1,800	1,682 1,800
VIIII	The Vanguard Group, Inc.	BUY	20.07	Ordinary	1,050	1,050
	The Vanguard Group, Inc.	SELL	20.08	Ordinary	(134,220)	(134,220)
	The Vanguard Group, Inc.	SELL	20.12	Ordinary	(277)	(277)
7/1/2019	The Vanguard Group, Inc.	BUY	20.13	Ordinary	2,811	2,811
7/2/2019	The Vanguard Group, Inc.	BUY	20.44	Ordinary	12,217	12,217
	The Vanguard Group, Inc.	BUY	20.46	Ordinary	1,350	1,350
	The Vanguard Group, Inc.	BUY	20.61	Ordinary	7,414	7,414
7/4/2019	The Vanguard Group, Inc.	BUY	20.98	Ordinary	5,862	5,862
	The Vanguard Group, Inc.	BUY	21.15	Ordinary	2,248	2,248
		BUY	20.28	Ordinary	340	340
		BUY	20.32	Ordinary	1,500	1,500
		BUY	20.46	Ordinary	1,943	1,943
	The Vanguard Group, Inc.	BUY	20.41	Ordinary	35,368	35,368
		BUY	20.41	Ordinary	18,538	18,538
	The Vanguard Group, Inc.	SELL	20.60	Ordinary	(9,978)	(9,978)
***************************************		BUY	20.51	Ordinary	1,181	1,181
***************************************		BUY	20.22	Ordinary	3,372	3,372
·····		SELL BUY	20.22	Ordinary	(5,820)	(5,820)
***************************************		BUY	20.61	Ordinary	34,748	34,748
		BUY	20.54	Ordinary Ordinary	1,050 750	1,050
		BUY	20.54	Ordinary	1,500	750 1,500
		BUY	20.22	Ordinary	1,235	1,235
		BUY	20.67	Ordinary	882	882
7/22/2019	The Vanguard Group, Inc.	SELL	20.70	Ordinary	(11,552)	(11,552)
7/22/2019	The Vanguard Group, Inc.	BUY	20.72	Ordinary	1,500	1,500
7/22/2019	The Vanguard Group, Inc.	BUY	20.72	Ordinary	2,810	2,810
7/22/2019	The Vanguard Group, Inc.	BUY	20.72	Ordinary	2,810	2,810
7/22/2019	The Vanguard Group, Inc.	BUY	20.72	Ordinary	882	882
		BUY	20.69	Ordinary	355	355
		BUY	20.72	Ordinary	1,500	1,500
		BUY	21.02	Ordinary	1,566	1,566
		SELL	20.91	Ordinary	(2,551)	(2,551)
		BUY	20.91	Ordinary	166	166
		BUY	20.98	Ordinary	1,350	1,350
		BUY	20.98	Ordinary	2,610	2,610
		BUY	20.98	Ordinary	882	882
		SELL	20.98	Ordinary	(14,240)	(14,240)
		BUY BUY	21.23	Ordinary	1,293	1,293
		SELL.	21.21 21.19	Ordinary Ordinary	8,478	8,478
		BUY	20.96	Ordinary	(2,392)	(2,392)
		SELL.	20.44	Ordinary	1,350 (24,608)	1,350
		BUY	20.69	Ordinary	40,199	(24,608) 40,199
		BUY	20.48	Ordinary	5,400	5,400
	····	BUY	20.52	Ordinary	35,496	35,496
		BUY	20.43	Ordinary	2,088	2,088
		BUY	20.18	Ordinary	710	710
8/5/2019	The Vanguard Group, Inc.	BUY	20.06	Ordinary	1,500	1,500
8/5/2019	The Vanguard Group, Inc.	BUY	20.06	Ordinary	2,610	2,610
8/6/2019		BUY	19.81	Ordinary	9,369	9,369
		BUY	19.92	Ordinary	441	441
		SELL	19.72	Ordinary	(487)	(487)
8/7/2019[1	The Vanguard Group, Inc.	SELL	19.83	Ordinary	(91,621)	(91,621)

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
	The Vanguard Group, Inc.	BUY	19.08	Ordinary	976	976
	The Vanguard Group, Inc.	SELL	19.14	Ordinary	(2,990)	(2,990)
	The Vanguard Group, Inc.	BUY	19.20	Ordinary	38,368	38,368
	The Vanguard Group, Inc.	BUY	19.27		1,323	1,323
	The Vanguard Group, Inc.	BUY	19.02	Ordinary	355	355
	The Vanguard Group, Inc.	BUY	19.18	Ordinary	1,560	1,560
	The Vanguard Group, Inc.	BUY	18.97	Ordinary	2,400	2,400
	The Vanguard Group, Inc.	8UY	18.88	Ordinary	719	719
	The Vanguard Group, Inc.	SELL	18.93		(4,186)	(4,186
	The Vanguard Group, Inc.	BUY	18.93	<del> </del>	882	882
	The Vanguard Group, Inc.	BUY	19.07	1	340	340
	The Vanguard Group, Inc.	BUY	18.98	<del></del>	17,155	17,155
	The Vanguard Group, Inc.	BUY	18.80	<del></del>	60	60
8/15/2019	The Vanguard Group, Inc.	SELL	18.78	Ordinary	(3,588)	(3,588)
8/15/2019	The Vanguard Group, Inc.	BUY	18.80		42,913	42,913
	The Vanguard Group, Inc.	BUY	18.92	Ordinary	7,033	7,033
	The Vanguard Group, Inc.	SELL	18.92	Ordinary	(503)	(503)
	The Vanguard Group, Inc.	SELL	18.88	Ordinary	(2,011)	(2,011)
	The Vanguard Group, Inc.	BUY	18.60	Ordinary	3,000	3,000
	The Vanguard Group, Inc.	SELL	18.56	Ordinary	(14,906)	(14,906)
	The Vanguard Group, Inc.	SELL	18.69	Ordinary	(2,804)	(2,804)
	The Vanguard Group, Inc.	BUY	18.92	Ordinary	9,217	9,217
8/30/2019	The Vanguard Group, Inc.	BUY	18.96	Ordinary	47,323	47,323
	The Vanguard Group, Inc.	BUY	19.08	Ordinary	6,589	6,589
	The Vanguard Group, Inc.	BUY	18.90	Ordinary	340	340
9/6/2019	The Vanguard Group, Inc.	₿UY	18.90	Ordinary	1,163	1,163
9/9/2019	The Vanguard Group, Inc.	BUY	18.93	Ordinary	1,950	1,950
	The Vanguard Group, Inc.	SELL	18.95	Ordinary	(249)	(249)
9/11/2019	The Vanguard Group, Inc.	BUY	19.06	Ordinary	1,950	1,950
9/12/2019	The Vanguard Group, Inc.	BUY	18.99	Ordinary	1,500	1,500
9/16/2019	The Vanguard Group, Inc.	BUY	18.87	Ordinary	3,615	3,615
9/16/2019	The Vanguard Group, Inc.	BUY	18.90	Ordinary	1,794	1,794
9/17/2019	The Vanguard Group, Inc.	BUY	18.98	Ordinary	350	350
	The Vanguard Group, Inc.	BUY	18.82	Ordinary	1,350	1,350
9/20/2019	The Vanguard Group, Inc.	SELL	18.88	Ordinary	(1,211)	(1,211)
		SELL	18.88	Ordinary	(62,236)	(62,236)
	The Vanguard Group, Inc.	SELL	18.88	Ordinary	(9,365)	(9,365)
9/20/2019		SELL	18.88	Ordinary	(1,659)	(1,659)
9/23/2019		BUY	18.94	Ordinary	1,500	1,500
		BUY	18.86	Ordinary	9,943	9,943
9/24/2019	The Vanguard Group, Inc.	SELL	18.86	Ordinary	(438)	(438)
		BUY	19.13		9,776	9,776
		BUY	19.17	Ordinary	1,500	1,500
9/27/2019		SELL		Ordinary	(515)	(515)
		BUY	19.17	*******	874	874
10/1/2019		BUY	19.48		1,273	1,273
		BUY	19.48	Ordinary	39	
10/2/2019		BUY	19.04	Ordinary	437	39 437
		BUY	19.02	Ordinary	245	245
		BUY	19.11	Ordinary	4,500	4,500
~		BUY	19.11	Ordinary	1,500	
	- Total Control Contro	BUY	19.36	Ordinary	1,200	1,500
		BUY	19.45	Ordinary	278	1,200
	···	BUY	19.42	Ordinary	872	278
		BUY	19.29	Ordinary	340	872
10/21/2019		BUY	19.30	Ordinary	872	340
		BUY	19.62	Ordinary	1,500	872
		SELL	19.57	Ordinary		1,500
		BUY	19.71	Ordinary	(7,276)	(7,276)
		BUY	<del></del>		340	340
		SELL	19.71 19.71	Ordinary	7,498	7,498
		SELL	~	Ordinary	(17)	(17)
		BUY	19.70	Ordinary	(7,344)	(7,344)
				Ordinary	~ 872	872
		BUY	19.71	Ordinary	20,328	20,328
		SELL	19.72	Ordinary	(9,248)	(9,248)
		BUY		Ordinary	14,839	14,839
		SELL		Ordinary	(10,802)	(10,802)
	TOTAL	BUY	19.88 19.73	Ordinary Ordinary	236	236
33747304017				· Irainari	1,713	1,713

Date of change	Parran where relevant interest at	Nature of	Consideration given in relation		Number of	Person's votes
<del></del>	Person whose relevant interest changed The Vanguard Group, Inc.	<del> </del>	to change(7)	Class	securities affected	affected
	The Vanguard Group, Inc.	SELL BUY	19.73 19.63	<del></del>	(7,143)	(7,143
	The Vanguard Group, Inc.	SELL	19.64	<u> </u>	3,000	3,000 (587
	The Vanguard Group, Inc.	BUY	19.56		2,247	2,247
11/6/2019	The Vanguard Group, Inc.	BUY	19.64		1,500	1,500
	The Vanguard Group, Inc.	BUY	19.92		340	340
	The Vanguard Group, Inc.	BUY	20.12	Ordinary	2,100	2,100
	The Vanguard Group, Inc.	BUY	19.98	Ordinary	154	154
	The Vanguard Group, Inc.	BUY	20.13		1,200	1,200
11/15/2019	The Vanguard Group, Inc.	BUY	20.04		5,527	5,527
	The Vanguard Group, Inc. The Vanguard Group, Inc.	8UY	20.01		930	930
	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY BUY	19.99	Ordinary	1,650	1,650
	The Vanguard Group, Inc.	BUY	19.99 20.25	Ordinary	1,308	1,308
	The Vanguard Group, Inc.	виу	19.98	Ordinary Ordinary	340	340
	The Vanguard Group, Inc.	BUY	19.81	Ordinary	1,100	1,100 148
	The Vanguard Group, Inc.	BUY	19.89	Ordinary	620	620
	The Vanguard Group, Inc.	BUY	19.89	Ordinary	2,400	2,400
11/22/2019	The Vanguard Group, Inc.	SELL	19.77	Ordinary	(193)	(193)
	Vanguard Investments Australia Ltd.	BUY	21.44	Ordinary	219,192	219,192
6/14/2018	Vanguard Investments Australia Ltd.	BUY	21.45	Ordinary	226,386	226,386
	Vanguard Investments Australia Ltd.	BUY	21.44	Ordinary	6,040	6,040
	Vanguard Investments Australia Ltd.	BUY	21.64	Ordinary	5,599	5,599
	Vanguard Investments Australia Ltd.	BUY	21.66	Ordinary	31,589	31,589
	Vanguard Investments Australia Ltd.	8UY	21.64	Ordinary	87,699	87,699
6/15/2018	Vanguard Investments Australia Ltd.	BUY	21.69	Ordinary	428,288	428,288
		BUY	21.64	Ordinary	3,496	3,496
	Vanguard Investments Australia Ltd.	BUY	21.66	Ordinary	19,727	19,727
	Vanguard Investments Australia Ltd.  Vanguard Investments Australia Ltd.	BUY	21.74	Ordinary	185,321	185,321
	Vanguard Investments Australia Ltd.  Vanguard Investments Australia Ltd.	BUY BUY	21.81	Ordinary	130,597	130,597
	***************************************	BUY	21.85	Ordinary	210,784	210,784
6/21/2018		BUY	21.89 21.89	Ordinary Ordinary	13,435	13,435
6/26/2018		SELL	21.84	Ordinary	114,056 (730)	114,056
		SELL	21.84	Ordinary	(730)	(730) (719)
		SELL	22.48	Ordinary	(23,878)	(23,878)
		SELL	22.48		(41,536)	(41,536)
		BUY	22.69	Ordinary	23,497	23,497
		BUY	23.02	Ordinary	23,554	23,554
		SELL	23.03	Ordinary	(1,913)	(1,913)
		BUY	23.02	Ordinary	1,749	1,749
		BUY	23.11	Ordinary	3,292	3,292
	<del></del>	BUY	23.11	Ordinary	9,917	9,917
		BUY	23.11	Ordinary	11,748	11,748
	***************************************	BUY	23.15	Ordinary	5,445	5,445
		SELL BUY	23.07	Ordinary	(4,853)	(4,853)
		BUY	21.75 21.75	Ordinary Ordinary	3,630	3,630
		BUY	21./3	Ordinary	9,583 7,518	9,583
		SELL	21.56	Ordinary	(6,418)	7,518 (6,418)
***************************************		BUY	21.48	Ordinary	7,589	7,589
		BUY	21.78	Ordinary	6,534	6,534
7/27/2018		BUY	21.78	Ordinary	10,584	10,584
		BUY	21.89	Ordinary	5,346	5,346
		SELL	21.83	Ordinary	(6,331)	(6,331)
		BUY	21.83	Ordinary	8,555	8,555
		BUY	22.09	Ordinary	10,739	10,739
		BUY	21.65	Ordinary	3,714	3,714
		BUY	21.65	Ordinary	10,158	10,158
		SELL	21.82	Ordinary	(5,280)	(5,280)
		BUY	21.36	Ordinary	6,110	6,110
		BUY		Ordinary	12,247	12,247
		ELL		Ordinary	8,828	8,828
		BUY		Ordinary	(11,731)	(11,731)
		BUY		Ordinary Ordinary	6,501	6,501
					12,346	12,346
9/6/2018\	/anguard investments Australia I tri	SUY	1 20.02 1	( )rdinan		
·		BUY		Ordinary Ordinary	11,638 18,810	11,638 18,810

	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes
	Vanguard Investments Australia Ltd.	SELL	19.70	Ordinary	(7,144)	(7,144
9/17/2018	Vanguard Investments Australia Ltd.	BUY	19.36	Ordinary	6,182	6,182
	Vanguard Investments Australia Ltd.	BUY	19.37	Ordinary	5,285	5,285
	Vanguard Investments Australia Ltd.	BUY	19.37	Ordinary	8,318	8,318
	Vanguard Investments Australia Ltd.	BUY	19.37	Ordinary	1,848	1,848
	Vanguard Investments Australia Ltd.	BUY	19.38	+	9,253	9,253
	Vanguard Investments Australia Ltd.	BUY	19.38	<u> </u>	10,506	10,506
9/21/2018	Vanguard Investments Australia Ltd.	BUY	19.38	Ordinary	3,174	3,174
9/21/2018	Vanguard Investments Australia Ltd.	BUY	19.38	Ordinary	20,872	20,872
9/26/2018	Vanguard Investments Australia Ltd.	BUY	19.59	Ordinary	3,324	3,324
	Vanguard Investments Australia Ltd.	BUY	19.32	Ordinary	10,502	10,502
	Vanguard Investments Australia Ltd.	BUY	19.32	Ordinary	4,802	4,802
	Vanguard Investments Australia Ltd.	BUY	19.32	Ordinary	9,143	9,143
	Vanguard Investments Australia Ltd.	BUY	19.32	Ordinary	1,779	1,779
		BUY	19.32	Ordinary	8,283	8,283
		вич	19.32	Ordinary	14,884	14,884
		BUY	19.37	Ordinary	42,658	42,658
		SELL	19.50	Ordinary	(704)	(704)
		SELL	19.50	Ordinary	(21,574)	(21,574)
		BUY	19.50	Ordinary	5,185	5,185
		BUY	19.50	Ordinary	4,923	4,923
		BUY	19.80	Ordinary	19,720	19,720
10/8/2018		BUY	19.65	Ordinary	4,851	4,851
10/3/2018		BUY	19.62	Ordinary	3,111	3,111
		SELL BUY	19.33	Ordinary	(4,768)	(4,768)
		BUY	19.03	Ordinary	6,468	6,468
		SELL	18.78	Ordinary	3,111	3,111
		BUY	18.70	Ordinary	(6,996)	(6,996)
		BUY	18.93	Ordinary	3,111	3,111
10/17/2018		SELL	18.93	Ordinary	9,163	9,163
10/22/2018	· · · · · · · · · · · · · · · · · · ·	BUY	19.17	Ordinary	(4,035)	(4,035)
		BUY	18.65	Ordinary	3,111	3,111
		SELL	18.65	Ordinary	4,148	4,148
	· · · · · · · · · · · · · · · · · · ·	BUY	18.48	Ordinary	(10,154)	(10,154)
		BUY	18.48 17.85	Ordinary	6,372	6,372
		SELL	17.85	Ordinary Ordinary	14,403	14,403
		BUY	17.85	Ordinary	(4,254)	(4,254)
		BUY	17.85	Ordinary	4,148	4,148
		BUY	17.79	Ordinary	7,434	7,434
10/29/2018		BUY	17.79	Ordinary	4,148	4,148
	***************************************	BUY	18.00	Ordinary	23,167 1,584	23,167
		BUY	18.00	Ordinary	8,448	1,584
		BUY	17.95	Ordinary	1,056	8,448
···	<del></del>	BUY	17.82		6,864	1,056
		BUY	17.95	Ordinary		6,864
		BUY	18.19	****	25,174 24,990	25,174
		SELL	18.20	Ordinary	(11,056)	24,990
		BUY	18.20	Ordinary	6,799	(11,056)
	<del></del>	SELL	18.44	Ordinary	(4,307)	6,799
		BUY	18.60	Ordinary	(4,307)	(4,307)
		BUY	18.44	Ordinary	14,578	626 14,578
		SELL	18.40	Ordinary	(25,704)	
		BUY	18.49	Ordinary	6,591	(25,704) 6,591
		BUY	18.66	Ordinary	3,147	***************************************
		BUY	18.66	Ordinary	3,147	3,147 3,147
		BUY	18.66	Ordinary	7,588	7,588
		BUY	18.67	Ordinary	11,915	11,915
		BUY	18.69	Ordinary	5,962	5,962
**************************************		BUY	18.60	Ordinary	18,684	18,684
		BUY	19.08	Ordinary	6,929	6,929
		BUY	19.08	Ordinary	13,112	13,112
		BUY	19.01	Ordinary	66,991	66,991
*		BUY	19.01	Ordinary	125,047	125,047
		BUY	19.42	Ordinary	3,138	3,138
		BUY	19.72	Ordinary	6,465	6,465
		BUY	<del></del>			<del></del>
12/10/2018 V	'anguard Investments Australia Ltd.   E	) ( i	19.471	OFFICIAL	4 184 1	
12/11/2018 V		BUY	19.47 19.26	Ordinary Ordinary	4,184 3,138	4,184 3,138

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
12/11/2018	Vanguard Investments Australia Ltd.	виу	19.26	<del></del>	11,080	11,080
12/12/2018	Vanguard Investments Australia Ltd.	BUY	19.57	<del></del>	469,165	469,165
	Vanguard Investments Australia Ltd.	SELL	19.50	Ordinary	(3,324)	
	Vanguard Investments Australia Ltd.	BUY	19.82	Ordinary	4,184	4,184
12/19/2018	Vanguard Investments Australia Ltd.	BUY	19.61	Ordinary	78,078	78,078
	Vanguard Investments Australia Ltd.	SELL	20.07	<del>                                     </del>	(2,995)	(2,995
	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	BUY	20.14	<del>'</del>	39,202	39,202
	Vanguard Investments Australia Ltd.	BUY BUY	20.00		29,134	29,134
	Vanguard Investments Australia Ltd.	BUY	20.00	Ordinary	5,111	5,111
12/21/2018	Vanguard Investments Australia Ltd.	BUY	20.00	Ordinary	4,992 9,584	4,992
12/21/2018	Vanguard Investments Australia Ltd.	BUY	20.00	Ordinary	23,523	9,584 23,523
	Vanguard Investments Australia Ltd.	BUY	20.00		12,462	12,462
	Vanguard Investments Australia Ltd.	вич	20.00	Ordinary	30,260	30,260
12/21/2018	Vanguard Investments Australia Ltd.	вич	19.99	Ordinary	3,138	3,138
	Vanguard Investments Australia Ltd.	виу	19.99	Ordinary	352,826	352,826
	Vanguard Investments Australia Ltd.	BUY	20.00	Ordinary	68,351	68,351
12/27/2018	Vanguard Investments Australia Ltd.	BUY	20.26	Ordinary	3,468	3,468
12/31/2018	Vanguard Investments Australia Ltd.	SELL	20.63	Ordinary	(751)	(751
12/31/2018	Vanguard Investments Australia Ltd.	SELL	20.63	Ordinary	(16,930)	(16,930
	Vanguard Investments Australia Ltd.	BUY	20.42	Ordinary	7,179	7,179
	Vanguard Investments Australia Ltd.	BUY	20.58	Ordinary	2,535	2,535
	Vanguard Investments Australia Ltd.	BUY	20.87	Ordinary	5,870	5,870
		BUY BUY	21.02	Ordinary	561	561
1/11/2019		BUY	21.16	Ordinary	6,996	6,996
1/18/2019	Vanguard Investments Australia Ltd.	BUY	21.25	Ordinary Ordinary	10,840	10,840
	Vanguard Investments Australia Ltd.	SELL	20.95	Ordinary	6,339 (6,591)	6,339
1/21/2019		BUY	20.95	Ordinary	3,900	(6,591 3,900
1/22/2019		SELL	20.91	Ordinary	(5,623)	(5,623)
		SELL	20.89	Ordinary	(15,566)	(15,566)
		SELL	21.44	Ordinary	(6,944)	(6,944)
		SELL	21.73	Ordinary	(257)	(257)
1/29/2019		BUY	21.63	Ordinary	8,480	8,480
1/30/2019		виу	21.63	Ordinary	2,372	2,372
		BUY	21.60	Ordinary	13,565	13,565
		BUY	21.56	Ordinary	16,218	16,218
		BUY	21.80	Ordinary	8,884	8,884
		SELL SELL	21.98	Ordinary	(41,020)	(41,020)
		BUY	21.82 21.85	Ordinary	(7,121)	(7,121)
		SELL	21.62	Ordinary Ordinary	30,426	30,426
		SELL	21.62	Ordinary	(5,372)	(5,372) (8,578)
		SELL	21.62		(2,272)	(2,272)
2/19/2019		BUY	22.06	Ordinary	6,732	6,732
2/22/2019		BUY	21.53	Ordinary	9,670	9,670
		SELL	21.30	Ordinary	(14,648)	(14,648)
		BUY	21.33	Ordinary	14,670	14,670
		BUY	21.33	Ordinary	6,120	6,120
····-		BUY	21.45	Ordinary	39,168	39,168
	- · · · · · · · · · · · · · · · · · · ·	SELL	21.79	Ordinary	(3,260)	(3,260)
		BUY BUY	22.08	Ordinary	645	645
		SELL	22.08	Ordinary	17,501	17,501
		BUY	22.08 22.08	Ordinary Ordinary	(4,490)	(4,490)
		BUY	22.08	Ordinary	8,807	325
		BUY	22.08	Ordinary	711	8,807 711
		BUY		Ordinary	19,290	19,290
3/15/2019	Vanguard Investments Australia Ltd.	BUY		Ordinary	583	583
		BUY	22.08	Ordinary	15,812	15,812
		BUY	22.08	Ordinary	385	385
		BUY	22.08	Ordinary	10,423	10,423
		BUY	21.93	Ordinary	480	480
		SELL		Ordinary	(5,511)	(5,511)
		BUY		Ordinary	8,879	8,879
***************************************		ELL		Ordinary	(610)	(610)
		BUY	****	Ordinary	(20,381)	(20,381)
		BUY		Ordinary	19,247	19,247
7/ 4/ 4/ 1/ 1/ 1/	renbeen a myesunents Australia Etu.	141	21.61	Ordinary	2,334	2,334

Date of change	Person whose relevant interest changed	Nature of	Consideration given in relation	Ct-	Number of	Person's votes
	Vanguard Investments Australia Ltd.	SELL SELL	to change(7) 21.61	Class	securities affected	affected
4/1/2019	Vanguard Investments Australia Ltd.	SELL	21.61		(43,549)	· · · · · · · · · · · · · · · · · · ·
4/1/2019	Vanguard Investments Australia Ltd.	BUY	21.61	Ordinary	(764) 18,506	(764 18,500
4/2/2019	Vanguard Investments Australia Ltd.	виу	21.55		5,819	5,81
4/2/2019	Vanguard Investments Australia Ltd.	BUY	21.55		8,105	8,10
	Vanguard Investments Australia Ltd.	BUY	21.55	<del></del>	14,857	14,85
	Vanguard Investments Australia Ltd.	BUY	21.61	Ordinary	6,555	6,55
4/2/2019	Vanguard Investments Australia Ltd.	BUY	21.61	Ordinary	4,403	4,40
4/5/2019	Vanguard Investments Australia Ltd.	BUY	21.45	Ordinary	6,386	6,38
4/8/2019	Vanguard Investments Australia Ltd.	BUY	21.71	Ordinary	5,032	5,03
4/9/2019	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	BUY SELL	21.71	Ordinary	582	58
4/9/2019	Vanguard Investments Australia Ltd.	BUY	21.61 21.61	Ordinary	(2,196)	(2,19
4/10/2019	Vanguard Investments Australia Ltd.	SELL	21.51	Ordinary Ordinary	195,501	195,50
4/11/2019	Vanguard Investments Australia Ltd.	BUY	21.77	Ordinary	(7,214) 9,746	(7,21
4/15/2019	Vanguard Investments Australia Ltd.	BUY	21.82	Ordinary	131	9,74 13
	Vanguard Investments Australia Ltd.	BUY	21.96	Ordinary	40,675	40,67
4/18/2019		SELL	21.79	Ordinary	(2,872)	(2,87)
4/23/2019	Vanguard Investments Australia Ltd.	SELL	22.18	Ordinary	(4,824)	(4,82
4/26/2019		SELL	22.80	Ordinary	(6,865)	(6,86
4/30/2019	Vanguard Investments Australia Ltd.	BUY	22.23	Ordinary	7,596	7,59
		BUY	22.18	Ordinary	975	97:
		BUY	22.17	Ordinary	10,943	10,94
5/1/2019		BUY	22.18	Ordinary	1,676	1,676
5/1/2019		BUY	22.17	Ordinary	18,823	18,82
5/1/2019		BUY	22.18	Ordinary	3,377	3,37
		BUY	22.17	Ordinary	37,875	37,87
	5-111-2-1	BUY SELL	22.06	Ordinary	6,378	6,378
5/10/2019		BUY	22.36	Ordinary	(1,737)	(1,73
5/10/2019		BUY	22.81	Ordinary	1,926	1,926
5/10/2019		BUY	22.81	Ordinary Ordinary	2,111	2,111
5/14/2019		SELL	22.63	Ordinary	5,697 (440)	5,697
5/14/2019		SELL	22.58	Ordinary	(12,229)	(440 (12,229
		SELL	22.58	Ordinary	(2,027)	(12,223
5/14/2019	Vanguard Investments Australia Ltd.	SELL	22.63	Ordinary	(71)	(71
	Vanguard investments Australia Ltd.	SELL	22.48	Ordinary	(2,690)	(2,690
		BUY	22,38	Ordinary	11,876	11,876
		BUY	22.45	Ordinary	470	470
		BUY	22.45	Ordinary	19,800	19,800
		BUY	22.45	Ordinary	6,330	6,330
5/21/2019		BUY	22.09	Ordinary	6,400	6,400
5/27/2019		BUY SELL	22.22	Ordinary	7,084	7,084
5/28/2019		BUY	21.30	Ordinary	(14,235)	(14,235
		BUY	20.94 20.67	Ordinary Ordinary	5,770	5,770
		SELL	20.23	Ordinary	38,276	38,276
		SELL	20.23	Ordinary	(12,614)	(12,614 (6,902
6/4/2019 \	/anguard Investments Australia Ltd.	BUY	20.41	Ordinary	76,272	76,272
6/4/2019 V	/anguard Investments Australia Ltd.	BUY	20.41	Ordinary	5,770	5,770
6/5/2019 \	/anguard investments Australia Ltd.	BUY	20.27	Ordinary	2,734	2,734
		BUY	20.65	Ordinary	1,540	1,540
		BUY	20.65	Ordinary	2,734	2,734
6/6/2019 V		BUY	20.65	Ordinary	6,924	6,924
6/7/2019 V		BUY	20.91	Ordinary	689	689
6/ // ZU19 V		BUY		Ordinary	35,095	35,095
6/11/2019/		ELL	3	Ordinary	(2,809)	(2,809
6/12/2019 V		BUY		Ordinary	4,101	4,101
		BUY		Ordinary Ordinary	20,882	20,882
		BUY		Ordinary Ordinary	2,734	2,734
6/18/2019\v		ELL	T	Ordinary	4,704 (37,610)	4,704
6/19/2019 V		ELL		Ordinary	(33,849)	(37,610)
6/20/2019\v		ELL		Ordinary	(33,849)	(33,849
6/20/2019\V	anguard Investments Australia Ltd. S	ELL	<del></del>	Ordinary	(30,464)	(7,889) (30,464)
6/21/2019\V	anguard Investments Australia Ltd. B	UY	<del></del>	Ordinary	3,000	3,000
6/21/2019 V	anguard Investments Australia Ltd. S	ELL	~ <del></del>	Ordinary	(1,929)	(1,929)
6/21/2019 V	anguard Investments Australia Ltd. B anguard Investments Australia Ltd. S	UY	20.39	Ordinary	9,347	9,347

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
	Vanguard Investments Australia Ltd.	BUY	20.39	Ordinary	4,098	4,098
	Vanguard Investments Australia Ltd.	BUY	20.39	Ordinary	3,528	3,528
	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	BUY	20.39	<del></del>	27,235	27,235
	Vanguard Investments Australia Ltd.	SELL BUY	20.15	Ordinary	(6,977)	(6,977
6/27/2019	Vanguard Investments Australia Ltd.	SELL	20.14	Ordinary Ordinary	3,477 (5,333)	3,477
	Vanguard Investments Australia Ltd.	BUY	20.12	Ordinary	4,644	(5,333 4,644
	Vanguard Investments Australia Ltd.	BUY	20.12	Ordinary	4,116	4,116
6/28/2019	Vanguard Investments Australia Ltd.	SELL	20.01	Ordinary	(13,763)	(13,763
7/2/2019	Vanguard Investments Australia Ltd.	BUY	20.44	Ordinary	3,441	3,441
	Vanguard Investments Australia Ltd.	BUY	20.44	Ordinary	7,020	7,020
	Vanguard Investments Australia Ltd.	BUY	20.55	Ordinary	6,882	6,882
7/8/2019	Vanguard Investments Australia Ltd.  Vanguard Investments Australia Ltd.	BUY	20.55	Ordinary	3,510	3,510
	Vanguard Investments Australia Ltd.	BUY BUY	20.28	Ordinary	3,510	3,510
····	Vanguard Investments Australia Ltd.	BUY	20.28	Ordinary Ordinary	10,147	10,147
···	Vanguard Investments Australia Ltd.	SELL	20.51	Ordinary	3,522 (2,923)	3,522
	Vanguard Investments Australia Ltd.	BUY	20.31	Ordinary	3,124	(2,923 3,124
	Vanguard Investments Australia Ltd.	BUY	20.31	Ordinary	13,794	13,794
7/15/2019	Vanguard Investments Australia Ltd.	BUY	20.22	Ordinary	3,441	3,441
	Vanguard Investments Australia Ltd.	SELL	20.28	Ordinary	(17,341)	(17,341
	Vanguard Investments Australia Ltd.	SELL	20.28	Ordinary	(17,684)	(17,684
	Vanguard Investments Australia Ltd.	BUY	20.35	Ordinary	8,094	8,094
	Vanguard Investments Australia Ltd.	BUY	20.35	Ordinary	4,854	4,854
	Vanguard Investments Australia Ltd.	BUY	20.47	Ordinary	7,056	7,056
7/15/2019	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	BUY SELL	20.47	Ordinary	8,853	8,853
	Vanguard investments Australia Ltd.  Vanguard Investments Australia Ltd.	SELL	20.59	Ordinary	(8,012)	(8,012)
	Vanguard Investments Australia Ltd.	SELL	20.22	Ordinary Ordinary	(2,810)	(2,810)
7/19/2019		BUY	20.72	Ordinary	(5,353) 7,877	(5,353) 7,877
	Vanguard Investments Australia Ltd.	SELL	20.70	Ordinary	(403,123)	(403,123)
	7-3-3-3	BUY	20.70	Ordinary	3,441	3,441
7/30/2019	Vanguard Investments Australia Ltd.	BUY	21.21	Ordinary	6,501	6,501
······		BUY	20.97	Ordinary	3,438	3,438
		SELL	20.44	Ordinary	(3,972)	(3,972)
8/6/2019		BUY	19.79	Ordinary	4,584	4,584
		BUY	19.79	Ordinary	5,364	5,364
		BUY BUY	19.79	Ordinary	5,364	5,364
		BUY	19.79	Ordinary	13,134	13,134
		BUY	20.00	Ordinary Ordinary	8,022 7,873	8,022 7,873
		BUY	19.08	Ordinary	6,545	6,545
		BUY	19.08	Ordinary	10,454	10,454
8/9/2019	Vanguard Investments Australia Ltd.	виу	19.25	Ordinary	8,315	8.315
8/12/2019	Vanguard Investments Australia Ltd.	BUY	19.02	Ordinary	6,545	6,545
77171747		BUY	19.07	Ordinary	1,562	1,562
		BUY	19.07	Ordinary	4,604	4,604
		BUY	19.07	Ordinary	14,325	14,325
		BUY	18.78	Ordinary	4,600	4,600
		BUY	19.01	Ordinary	9,590	9,590
		BUY SELL	18.92 19.01	Ordinary	11,302	11,302
		SELL	19.01	Ordinary Ordinary	(7,011) (41,347)	(7,011)
		SELL	19.01	Ordinary	(7,908)	(41,347) (7,908)
8/20/2019	Vanguard Investments Australia Ltd.	BUY	19.24	Ordinary	7,928	7,928
8/20/2019	Vanguard Investments Australia Ltd.	BUY	19.24	Ordinary	8,326	8,326
8/21/2019	Vanguard Investments Australia Ltd.	BUY	18.58	Ordinary	3,456	3,456
		BUY	18.57	Ordinary	8,518	8,518
		BUY	18.69	Ordinary	260,546	260,546
		BUY	18.69	Ordinary	8,489	8,489
		BUY	18.78	Ordinary	18,459	18,459
		BUY	18.92	Ordinary	3,468	3,468
		BUY BUY	18.96	Ordinary	18,630	18,630
		BUY		Ordinary	5,854	5,854
		BUY	19.08 19.11	Ordinary Ordinary	13,332 65,396	13,332 65,396
		BUY		Ordinary	8,974	8,974
		BUY		Ordinary	4,636	4,636
	/anguard Investments Australia Ltd.				1,000	-1000 F

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
9/5/2019	Vanguard Investments Australia Ltd.	BUY	19.02		13,868	13,868
9/5/2019	Vanguard Investments Australia Ltd.	BUY	19.02	<del></del>	14,369	14,369
9/6/2019	Vanguard Investments Australia Ltd.	SELL	18.90	Ordinary	(3,117)	
	Vanguard Investments Australia Ltd.	BUY	18.96	Ordinary	4,652	4,652
	Vanguard Investments Australia Ltd.	BUY	18.98		5,570	5,570
9/12/2019	Vanguard Investments Australia Ltd.	BUY	19.01	Ordinary	5,515	5,515
	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	SELL BUY	19.13	Ordinary	(2,816)	(2,816
	Vanguard Investments Australia Ltd.	SELL	18.98	<del> </del>	11,609	11,609
	Vanguard Investments Australia Ltd.	BUY	18.79 19.15	Ordinary Ordinary	(5,269)	(5,269
	Vanguard Investments Australia Ltd.	SELL	18.88	Ordinary	3,489 (27,584)	3,489
	Vanguard Investments Australia Ltd.	BUY	18.85	Ordinary	6,100	(27,584 6,100
	Vanguard Investments Australia Ltd.	виу	18.96	Ordinary	8,880	8,880
9/25/2019	Vanguard Investments Australia Ltd.	SELL	19.13	Ordinary	(5,303)	(5,30
	Vanguard Investments Australia Ltd.	BUY	19.13	Ordinary	8,316	8,316
	Vanguard Investments Australia Ltd.	BUY	19.09	Ordinary	4,640	4,640
	Vanguard Investments Australia Ltd.	BUY	19.09	Ordinary	8,120	8,120
	Vanguard Investments Australia Ltd.	BUY	19.09	Ordinary	7,152	7,152
	Vanguard Investments Australia Ltd.	BUY	19.21	Ordinary	5,905	5,905
	Vanguard Investments Australia Ltd.	SELL	19.16	Ordinary	(20,199)	(20,199
	Vanguard Investments Australia Ltd.	BUY	19.17	Ordinary	15,249	15,249
·····	Vanguard Investments Australia Ltd. Vanguard Investments Australia Ltd.	BUY BUY	19.17	Ordinary	7,882	7,882
**	Vanguard Investments Australia Ltd.	SELL	19.16	Ordinary	11,248	11,248
	Vanguard Investments Australia Ltd.	BUY	19.16 19.00	Ordinary Ordinary	(14,208)	(14,208
	Vanguard Investments Australia Ltd.	BUY	18.97	Ordinary	7,920 6,852	7,920 6,852
	Vanguard Investments Australia Ltd.	BUY	19.02	Ordinary	5,003	5,003
	Vanguard Investments Australia Ltd.	BUY	19.02	Ordinary	10,559	10,559
	Vanguard Investments Australia Ltd.	BUY	19.02	Ordinary	10,115	10,115
10/9/2019	Vanguard Investments Australia Ltd.	виу	19.19	Ordinary	5,705	5,705
		BUY	19.26	Ordinary	3,100	3,100
		BUY	19.26	Ordinary	4,760	4,760
		SELL	19.18	Ordinary	(5,192)	(5,192
		BUY	19.34	Ordinary	6,299	6,299
		BUY	19.34	Ordinary	4,564	4,564
	71111111	BUY BUY	19.13	Ordinary	3,423	3,423
		BUY	19.13 19.18	Ordinary Ordinary	5,980	5,980
		BUY	19.25	Ordinary	13,617 6,204	13,617 6,204
		BUY	19.46	Ordinary	5,990	5,990
		BUY	19.46	Ordinary	10,445	10,445
		BUY	19.51	Ordinary	5,887	5,887
		BUY	19.51	Ordinary	4,041	4.041
		BUY	19.61	Ordinary	6,689	6,689
		BUY	19.71	Ordinary	5,980	5,980
		BUY	19.51	Ordinary	3,423	3,423
		BUY	19.51	Ordinary	4,564	4,564
~~~~~		BUY	19.50	Ordinary	10,404	10,404
		BUY	19.78	Ordinary	10,290	10,290
		SELL	19.78	Ordinary	(7,188)	(7,188)
		BUY BUY	19.78		14,376	14,376
		SELL	19.79 19.70	Ordinary Ordinary	29,757	29,757
		SELL	19.70	Ordinary	(79,659)	(79,659)
		BUY	19.71	Ordinary	(14,132)	(14,132) 3,423
11/1/2019	Vanguard Investments Australia Ltd.	BUY	19.71	Ordinary	4,564	3,423 4,564
11/1/2019	Vanguard Investments Australia Ltd.	BUY	19.71	Ordinary	9,004	9,004
11/4/2019	Vanguard Investments Australia Ltd.	SELL.	19.64	Ordinary	(106,880)	(106,880)
11/4/2019	Vanguard Investments Australia Ltd.	BUY	19.67	Ordinary	14,044	14,044
11/5/2019	Vanguard Investments Australia Ltd.	SELL	19.66	Ordinary	(25,116)	(25,116)
		BUY	19.66	Ordinary	4,564	4,564
		BUY	19.66	Ordinary	7,176	7,176
		BUY	19.63	Ordinary	9,289	9,289
		BUY	19.94	Ordinary	5,340	5,340
		SELL	19.95	Ordinary	(10,963)	(10,963)
		SELL	19.95	Ordinary	(11,947)	(11,947)
		BUY		Ordinary	4,556	4,556
		BUY		Ordinary	3,620	3,620
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### Annexure A

	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes
	Vanguard Investments Australia Ltd.	SELL	20.02	Ordinary	(2,505)	(2,505
	Vanguard Investments Australia Ltd.	BUY	20.02	Ordinary	3,435	3,435
11/12/2019	Vanguard Investments Australia Ltd.	BUY	20.02	Ordinary	6,556	6,556
11/13/2019	Vanguard Investments Australia Ltd.	BUY	19.86	Ordinary	1,788	1,788
11/14/2019	Vanguard Investments Australia Ltd.	BUY	19.98	Ordinary	12,008	12,008
11/14/2019	Vanguard Investments Australia Ltd.	BUY	19.98	Ordinary	1,560	1,560
11/15/2019	Vanguard Investments Australia Ltd.	виу	20.13	Ordinary	4,592	4,592
11/19/2019	Vanguard Investments Australia Ltd.	SELL	20.25	Ordinary	(1,249)	
11/19/2019	Vanguard Investments Australia Ltd.	BUY	20.25	Ordinary	7,735	7,735
11/20/2019	Vanguard Investments Australia Ltd.	SELL	19.98	Ordinary	(49,469)	
11/20/2019	Vanguard Investments Australia Ltd.	BUY	19.98	Ordinary	4,172	4,172
11/21/2019	Vanguard Investments Australia Ltd.	BUY	19.81	Ordinary	4,592	4,592
11/21/2019	Vanguard Investments Australia Ltd.	BUY	19.81	Ordinary	12,516	12,516
11/22/2019	Vanguard Investments Australia Ltd.	BUY	19.89	Ordinary	2,340	2,340
11/22/2019	Vanguard Investments Australia Ltd.	BUY	19.89	Ordinary	3,444	3,444
11/22/2019	Vanguard Investments Australia Ltd.	BUY	19.89	Ordinary	18.663	18,663

This is Annexure A of 15 pages referred to in Form 604, Notice o	f change of interests of substantial holder.
Signature:	
Name: Keith Delgado	
Capacity: Compliance Manager	
Date: 26 November 2019	