Form 604

Corporations Act 2001 Section 671B

Notice of change of interests of substantial holder

<u>To</u> Company Name/Scheme ACN/ARSN	QBE Insurance Group Limited 008 485 014	
Details of substantial holder (1) Name ACN/ARSN (if applicable)	Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those listed in Annexure A) N/A	
There was a change in the interests of the substantial holder on	17 May 2019*	
	the calculation of its substantial holding to include the relevant interests of separate Vanguard mutual funds and naged by an external investment advisor. This is the date on which Vanguard updated the calculation.	
The previous notice was given to the comp	any on <u>25 June 2018</u>	
The previous notice was dated	25 June 2018	
2. Previous and present voting power		
	ne voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) hand when now required, to give a substantial holding notice to the company or scheme, are as follows:	ad a

Class of securities (4)	Previous notice		Present notice	
1	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary	67,814,545	5.0005%	80,289,148	6.059%

3. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected		
See Annexure A							

4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
Vanguard Group	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 – 41,071,047	41,071,047
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 – 3,434,183	3,434,183
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 – 3,865,966	3,865,966
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 – 18,586	18,586
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 – 9,903,693	9,903,693

Vanguard Group	Various others	Various funds and other	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the	Ordinary – 21,995,673	21,995,673
		accounts of Vanguard Group	shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,

5. Changes in association

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

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

6. Addresses

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

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

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print name Stugues Ack

capacity

date

24 May 2019

To Company QBE Insurance Group Limited

ACN/ARSN 008 485 014

Substantial Holder Name Vanguard Group

ACN/ARSN N/A

Consideration 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 The Vanguard Group, Inc. Ordinary (2,281) (2,281)SELL 9.64 22-Jun-18 (5,021)(5,021)25-Jun-18 The Vanguard Group, Inc. SELL 9.62 Ordinary BUY 9.59 Ordinary 83,406 83,406 26-Jun-18 The Vanguard Group, Inc. The Vanguard Group, Inc. SELL 9.55 Ordinary (1,272)(1,272)27-Jun-18 32,383 32,383 RUY 9.74 Ordinary 29-Jun-18 The Vanguard Group, Inc. 71,187 71,187 The Vanguard Group, Inc. BUY 9.74 Ordinary 29-lun-18 9.86 3,005 3,005 3-Jul-18 The Vanguard Group, Inc. BUY Ordinary BUY 9.78 Ordinary 78,925 78,925 4-Jul-18 The Vanguard Group, Inc. 4-Jul-18 The Vanguard Group, Inc. BUY 9.79 Ordinary 9,661 9,661 9.78 Ordinary 103,965 103,965 BUY 5-Jul-18 The Vanguard Group, Inc. 7,212 6-Jul-18 The Vanguard Group, Inc. BUY 9.83 Ordinary 7,212 7,874 BUY 9.80 7.874 The Vanguard Group, Inc. Ordinary 6-Jul-18 (6,684)12-Jul-18 The Vanguard Group, Inc. SELL 9.80 Ordinary (6,684)(691) (691) The Vanguard Group, Inc. SELL 9.79 Ordinary 12-Jul-18 SELL Ordinary (21,779) (21,779)The Vanguard Group, Inc. 9.78 12-Jul-18 The Vanguard Group, Inc. SELL 9.78 Ordinary (4,596)(4,596)13-Jul-18 13,686 BUY 9.84 13,686 17-Jul-18 The Vanguard Group, Inc. Ordinary The Vanguard Group, Inc. BUY 9.82 Ordinary 793 793 17-Jul-18 726 The Vanguard Group, Inc. BUY 9.87 Ordinary 726 18-Jul-18 The Vanguard Group, Inc. BUY 9,89 68,755 68,755 Ordinary 19-Jul-18 BUY 9.85 864 864 The Vanguard Group, Inc. Ordinary 19-Jul-18 6,010 6,010 9.86 RUY Ordinary 20-Jul-18 The Vanguard Group, Inc. The Vanguard Group, Inc. SELL 9.97 Ordinary (5,629)(5,629)20-Jul-18 (13,757)20-Jul-18 The Vanguard Group, Inc. SELL 9.89 Ordinary (13,757)BUY 9.89 8,770 8,770 Ordinary The Vanguard Group, Inc. 20-Jul-18 SELL 9.90 Ordinary (3,933)(3,933)23-Jul-18 The Vanguard Group, Inc. Ordinary (591)(591)SELL 9.94 24-Jul-18 The Vanguard Group, Inc. 10.04 864 864 24-Jul-18 The Vanguard Group, Inc. BUY Ordinary (2,622) (2,622)SELL 10.03 The Vanguard Group, Inc. Ordinary 25-Jul-18 SELL. 10.03 Ordinary (3,933)(3,933)25-Jul-18 The Vanguard Group, Inc 25-Jul-18 The Vanguard Group, Inc. SELL 10.03 Ordinary (19.665)(19,665)10.01 Ordinary (1,052) (1,052)SELL 25-Jul-18 The Vanguard Group, Inc SELL (7,265)(7,265)27-Jul-18 The Vanguard Group, Inc. 10.11 Ordinary (6,608) (6,608)The Vanguard Group, Inc. SFII 10.12 Ordinary 30-Jul-18 114,310 BUY 10,22 Ordinary 114,310 The Vanguard Group, Inc. 1-Aug-18 The Vanguard Group, Inc. SELL 10.09 Ordinary (532)(532)1-Aug-18 SELL 10,39 Ordinary (13,110) (13,110)The Vanguard Group, Inc. 2-Aug-18 The Vanguard Group, Inc. SELL 10.34 Ordinary (4,232)(4,232)3-Aug-18 1,139 1,139 BUY 10.34 Ordinary 3-Aug-18 The Vanguard Group, Inc. The Vanguard Group, Inc. SELL 10.29 Ordinary (31.464)(31,464) 10-Aug-18 (24,432)(24,432)The Vanguard Group, Inc. SELL 10.28 Ordinary 10-Aug-18 BUY 10.24 Ordinary 3,555 3,555 The Vanguard Group, Inc. 13-Aug-18 BUY 10.26 Ordinary 70,300 70,300 14-Aug-18 The Vanguard Group, Inc. SELL 10.17 (15,732)(15,732) Ordinary 15-Aug-18 The Vanguard Group, Inc. The Vanguard Group, Inc. BUY 10.20 Ordinary 67,775 67,775 15-Aug-18 27.158 27,158 The Vanguard Group, Inc. BUY 10.20 Ordinary 15-Aug-18 BUY 10.62 Ordinary 67,549 67,549 The Vanguard Group, Inc. 16-Aug-18 BUY 10.91 Ordinary 2,736 2,736 The Vanguard Group, Inc. 16-Aug-18 Ordinary (28, 151)16-Aug-18 The Vanguard Group, Inc. SELL 10.89 (28,151)4,207 4,207 17-Aug-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 11,818 The Vanguard Group, Inc. BUY 10.99 Ordinary 11,818 17-Aug-18 BUY 10.90 Ordinary 1,073 1,073 The Vanguard Group, Inc. 21-Aug-18 The Vanguard Group, Inc. BUY 10,90 Ordinary 1,030 1,030 21-Aug-18 62,786 BUY 10.85 Ordinary 62,786 22-Aug-18 The Vanguard Group, Inc. 22-Aug-18 The Vanguard Group, Inc. SELL 10.85 Ordinary (22,219) (22,219)(76,363)The Vanguard Group, Inc. SELL 10.70 Ordinary (76.363)23-Aug-18 The Vanguard Group, Inc. BUY 10.76 Ordinary 6,611 6,611 24-Aug-18 864 BUY 11.00 Ordinary 864 28-Aug-18 The Vanguard Group, Inc. SELL 11.10 Ordinary (488) (488) 30-Aug-18 The Vanguard Group, Inc. SELL 11.03 (9,151)(9,151)31-Aug-18 The Vanguard Group, Inc. Ordinary (783) (783) 5-Sep-18 10.99 Ordinary The Vanguard Group, Inc. SELL

11.07

Ordinary

SELL

The Vanguard Group, Inc.

5-Sep-18

(22,409)

(22,409)

Date of change				Consideration			
5.65 18			Nature of	given in relation	ļ.,	I.	
Sep-18							affected (1,156)
2569-18							103,076
7.58p-1.8 The Vanguard Group, Inc. 8UY 10.95 Ordinary 6,884 10.58p-1.8 The Vanguard Group, Inc. 8UV 10.95 Ordinary 132,498 10.58p-1.8 The Vanguard Group, Inc. 8UL 10.91 Ordinary 1,991 12.58p-1.8 The Vanguard Group, Inc. 8UV 10.92 Ordinary 1,991 12.58p-1.8 The Vanguard Group, Inc. 8UV 10.92 Ordinary 1,0026 12.58p-1.8 The Vanguard Group, Inc. 8UV 10.92 Ordinary 10,026 12.58p-1.8 The Vanguard Group, Inc. 8UV 11.09 Ordinary 16,755 12.58p-1.8 The Vanguard Group, Inc. 8UV 11.05 Ordinary 11,277 18.58p-1.8 The Vanguard Group, Inc. 8UV 11.05 Ordinary 11,277 18.58p-1.8 The Vanguard Group, Inc. 8UV 11.06 Ordinary 11,277 18.58p-1.8 The Vanguard Group, Inc. 8UV 11.06 Ordinary 13,0873 12.58p-1.8 The Vanguard Group, Inc. 8UV 11.04 Ordinary 13,0873 12.58p-1.8 The Vanguard Group, Inc. 8UU 11.04 Ordinary 13,0873 12.58p-1.8 The Vanguard Group, Inc. 8UV 11.08 Ordinary 13,064 25.58p-1.8 The Vanguard Group, Inc. 8UV 11.08 Ordinary 13,064 25.58p-1.8 The Vanguard Group, Inc. 8UV 11.08 Ordinary 13,064 25.59p-1.8 The Vanguard Group, Inc. 8UV 11.08 Ordinary 6,532 25.59p-1.8 The Vanguard Group, Inc. 8UV 11.08 Ordinary 6,532 25.59p-1.8 The Vanguard Group, Inc. 8UV 11.09 Ordinary 6,532 20.59p-1.8 The Vanguard Group, Inc. 8UV 11.09 Ordinary 6,532 20.59p-1.8 The Vanguard Group, Inc. 8UV 11.09 Ordinary 6,532 20.59p-1.8 The Vanguard Group, Inc. 8UV 11.09 Ordinary 6,532 20.59p-1.8 The Vanguard Group, Inc. 8UV 11.09 Ordinary 6,732 20.59p-1.8 The Vanguard Group, Inc. 8UV 11.09 Ordinary 6,732 20.59p-1.8 The Vanguard Group, Inc. 8UV 11.09 Ordinary 6,732 20.59p-1.8 The Vanguard Group, Inc. 8UV 11.09 Ordinary 6,733 20.59p-1.8 The Vanguard Group, Inc. 8UV 11.15 Ordinary 6,735 20.59p-1.8 The Vanguard Group, Inc. 8UV 11.15 Ord							19,575
Toping							6,684
15-Sep-18 The Vanguard Group, Inc. SELL 10-91 Ordinary 1,324,991 12-Sep-18 The Vanguard Group, Inc. 8UV 10-92 Ordinary 1,991 12-Sep-18 The Vanguard Group, Inc. 8UV 10-92 Ordinary 1,0205 12-Sep-18 The Vanguard Group, Inc. 8UV 10-92 Ordinary 0,555 12-Sep-18 The Vanguard Group, Inc. 8UV 11-09 Ordinary 0,755 12-Sep-18 The Vanguard Group, Inc. 8UV 11-09 Ordinary 1,275 13-Sep-18 The Vanguard Group, Inc. 8UV 11-09 Ordinary 1,275 13-Sep-18 The Vanguard Group, Inc. 8UV 11-10 Ordinary 1,275 13-Sep-18 The Vanguard Group, Inc. 8UV 11-10 Ordinary 13,0873 12-Sep-18 The Vanguard Group, Inc. 8UV 11-10 Ordinary 13,0873 12-Sep-18 The Vanguard Group, Inc. SELL 10-95 Ordinary 13,0873 12-Sep-18 The Vanguard Group, Inc. SELL 10-95 Ordinary 13,064 22-Sep-18 The Vanguard Group, Inc. 8UV 11-08 Ordinary 13,064 22-Sep-18 The Vanguard Group, Inc. 8UV 11-08 Ordinary 13,064 22-Sep-18 The Vanguard Group, Inc. 8UV 11-08 Ordinary 13,064 22-Sep-18 The Vanguard Group, Inc. 8UV 11-08 Ordinary 16,330 22-Sep-18 The Vanguard Group, Inc. 8UV 11-08 Ordinary 16,330 22-Sep-18 The Vanguard Group, Inc. 8UV 11-08 Ordinary 16,330 22-Sep-18 The Vanguard Group, Inc. 8UV 11-09 Ordinary 6,532 20-t-18 The Vanguard Group, Inc. 8UV 11-09 Ordinary 6,532 20-t-18 The Vanguard Group, Inc. 8UV 11-09 Ordinary 6,532 20-t-18 The Vanguard Group, Inc. 8UV 11-09 Ordinary 6,532 20-t-18 The Vanguard Group, Inc. 8UV 11-09 Ordinary 6,532 20-t-18 The Vanguard Group, Inc. 8UV 11-09 Ordinary 6,533 20-t-18 The Vanguard Group, Inc. 8UV 11-09 Ordinary 6,533 20-t-18 The Vanguard Group, Inc. 8UV 11-10 Ordinary 6,788 20-t-18 The Vanguard Group, Inc. 8UV 11-10 Ordinary 6,788 20-t-18 The Vanguard Group, Inc. 8UV 11-10 Ordinary 12,770 20-t-18 The Vanguard G							687
10.58ep-18 The Vanguard Group, Inc. BUY 10.99 Ordinary 1.0261					 		(132,498)
12.58ep-18				10.93	Ordinary	 	1,991
12-5ep-18			BUY	10.92	Ordinary	10,026	10,026
13-5ep-18	12-Sep-18	The Vanguard Group, Inc.	SELL	10.90	Ordinary	(555)	(555)
18-5ep-18	12-Sep-18	The Vanguard Group, Inc.		10.93	Ordinary		(87,426)
15-5ep-18	17-Sep-18	The Vanguard Group, Inc.					11,177
21-Sep-18					<u> </u>		1,255
21-Sep-18 The Vanguard Group, Inc. SELL 10.95 Ordinary (24.091)							130,873
26-56-18				_			(55,524)
26-56p-18							(24,091) 13,064
26-56p-18				_			16,330
29.5ep.18							6,532
1-0ct-18							753
2-0ct-18							9,798
2-Oct-18							26,128
2-0ct-18			_			·	(522)
3-Oct-18							(4,485)
8-0ct-18 The Vanguard Group, Inc. BUY 11.52 Ordinary 24.258 9-0ct-18 The Vanguard Group, Inc. BUY 11.54 Ordinary 81.595 9-0ct-18 The Vanguard Group, Inc. BUY 11.57 Ordinary 20,060 11-0ct-18 The Vanguard Group, Inc. BUY 11.57 Ordinary 7,782 15-0ct-18 The Vanguard Group, Inc. BUY 11.20 Ordinary 7,782 15-0ct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 12.970 16-0ct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 87,635 16-0ct-18 The Vanguard Group, Inc. SELL 11.22 Ordinary 15.55 16-0ct-18 The Vanguard Group, Inc. SELL 11.22 Ordinary 15.55 16-0ct-18 The Vanguard Group, Inc. SELL 11.29 Ordinary (793) 18-0ct-18 The Vanguard Group, Inc. BUY 11.49 Ordinary 618 19-0ct-18 The Vanguard Group, Inc. BUY 11.49 Ordinary 618 19-0ct-18 The Vanguard Group, Inc. BUY 11.49 Ordinary 618 19-0ct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary 7,782 19-0ct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary 7,782 19-0ct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary 7,782 19-0ct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary 8,469 12-0ct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary 8,469 12-0ct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary 8,469 12-0ct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary 8,469 12-0ct-18 The Vanguard Group, Inc. BUY 11.40 Ordinary 8,165 12-0ct-18 The Vanguard Group, Inc. BUY 11.40 Ordinary 8,165 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 8,362 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 8,362 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 8,362 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 8,362 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 8,362 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 8,362 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 1,280 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 1,280 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 1,280 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 1,280 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 1,280 12-0ct-18 The Vanguard Group, Inc. BUY 11.00 Ordinary 1,269 11.10 O		The Vanguard Group, Inc.	BUY	11.05	Ordinary	9,798	9,798
9-Oct-18 The Vanguard Group, Inc. BUY 11.54 Ordinary 20,060 11-Oct-18 The Vanguard Group, Inc. BUY 11.57 Ordinary 20,060 11-Oct-18 The Vanguard Group, Inc. BUY 11.27 Ordinary 7,782 15-Oct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 12,970 16-Oct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 87,635 18-Oct-18 The Vanguard Group, Inc. SELL 11.22 Ordinary (555) 18-Oct-18 The Vanguard Group, Inc. SELL 11.22 Ordinary (793) 18-Oct-18 The Vanguard Group, Inc. SELL 11.59 Ordinary (793) 18-Oct-18 The Vanguard Group, Inc. BUY 11.49 Ordinary (793) 18-Oct-18 The Vanguard Group, Inc. BUY 11.49 Ordinary (793) 19-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (793) 19-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (798) 19-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (798) 24-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (798) 24-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (798) 24-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (798) 24-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (798) 24-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (798) 25-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (798) 25-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.92 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.92 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.92 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.92 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.92 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.93 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.94 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.93 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.94 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.94 Ordinary (798) 26-Oct-18 The Vanguard Group, Inc. BUY 10.94 Ordinary (798) 27-Oct-18 The Vanguard Group, Inc. BUY 10.94 Ordinary (799) 28-Oct-18 The Vanguard Group, Inc. BUY 10.94 Ordinary (799)		The Vanguard Group, Inc.	BUY	11.05	Ordinary	7,080	7,080
9-Oct-18 The Vanguard Group, Inc. BUY 11-57 Ordinary 7,782 11-50-ct-18 The Vanguard Group, Inc. BUY 11.127 Ordinary 7,782 11-50-ct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 12,970 16-Oct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 12,970 16-Oct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 12,970 16-Oct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 15:55) 18-Oct-18 The Vanguard Group, Inc. BUY 11.159 Ordinary 18-Oct-18 The Vanguard Group, Inc. BUY 11.159 Ordinary 11.169 Ordinary	8-Oct-18	The Vanguard Group, Inc.	BUY	11.52	Ordinary	24,258	24,258
11-Oct-18 The Vanguard Group, Inc. BUY 11.27 Ordinary 12,970 15-Oct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 12,970 11.50 15-Oct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 12,970 11.50 15-Oct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 12,970 15-Oct-18 The Vanguard Group, Inc. SELL 11.22 Ordinary (555) 18-Oct-18 The Vanguard Group, Inc. BUY 11.49 Ordinary 11.59 Ordinary 11.59 Ordinary 11.50 Ordi	9-Oct-18	The Vanguard Group, Inc.				·	81,595
15-Oct-18 The Vanguard Group, Inc. BUY 11.10 Ordinary 12,970 16-Oct-18 The Vanguard Group, Inc. BUY 11.30 Ordinary 87,635 The Group Inc. SELL 11.22 Ordinary (555) 18-Oct-18 The Vanguard Group, Inc. SELL 11.29 Ordinary (793) 18-Oct-18 The Vanguard Group, Inc. BUY 11.59 Ordinary (793) 18-Oct-18 The Vanguard Group, Inc. BUY 11.59 Ordinary (793) 18-Oct-18 The Vanguard Group, Inc. BUY 11.50 Ordinary (793) 18-Oct-18 The Vanguard Group, Inc. BUY 11.56 Ordinary (793) 19-Oct-18 The Vanguard Group, Inc. BUY 11.56 Ordinary (793) 19-Oct-18 The Vanguard Group, Inc. BUY 11.56 Ordinary (793) 19-Oct-18 The Vanguard Group, Inc. BUY 11.56 Ordinary (704) 11.56 Ordinary (705) 11.56 Ordinary (705) 11.56 Ordinary (706) 11.56 Ordinary (706) 11.56 Ordinary (706) 11.56 Ordinary (706) 11.56 Ordinary (707) 11.57 Ordinary (707) 11.58 Ordinary (707) 11.58 Ordinary (707) 11.59 Ordinary (707) 11.59 Ordinary (707) 11.50 Ordinary (708) 11.50 Ordinary (9-Oct-18	The Vanguard Group, Inc.					20,060
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1-Nov-18 The Vanguard Group, Inc. SELL 11.26 Ordinary (88,864) 2-Nov-18 The Vanguard Group, Inc. SELL 11.30 Ordinary (30,492) 5-Nov-18 The Vanguard Group, Inc. SELL 11.28 Ordinary (10,198) 7-Nov-18 The Vanguard Group, Inc. BUY 11.35 Ordinary 13,064 7-Nov-18 The Vanguard Group, Inc. BUY 11.19 Ordinary 2,329 9-Nov-18 The Vanguard Group, Inc. BUY 11.49 Ordinary 82,969 9-Nov-18 The Vanguard Group, Inc. BUY 11.49 Ordinary 44,681 9-Nov-18 The Vanguard Group, Inc. BUY 11.49 Ordinary 1,418 9-Nov-18 The Vanguard Group, Inc. BUY 11.49 Ordinary 1,418 12-Nov-18 The Vanguard Group, Inc. BUY 11.47 Ordinary 9,798 13-Nov-18 The Vanguard Group, Inc. BUY 11.48 Ordinary 5,572 14-Nov-18 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>11,431 16,330</td></td<>							11,431 16,330
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9-Nov-18 The Vanguard Group, Inc. SELL 11.49 Ordinary (2,647) 12-Nov-18 The Vanguard Group, Inc. BUY 11.47 Ordinary 9,798 13-Nov-18 The Vanguard Group, Inc. BUY 11.45 Ordinary 2,916 13-Nov-18 The Vanguard Group, Inc. BUY 11.48 Ordinary 5,572 14-Nov-18 The Vanguard Group, Inc. BUY 11.24 Ordinary 13,064 14-Nov-18 The Vanguard Group, Inc. BUY 11.24 Ordinary 9,798 15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 8,496 15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 1,794			BUY	11.49	Ordinary	1,418	1,418
12-Nov-18 The Vanguard Group, Inc. BUY 11.47 Ordinary 9,798 13-Nov-18 The Vanguard Group, Inc. BUY 11.45 Ordinary 2,916 13-Nov-18 The Vanguard Group, Inc. BUY 11.48 Ordinary 5,572 14-Nov-18 The Vanguard Group, Inc. BUY 11.24 Ordinary 13,064 14-Nov-18 The Vanguard Group, Inc. BUY 11.24 Ordinary 9,798 15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 3,496 15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 1,794		The Vanguard Group, Inc.	SELL	11.49	Ordinary	(2,647)	(2,647)
13-Nov-18 The Vanguard Group, Inc. BUY 11.48 Ordinary 5,572 14-Nov-18 The Vanguard Group, Inc. BUY 11.24 Ordinary 13,064 14-Nov-18 The Vanguard Group, Inc. BUY 11.24 Ordinary 9,798 15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 8,496 15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 1,794	12-Nov-18	The Vanguard Group, Inc.			 		9,798
14-Nov-18 The Vanguard Group, Inc. BUY 11.24 Ordinary 13,064 14-Nov-18 The Vanguard Group, Inc. BUY 11.24 Ordinary 9,798 15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 8,496 15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 1,794	13-Nov-18		_			· · · · · · · · · · · · · · · · · · ·	2,916
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15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 8,496 15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 1,794			_				13,064
15-Nov-18 The Vanguard Group, Inc. BUY 11.39 Ordinary 1,794					· · · · · · · · · · · · · · · · · · ·		9,798
							8,496
115-Nov-18 IThe Vanguard Group Inc. IRUY I 11 37 I Ordinary I 3 746 I							1,794
	15-Nov-18	The Vanguard Group, Inc.	BUY				3,746
16-Nov-18 The Vanguard Group, Inc. BUY 11.41 Ordinary 88,105 20-Nov-18 The Vanguard Group, Inc. BUY 11.40 Ordinary 1,465					· · · · · · · · · · · · · · · · · · ·		88,105 1,465

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
21-Nov-18	The Vanguard Group, Inc.	BUY	11.47	Ordinary	13,064	13,064
28-Nov-18	The Vanguard Group, Inc.	BUY	11.57	Ordinary	1,297	1,297
28-Nov-18	The Vanguard Group, Inc.	BUY	11.57	Ordinary	7,782	7,782
28-Nov-18	The Vanguard Group, Inc.	BUY	11.57	Ordinary	8,165	8,165
28-Nov-18	The Vanguard Group, Inc.	BUY	11.57	Ordinary	8,260	8,260
30-Nov-18	The Vanguard Group, Inc.	BUY	11.36	Ordinary	587	587
30-Nov-18	The Vanguard Group, Inc.	SELL	11.32	Ordinary	(57,280)	(57,280)
3-Dec-18	The Vanguard Group, Inc.	BUY	11.53	Ordinary	1,174	1,174
4-Dec-18	The Vanguard Group, Inc.	BUY	11.24	Ordinary	8,496	8,496
4-Dec-18	The Vanguard Group, Inc.	BUY	11.24	Ordinary	13,064	13,064
4-Dec-18	The Vanguard Group, Inc.	BUY	11.37	Ordinary	13,596	13,596
5-Dec-18	The Vanguard Group, Inc.	BUY	10.96	Ordinary	198,999	198,999
5-Dec-18	The Vanguard Group, Inc.	BUY	10.82	Ordinary	114,744	114,744
5-Dec-18	The Vanguard Group, Inc.	BUY	10.83	Ordinary	6,717	6,717
6-Dec-18	The Vanguard Group, Inc.	BUY	10.88	Ordinary	6,372	6,372
6-Dec-18	The Vanguard Group, Inc.	BUY SELL	10.84	Ordinary	9,067	9,067 (1,278)
6-Dec-18	The Vanguard Group, Inc.	BUY	10.69	Ordinary Ordinary	(1,278) 5,584	5,584
7-Dec-18	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	10.60	Ordinary	11,431	11,431
7-Dec-18	The Vanguard Group, Inc.	BUY	10.60	Ordinary	13,064	13,064
7-Dec-18 10-Dec-18	The Vanguard Group, Inc.	BUY	10.47	Ordinary	21,831	21,831
10-Dec-18	The Vanguard Group, Inc.	BUY	10.39	Ordinary	7,201	7,201
11-Dec-18	The Vanguard Group, Inc.	BUY	9.86	Ordinary	66,983	66,983
11-Dec-18	The Vanguard Group, Inc.	BUY	9,93	Ordinary	13,064	13,064
11-Dec-18	The Vanguard Group, Inc.	BUY	9.93	Ordinary	9,798	9,798
12-Dec-18	The Vanguard Group, Inc.	BUY	10.25	Ordinary	27,761	27,761
12-Dec-18	The Vanguard Group, Inc.	BUY	10.25	Ordinary	9,798	9,798
12-Dec-18	The Vanguard Group, Inc.	BUY	10.25	Ordinary	9,798	9,798
12-Dec-18	The Vanguard Group, Inc.	SELL	9.97	Ordinary	(1,343)	(1,343)
12-Dec-18	The Vanguard Group, Inc.	BUY	10.25	Ordinary	4,720	4,720
13-Dec-18	The Vanguard Group, Inc.	BUY	10.18	Ordinary	8,260	8,260
13-Dec-18	The Vanguard Group, Inc.	BUY	10.18	Ordinary	1,794	1,794
13-Dec-18	The Vanguard Group, Inc.	BUY	10.20	Ordinary	877	877
13-Dec-18	The Vanguard Group, Inc.	BUY	10.20	Ordinary	222	222
14-Dec-18	The Vanguard Group, Inc.	BUY	10,10	Ordinary	9,798	9,798
14-Dec-18	The Vanguard Group, Inc.	BUY	10.10	Ordinary	3,540	3,540
14-Dec-18	The Vanguard Group, Inc.	BUY	10.20	Ordinary	1,451	1,451
14-Dec-18	The Vanguard Group, Inc.	SELL	10.14	Ordinary	(988)	(988)
17-Dec-18	The Vanguard Group, Inc.	BUY	10.18	Ordinary	19,596	19,596
17-Dec-18	The Vanguard Group, Inc.	BUY	10.18	Ordinary	11,800	11,800
17-Dec-18	The Vanguard Group, inc.	SELL	10.27	Ordinary	(17,668)	(17,668)
20-Dec-18	The Vanguard Group, Inc.	BUY	9.68	Ordinary	13,064	13,064
20-Dec-18	The Vanguard Group, Inc.	SELL	9.75	Ordinary	(49,065)	(49,065) 10,384
20-Dec-18	The Vanguard Group, Inc.		9.75	Ordinary Ordinary	10,384 (49,337)	(49,337)
21-Dec-18	The Vanguard Group, Inc.	SELL	9.75 9.75	Ordinary	(525,815)	(525,815)
21-Dec-18 21-Dec-18	The Vanguard Group, Inc.	SELL	9.75	Ordinary	(176,797)	(176,797)
21-Dec-18 21-Dec-18	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL	9.76	Ordinary	(819)	(819)
21-Dec-18 21-Dec-18	The Vanguard Group, Inc.	SELL	9.75	Ordinary	(67,832)	(67,832)
21-Dec-18	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL	9.75	Ordinary	(4,470)	(4,470)
21-Dec-18	The Vanguard Group, Inc.	SELL.	9.76	Ordinary	(14,292)	(14,292)
21-Dec-18	The Vanguard Group, Inc.	SELL	9.75	Ordinary	(3,052)	(3,052)
21-Dec-18	The Vanguard Group, Inc.	SELL	9.75	Ordinary	(1,404)	(1,404)
21-Dec-18	The Vanguard Group, Inc.	SELL	9.75	Ordinary	(294)	(294)
21-Dec-18	The Vanguard Group, Inc.	SELL	9.75	Ordinary	(7,938)	(7,938)
24-Dec-18	The Vanguard Group, Inc.	BUY	9.79	Ordinary	17,168	17,168
24-Dec-18	The Vanguard Group, Inc.	BUY	9.79	Ordinary	10,730	10,730
26-Dec-18	The Vanguard Group, Inc.	BUY	10.05	Ordinary	6,438	6,438
27-Dec-18	The Vanguard Group, Inc.	BUY	10.03	Ordinary	2,535	2,535
27-Dec-18	The Vanguard Group, Inc.	BUY	10.03	Ordinary	16,095	16,095
27-Dec-18	The Vanguard Group, Inc.	BUY	10.03	Ordinary	5,365	5,365
27-Dec-18	The Vanguard Group, Inc.	BUY	10.03	Ordinary	3,219	3,219
27-Dec-18	The Vanguard Group, Inc.	BUY	10.03	Ordinary	1,174	1,174
28-Dec-18	The Vanguard Group, Inc.	BUY	10.01	Ordinary	32,958	32,958
31-Dec-18	The Vanguard Group, Inc.	BUY	10,11	Ordinary	12,168	12,168
2-Jan-19	The Vanguard Group, Inc.	BUY	9.93	Ordinary	3,549	3,549
2-Jan-19	The Vanguard Group, Inc.	BUY	9,93	Ordinary	9,126	9,126
2-Jan-19	The Vanguard Group, Inc.	BUY	10.09	Ordinary	1,583	1,583
2-Jan-19	The Vanguard Group, Inc.	BUY	9,93	Ordinary	7,511	7,511

Data of shange	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities	Person's votes
Date of change 2-Jan-19	The Vanguard Group, Inc.	BUY	9.93	Ordinary	6,438	6,438
2-Jan-19	The Vanguard Group, Inc.	BUY	9.93	Ordinary	1,732	1,732
2-Jan-19	The Vanguard Group, Inc.	BUY	9,85	Ordinary	8,673	8,673
3-Jan-19	The Vanguard Group, Inc.	BUY	10.01	Ordinary	29,013	29,013
3-Jan-19	The Vanguard Group, Inc.	BUY	9.97	Ordinary	5,365	5,365
3-Jan-19	The Vanguard Group, Inc.	BUY	9.97	Ordinary	1,732	1,732
4-Jan-19	The Vanguard Group, Inc.	BUY	9.94	Ordinary	110,849	110,849
4-Jan-19	The Vanguard Group, Inc.	SELL	9.92	Ordinary	(106,780)	(106,780)
7-Jan-19	The Vanguard Group, Inc.	BUY	10.25	Ordinary	2,146	2,146
8-Jan-19	The Vanguard Group, Inc.	SELL	10.25	Ordinary	(675)	(675)
8-Jan-19	The Vanguard Group, Inc.	BUY SELL	10.43	Ordinary	2,935	2,935
8-Jan-19 9-Jan-19	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL	10.37	Ordinary Ordinary	(23,857) (15,505)	(23,857) (15,505)
10-Jan-19	The Vanguard Group, Inc.	BUY	10.40	Ordinary	8,112	8,112
10-Jan-19	The Vanguard Group, Inc.	BUY	10.51	Ordinary	53,621	53,621
10-Jan-19	The Vanguard Group, Inc.	BUY	10.50	Ordinary	3,464	3,464
10-Jan-19	The Vanguard Group, Inc.	SELL	10.44	Ordinary	(13,727)	(13,727)
10-Jan-19	The Vanguard Group, Inc.	BUY	10.45	Ordinary	6,930	6,930
11-Jan-19	The Vanguard Group, Inc.	BUY	10.53	Ordinary	3,042	3,042
11-Jan-19	The Vanguard Group, Inc.	BUY	10.53	Ordinary	1,174	1,174
11-Jan-19	The Vanguard Group, Inc.	BUY	10.47	Ordinary	3,842	3,842
15-Jan-19	The Vanguard Group, Inc.	SELL	10.65	Ordinary	(13,357)	(13,357)
15-Jan-19	The Vanguard Group, Inc.	BUY	10.71	Ordinary	27,895	27,895
16-Jan-19	The Vanguard Group, Inc.	BUY	10.76	Ordinary	6,097	6,097
17-Jan-19	The Vanguard Group, Inc.	SELL	10.98	Ordinary	(9,702)	(9,702)
17-Jan-19	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	10.87	Ordinary Ordinary	26,015 1,165	26,015 1,165
17-Jan-19 17-Jan-19	The Vanguard Group, Inc.	SELL	10.93	Ordinary	(10,558)	(10,558)
18-Jan-19	The Vanguard Group, Inc.	SELL	11.00	Ordinary	(569)	(569)
18-Jan-19	The Vanguard Group, Inc.	SELL	10.96	Ordinary	(3,265)	(3,265)
22-Jan-19	The Vanguard Group, Inc.	SELL	10.93	Ordinary	(9,702)	(9,702)
22-Jan-19	The Vanguard Group, Inc.	BUY	10.97	Ordinary	1,697	1,697
22-Jan-19	The Vanguard Group, Inc.	BUY	10.97	Ordinary	305	` 305
23-Jan-19	The Vanguard Group, Inc.	BUY	10,93	Ordinary	69,605	69,605
23-Jan-19	The Vanguard Group, Inc.	SELL	10.89	Ordinary	(21,021)	(21,021)
23-Jan-19	The Vanguard Group, Inc.	BUY	10.90	Ordinary	1,342	1,342
24-Jan-19	The Vanguard Group, Inc.	SELL	10.87	Ordinary	(21,021)	(21,021)
24-Jan-19	The Vanguard Group, Inc.	BUY	10.82	Ordinary	4,562	4,562
24-Jan-19	The Vanguard Group, Inc.	BUY	10.85	Ordinary Ordinary	19,602 1,052	19,602 1,052
25-Jan-19 28-Jan-19	The Vanguard Group, Inc. The Vanguard Group, Inc.	SELL	10.91	Ordinary	(6,438)	(6,438)
29-Jan-19	The Vanguard Group, Inc.	SELL	10.74	Ordinary	(12,936)	(12,936)
29-Jan-19	The Vanguard Group, Inc.	SELL	10,74	Ordinary	(12,936)	(12,936)
29-Jan-19	The Vanguard Group, Inc.	SELL	10.74		(30,723)	
29-Jan-19	The Vanguard Group, Inc.	SELL	10.75	Ordinary	(517)	(517)
29-Jan-19	The Vanguard Group, Inc.	SELL	10.74	Ordinary	(4,292)	(4,292)
29-Jan-19	The Vanguard Group, Inc.	BUY	10.72	Ordinary	1,210	1,210
30-Jan-19	The Vanguard Group, Inc.	BUY	10.73	Ordinary	3,549	3,549
30-Jan-19	The Vanguard Group, Inc.	SELL	10.73	Ordinary	(6,438)	(6,438)
30-Jan-19	The Vanguard Group, Inc.	BUY	10.68	Ordinary	37,128	37,128
31-Jan-19	The Vanguard Group, Inc.	SELL	10.77	Ordinary	(18,241)	(18,241)
31-Jan-19	The Vanguard Group, Inc.	BUY	10.73	Ordinary	793	793
31-Jan-19	The Vanguard Group, Inc.	BUY	10.75	Ordinary Ordinary	12,437	12,437 5,577
5-Feb-19	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	11.06	Ordinary	5,577 4,433	4,433
5-Feb-19 7-Feb-19	The Vanguard Group, Inc.	SELL	11.16	Ordinary	(10,240)	(10,240)
7-Feb-19	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	11.16	Ordinary	10,140	10,140
7-Feb-19	The Vanguard Group, Inc.	SELL	11.16	Ordinary	(4,292)	(4,292)
7-Feb-19	The Vanguard Group, Inc.	SELL	11.16	Ordinary	(4,292)	(4,292)
8-Feb-19	The Vanguard Group, Inc.	BUY	11.23	Ordinary	25,347	25,347
8-Feb-19	The Vanguard Group, Inc.	SELL	11.26	Ordinary	(13,949)	(13,949)
8-Feb-19	The Vanguard Group, Inc.	BUY	11.24	Ordinary	16,972	16,972
11-Feb-19	The Vanguard Group, Inc.	SELL '	11.27	Ordinary	(9,657)	(9,657)
11-Feb-19	The Vanguard Group, Inc.	BUY	11.24	Ordinary	26,845	26,845
12-Feb-19	The Vanguard Group, Inc.	SELL	11.29	Ordinary	(69,948)	(69,948)
13-Feb-19	The Vanguard Group, Inc.	SELL	11,36	Ordinary	(6,438)	(6,438)
15-Feb-19	The Vanguard Group, Inc.	SELL	11.01	Ordinary	(367)	(367)
18-Feb-19	The Vanguard Group, Inc.	BUY	11.32	Ordinary	4,763	4,763
20-Feb-19	The Vanguard Group, Inc.	BUY	11.30	Ordinary	23,020	23,020

		Nature of	Consideration given in relation	_	Number of securities	ł
Date of change	Person whose relevant interest changed	Change(6)	to change(7)	Class	affected	affected
21-Feb-19	The Vanguard Group, Inc.	SELL	11.45	Ordinary	(5,365)	(5,365)
21-Feb-19	The Vanguard Group, Inc.	BUY	11.29 12.10	Ordinary Ordinary	2,538 8,085	2,538 8,085
26-Feb-19 26-Feb-19	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	12.06	Ordinary	594	594
27-Feb-19	The Vanguard Group, Inc.	BUY	12.16	Ordinary	1,732	1,732
27-Feb-19	The Vanguard Group, Inc.	BUY	12.13	Ordinary	793	793
28-Feb-19	The Vanguard Group, Inc.	SELL	12.34	Ordinary	(1,088)	(1,088)
28-Feb-19	The Vanguard Group, Inc.	SELL	12.35	Ordinary	(39,448)	(39,448)
28-Feb-19	The Vanguard Group, Inc.	SELL	12.34	Ordinary	(33,536)	(33,536)
1-Mar-19	The Vanguard Group, Inc.	BUY	12.52	Ordinary	130,070	130,070
1-Mar-19	The Vanguard Group, Inc.	BUY	12.56	Ordinary	6,375	6,375
1-Mar-19	The Vanguard Group, Inc.	SELL	12.56	Ordinary	(26,462)	(26,462)
1-Mar-19	The Vanguard Group, Inc.	SELL	12.56	Ordinary	(25,008)	(25,008)
1-Mar-19	The Vanguard Group, Inc.	SELL	12.56	Ordinary	(3,304)	(3,304)
1-Mar-19	The Vanguard Group, Inc.	BUY	12.56	Ordinary	1,140	1,140 46,950
4-Mar-19	The Vanguard Group, Inc.	BUY	12.64 12.64	Ordinary	46,950 (20,462)	(20,462)
4-Mar-19	The Vanguard Group, Inc.	SELL SELL	12.64	Ordinary Ordinary	(3,054)	(3,054)
4-Mar-19 4-Mar-19	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	12.64	Ordinary	3,685	3,685
5-Mar-19	The Vanguard Group, Inc.	BUY	12.57	Ordinary	59,067	59,067
5-Mar-19	The Vanguard Group, Inc.	BUY	12.52	Ordinary	2,786	2,786
5-Mar-19	The Vanguard Group, Inc.	BUY	12.31	Ordinary	9,702	9,702
5-Mar-19	The Vanguard Group, Inc.	SELL	12.36	Ordinary	(876,468)	(876,468)
5-Mar-19	The Vanguard Group, Inc.	SELL	12,31	Ordinary	(6,447)	(6,447)
6-Mar-19	The Vanguard Group, Inc.	BUY	12.54	Ordinary	1,178	1,178
8-Mar-19	The Vanguard Group, Inc.	BUY	12,34	Ordinary	8,085	8,085
8-Mar-19	The Vanguard Group, Inc.	BUY	12.39	Ordinary	739	739
11-Mar-19	The Vanguard Group, Inc.	BUY	12.34	Ordinary	793	793
12-Mar-19	The Vanguard Group, Inc.	SELL	12.31	Ordinary	(4,694)	(4,694)
14-Mar-19	The Vanguard Group, Inc.	SELL	12.41	Ordinary	(17,174)	(17,174)
15-Mar-19	The Vanguard Group, Inc.	SELL	12.51	Ordinary	(2,502)	(2,502)
15-Mar-19	The Vanguard Group, Inc.	SELL	12.51	Ordinary	(2,910)	(2,910)
18-Mar-19	The Vanguard Group, Inc.	BUY	12.55	Ordinary	7,098	7,098
19-Mar-19	The Vanguard Group, Inc.	BUY	12.53	Ordinary	9,375	9,375
19-Mar-19	The Vanguard Group, Inc.	BUY	12.53	Ordinary	339	339
20-Mar-19	The Vanguard Group, Inc.	BUY	12.60 12.62	Ordinary Ordinary	4,851 632	4,851 632
20-Mar-19	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	12.30	Ordinary	739	739
21-Mar-19	The Vanguard Group, Inc.	BUY	12.49	Ordinary	28,998	28,998
22-Mar-19 26-Mar-19	The Vanguard Group, Inc.	BUY	12.16	Ordinary	126,253	126,253
27-Mar-19	The Vanguard Group, Inc.	SELL	12.10	Ordinary	(857)	(857)
27-Mar-19	The Vanguard Group, Inc.	BUY	12.20	Ordinary	1,772	1,772
28-Mar-19	The Vanguard Group, Inc.	SELL	12.35	Ordinary	(3,921)	(3,921)
29-Mar-19	The Vanguard Group, Inc.	BUY	12.31	Ordinary	57,274	57,274
29-Mar-19	The Vanguard Group, Inc.	BUY	12,31	Ordinary	793	793
29-Mar-19	The Vanguard Group, Inc.	SELL	12.31	Ordinary	(17,946)	(17,946)
1-Apr-19	The Vanguard Group, Inc.	BUY	12.45	Ordinary	6,468	6,468
1-Apr-19	The Vanguard Group, Inc.	BUY	12.45	Ordinary	1,772	1,772
3-Apr-19	The Vanguard Group, Inc.	BUY	12.69	Ordinary	56,518	56,518
4-Apr-19	The Vanguard Group, Inc.	BUY	12.41	Ordinary	2,651	2,651
4-Apr-19	The Vanguard Group, Inc.	SELL	12.41	Ordinary	(10,148)	(10,148)
5-Apr-19	The Vanguard Group, Inc.	BUY	12.29	Ordinary	10,140	10,140
5-Apr-19	The Vanguard Group, Inc.	BUY	12.29	Ordinary	1,772	1,772
8-Apr-19	The Vanguard Group, Inc.	BUY SELL	12.31	Ordinary	1,772 (7,884)	1,772 (7,884)
9-Apr-19	The Vanguard Group, Inc.		12.32	Ordinary		6,395
10-Apr-19	The Vanguard Group, Inc. The Vanguard Group, Inc.	BUY	12.35 12.35	Ordinary Ordinary	6,395 31,913	31,913
10-Apr-19	The Vanguard Group, Inc.	BUY	12.35	Ordinary	5,384	5,384
10-Apr-19 12-Apr-19	The Vanguard Group, Inc.	BUY	12.70	Ordinary	104,066	104,066
12-Apr-19	The Vanguard Group, Inc.	BUY	12.62	Ordinary	31,982	31,982
16-Apr-19	The Vanguard Group, Inc.	BUY	12.75	Ordinary	1,178	1,178
16-Apr-19	The Vanguard Group, Inc.	SELL	12.78	Ordinary	(92,219)	(92,219)
16-Apr-19	The Vanguard Group, Inc.	BUY	12.77	Ordinary	793	793
17-Apr-19	The Vanguard Group, Inc.	BUY	12.85	Ordinary	54,915	54,915
18-Apr-19	The Vanguard Group, Inc.	BUY	12.75	Ordinary	16,751	16,751
23-Apr-19	The Vanguard Group, Inc.	BUY	12.98	Ordinary	9,126	9,126
23-Apr-19	The Vanguard Group, Inc.	SELL	12.91	Ordinary	(7,304)	(7,304)
24-Apr-19	The Vanguard Group, Inc.	SELL	13.02	Ordinary	(13,963)	(13,963)
24-Apr-19	The Vanguard Group, Inc.	BUY	13.02	Ordinary	1,111	1,111

Data of the same	Davan uhasa valaunt letavat shangad	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities	Person's votes
Date of change	Person whose relevant interest changed The Vanguard Group, Inc.	SELL	13.00	Ordinary	(29,920)	(29,920)
24-Apr-19 24-Apr-19	The Vanguard Group, Inc.	BUY	12.98	Ordinary	774	774
26-Apr-19	The Vanguard Group, Inc.	BUY	13.02	Ordinary	8,085	8,085
26-Apr-19	The Vanguard Group, Inc.	SELL	13.04	Ordinary	(1,108)	(1,108)
30-Apr-19	The Vanguard Group, Inc.	BUY	12.94	Ordinary	1,767	1,767
2-May-19	The Vanguard Group, Inc.	BUY	12.94	Ordinary	149,225	149,225
3-May-19	The Vanguard Group, Inc.	BUY	13.08	Ordinary	1,370	1,370
3-May-19	The Vanguard Group, Inc.	BUY	13.08	Ordinary	2,651	2,651
3-May-19	The Vanguard Group, Inc.	BUY	13.00	Ordinary	26,471	26,471
6-May-19	The Vanguard Group, Inc.	SELL	12.92	Ordinary	(7,680)	(7,680)
7-May-19	The Vanguard Group, Inc.	BUY	12.93	Ordinary	1,905	1,905
7-May-19	The Vanguard Group, Inc.	BUY	12.75	Ordinary	5,070	5,070
7-May-19	The Vanguard Group, Inc.	BUY	12.93	Ordinary	21,931	21,931
7-May-19	The Vanguard Group, Inc.	BUY	12.87	Ordinary	2,651	2,651
8-May-19	The Vanguard Group, Inc.	SELL	12.79	Ordinary	(7,680)	(7,680)
8-May-19	The Vanguard Group, Inc.	BUY	12.79	Ordinary	1,767	1,767
8-May-19	The Vanguard Group, Inc.	BUY	12.90	Ordinary	7,436	7,436
8-May-19	The Vanguard Group, Inc.	BUY	12.77	Ordinary	739	739
8-May-19	The Vanguard Group, Inc.	BUY	12.89	Ordinary	25,253	25,253
9-May-19	The Vanguard Group, Inc.	BUY	12.79	Ordinary	64,574	64,574
9-May-19	The Vanguard Group, Inc.	BUY	12.85	Ordinary	9,702	9,702
9-May-19	The Vanguard Group, Inc.	BUY	12.85	Ordinary	1,754	1,754
10-May-19	The Vanguard Group, Inc.	BUY	12.65	Ordinary	739	739
10-May-19	The Vanguard Group, Inc.	SELL	12.65	Ordinary	(21,204)	(21,204)
10-May-19	The Vanguard Group, Inc.	BUY	12.65	Ordinary	1,607	1,607
13-May-19	The Vanguard Group, Inc.	BUY	12.56	Ordinary	12,538	12,538
14-May-19	The Vanguard Group, Inc.	SELL	12.54	Ordinary	(7,680)	(7,680)
14-May-19	The Vanguard Group, Inc.	BUY	12.48	Ordinary	137,175	137,175
14-May-19	The Vanguard Group, Inc.	BUY	12.54	Ordinary	4,292	4,292
14-May-19	The Vanguard Group, Inc.	BUY	12.54	Ordinary	877	877
14-May-19	The Vanguard Group, Inc.	BUY	12.47	Ordinary	793	793
15-May-19	The Vanguard Group, Inc.	BUY	12.58	Ordinary	128,276	128,276
15-May-19	The Vanguard Group, Inc.	BUY	12.58	Ordinary	17,523	17,523
16-May-19	The Vanguard Group, Inc.	SELL	12.64	Ordinary	(6,084)	(6,084)
16-May-19	The Vanguard Group, Inc.	BUY	12.64	Ordinary	206,870	206,870
29-Jun-18	Vanguard Investments Australia Ltd	SELL	9.74	Ordinary	(1,061)	(1,061)
29-Jun-18	Vanguard Investments Australia Ltd	SELL	9.74	Ordinary	(31,322)	(31,322)
29-Jun-18	Vanguard Investments Australia Ltd	SELL	9.74	Ordinary	(79,462)	(79,462)
3-jul-18	Vanguard Investments Australia Ltd	BUY	9.91	Ordinary	46,470	46,470
5-Jul-18	Vanguard Investments Australia Ltd	BUY	9.78	Ordinary	44,615	44,615
5-Jul-18	Vanguard Investments Australia Ltd	SELL	9.78	Ordinary	(4,441)	(4,441)
5-Jul-18	Vanguard Investments Australia Ltd	BUY	9.78	Ordinary	3,926	3,926
6-Jul-18	Vanguard Investments Australia Ltd	BUY	9.80	Ordinary	37,734	37,734
6-Jul-18	Vanguard Investments Australia Ltd	BUY	9.80		21,320	21,320
6-Jul-18	Vanguard Investments Australia Ltd	BUY	9.80	Ordinary	11,124	11,124
9-Jul-18	Vanguard Investments Australia Ltd	SELL	9.80	Ordinary	(10,764)	(10,764)
16-Jul-18	Vanguard Investments Australia Ltd	BUY	9.85	Ordinary	7,416	7,416
16-Jul-18	Vanguard Investments Australia Ltd	BUY	9.85	Ordinary	17,352	17,352 15,003
17-Jul-18	Vanguard Investments Australia Ltd	BUY	9.82	Ordinary	15,003	
18-Jul-18	Vanguard Investments Australia Ltd	SELL	9.84	Ordinary	(13,316)	(13,316)
19-Jul-18	Vanguard Investments Australia Ltd	BUY	9,85	Ordinary	22,777	22,777
20-Jul-18	Vanguard Investments Australia Ltd	BUY	9.89	Ordinary	13,596	13,596
27-Jul-18	Vanguard Investments Australia Ltd	BUY	10.13	Ordinary	23,464	23,464
2-Aug-18	Vanguard Investments Australia Ltd	BUY	10.34	Ordinary	11,124	11,124
3-Aug-18	Vanguard Investments Australia Ltd	BUY	10.34	Ordinary	18,758	18,758
7-Aug-18	Vanguard Investments Australia Ltd	BUY	10.15	Ordinary Ordinary	23,415	23,415
15-Aug-18	Vanguard Investments Australia Ltd	BUY	10.20		1,446	1,446 7,506
15-Aug-18	Vanguard Investments Australia Ltd	BUY	10.20	Ordinary	7,506	20,145
15-Aug-18	Vanguard Investments Australia Ltd	BUY	10.20	Ordinary	20,145 (6,775)	(6,775)
20-Aug-18	Vanguard Investments Australia Ltd	SELL	11.01	Ordinary		12,800
21-Aug-18	Vanguard Investments Australia Ltd	BUY	10.90	Ordinary	12,800	
28-Aug-18	Vanguard Investments Australia Ltd	BUY	11.00	Ordinary	47,264	47,264
29-Aug-18	Vanguard Investments Australia Ltd	BUY	11.16	Ordinary	10,703	10,703
31-Aug-18	Vanguard Investments Australia Ltd	SELL	11.03	Ordinary	(957)	(957)
3-Sep-18	Vanguard Investments Australia Ltd	SELL	10.97	Ordinary	(14,897)	(14,897)
4-Sep-18	Vanguard Investments Australia Ltd	BUY	11.00	Ordinary	13,915	13,915
6-Sep-18	Vanguard Investments Australia Ltd	BUY	10.98	Ordinary	29,206	29,206
7-Sep-18	Vanguard Investments Australia Ltd	BUY	10.95	Ordinary	34,314	34,314
10-Sep-18	Vanguard Investments Australia Ltd	SELL	10,93	Ordinary	(12,523)	(12,523)

Date of change 10-Sep-18 11-Sep-18 17-Sep-18 21-Sep-18 21-Sep-18 21-Sep-18	Person whose relevant interest changed Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	Change(6)	to change(7)		laffected	affected
11-Sep-18 17-Sep-18 21-Sep-18 21-Sep-18		BUY-	10.93	Class Ordinary	12,800	12,800
17-Sep-18 21-Sep-18 21-Sep-18		SELL	10.97	Ordinary	(14,482)	(14,482)
21-Sep-18 21-Sep-18	Vanguard Investments Australia Ltd	BUY	11.03	Ordinary	14,080	14,080
	Vanguard Investments Australia Ltd	BUY	10.95	Ordinary	18,637	18,637
21-Sep-18	Vanguard Investments Australia Ltd	BUY	10.95	Ordinary	8,422	8,422
	Vanguard Investments Australia Ltd	BUY	10.95	Ordinary	29,924	29,924
21-Sep-18	Vanguard Investments Australia Ltd	BUY	10.95	Ordinary	3,121	3,121
21-Sep-18	Vanguard Investments Australia Ltd	BUY	10.95	Ordinary	7,703	7,703
21-Sep-18	Vanguard Investments Australia Ltd	BUY	10.95	Ordinary	4,065	4,065
21-Sep-18	Vanguard Investments Australia Ltd	BUY	10.95	Ordinary	34,273	34,273 7,578
26-Sep-18	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	BUY	11.10	Ordinary Ordinary	7,578 2,329	2,329
27-Sep-18 27-Sep-18	Vanguard Investments Australia Ltd	BUY	10.99	Ordinary	22,535	22,535
27-Sep-18	Vanguard Investments Australia Ltd	BUY	10.99	Ordinary	22,191	22,191
27-Sep-18	Vanguard Investments Australia Ltd	BUY	10.99	Ordinary	12,912	12,912
27-Sep-18	Vanguard Investments Australia Ltd	BUY	10.99	Ordinary	28,569	28,569
27-Sep-18	Vanguard Investments Australia Ltd	BUY	10.96	Ordinary	97,251	97,251
28-Sep-18	Vanguard Investments Australia Ltd	SELL	11.12	Ordinary	(1,383)	(1,383)
28-Sep-18	Vanguard Investments Australia Ltd	SELL	11.12	Ordinary	(26,642)	(26,642)
1-Oct-18	Vanguard Investments Australia Ltd	BUY	11.07	Ordinary	6,640	6,640
1-Oct-18	Vanguard Investments Australia Ltd	BUY	11.07	Ordinary	11,205	11,205
3-Oct-18	Vanguard Investments Australia Ltd	BUY	11.04	Ordinary	53,378	53,378
8-Oct-18	Vanguard Investments Australia Ltd	BUY	11.57	Ordinary	11,205	11,205
9-Oct-18	Vanguard Investments Australia Ltd	BUY	11.57	Ordinary	3,984	3,984
10-Oct-18	Vanguard Investments Australia Ltd	SELL	11.56 11.36	Ordinary Ordinary	(9,786) 15,264	(9,786) 15,264
11-Oct-18 12-Oct-18	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	BUY	11.30	Ordinary	3,984	3,984
17-Oct-18	Vanguard Investments Australia Ltd	BUY	11.43	Ordinary	3,984	3,984
17-Oct-18	Vanguard Investments Australia Ltd	BUY	11.43	Ordinary	21,403	21,403
22-Oct-18	Vanguard Investments Australia Ltd	SELL	11.68	Ordinary	(5,886)	(5,886)
23-Oct-18	Vanguard Investments Australia Ltd	BUY	11.64	Ordinary	3,984	3,984
23-Oct-18	Vanguard Investments Australia Ltd	BUY	11.64	Ordinary	5,312	5,312
24-Oct-18	Vanguard Investments Australia Ltd	BUY	11.43	Ordinary	15,108	15,108
25-Oct-18	Vanguard Investments Australia Ltd	BUY	11.17	Ordinary	28,248	28,248
25-Oct-18	Vanguard Investments Australia Ltd	SELL	11.17	Ordinary	(8,900)	(8,900)
25-Oct-18	Vanguard Investments Australia Ltd	BUY	11.17	Ordinary	5,312	5,312
25-Oct-18	Vanguard Investments Australia Ltd	BUY	11.17	Ordinary	17,626	17,626
29-Oct-18	Vanguard Investments Australia Ltd	BUY	10.94	Ordinary Ordinary	5,312 41,811	5,312 41,811
29-Oct-18	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	BUY	11.32	Ordinary	20,336	20,336
31-Oct-18 31-Oct-18	Vanguard Investments Australia Ltd	BUY	11.32	Ordinary	3,813	3,813
1-Nov-18	Vanguard Investments Australia Ltd	BUY	11.26	Ordinary	2,542	2,542
2-Nov-18	Vanguard Investments Australia Ltd	BUY	11.30	Ordinary	16,523	16,523
5-Nov-18	Vanguard Investments Australia Ltd	BUY		Ordinary	46,736	46,736
6-Nov-18	Vanguard Investments Australia Ltd	BUY	11.26	Ordinary	54,111	54,111
12-Nov-18	Vanguard Investments Australia Ltd	SELL	11.55	Ordinary	(12,494)	(12,494)
12-Nov-18	Vanguard Investments Australia Ltd	BUY	11.55	Ordinary	16,692	16,692
15-Nov-18	Vanguard Investments Australia Ltd	SELL	11.32	Ordinary	(10,606)	(10,606)
16-Nov-18	Vanguard Investments Australia Ltd	BUY	11.43	Ordinary	1,020	1,020
19-Nov-18	Vanguard Investments Australia Ltd	BUY	11.38	Ordinary	20,278	20,278
19-Nov-18	Vanguard Investments Australia Ltd	SELL	11.35	Ordinary	(51,199)	(51,199)
21-Nov-18	Vanguard Investments Australia Ltd	BUY	11.51 11.43	Ordinary Ordinary	11,264 4,035	11,264 4,035
22-Nov-18	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	BUY	11.43	Ordinary	4,035	4,035
22-Nov-18 22-Nov-18	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	BUY	11.43	Ordinary	17,976	17,976
23-Nov-18	Vanguard Investments Australia Ltd	BUY	11.37	Ordinary	24,633	24,633
29-Nov-18	Vanguard Investments Australia Ltd	BUY	11.48	Ordinary	14,124	14,124
30-Nov-18	Vanguard Investments Australia Ltd	SELL	11.32	Ordinary	(2,084)	(2,084)
3-Dec-18	Vanguard Investments Australia Ltd	BUY	11.55	Ordinary	16,692	16,692
3-Dec-18	Vanguard Investments Australia Ltd	BUY	11.55	Ordinary	24,576	24,576
4-Dec-18	Vanguard Investments Australia Ltd	BUY	11.37	Ordinary	72,816	72,816
4-Dec-18	Vanguard Investments Australia Ltd	BUY	11.37	Ordinary	232,791	232,791
6-Dec-18	Vanguard Investments Australia Ltd	BUY	10.84	Ordinary	4,017	4,017
7-Dec-18	Vanguard Investments Australia Ltd	BUY	10.71	Ordinary	16,256	16,256
10-Dec-18	Vanguard Investments Australia Ltd	BUY	10.39	Ordinary	5,360	5,360
11-Dec-18	Vanguard Investments Australia Ltd	BUY	9.96	Ordinary	4,020	4,020
11-Dec-18	Vanguard Investments Australia Ltd	BUY	9.96	Ordinary	25,660	25,660 15,306
11-Dec-18 12-Dec-18	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	BUY	9.96	Ordinary Ordinary	15,396 973,410	15,396 973,410

			Consideration			_
1		Nature of	given in relation		Number of securities	
Date of change	Person whose relevant interest changed	Change(6)	to change(7)	Class	affected	affected
14-Dec-18	Vanguard Investments Australia Ltd	SELL	10.14	Ordinary	(7,698)	(7,698) 5,360
18-Dec-18	Vanguard Investments Australia Ltd	BUY SELL	9.75	Ordinary Ordinary	5,360 (6,680)	(6,680)
20-Dec-18	Vanguard Investments Australia Ltd	BUY	9.75	Ordinary	1,537	1,537
20-Dec-18 21-Dec-18	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	BUY	9.76	Ordinary	61,484	61,484
21-Dec-18	Vanguard Investments Australia Ltd	BUY	9.76	Ordinary	13,021	13,021
21-Dec-18	Vanguard Investments Australia Ltd	BUY	9.76	Ordinary	8,813	8,813
21-Dec-18	Vanguard Investments Australia Ltd	BUY	9.76	Ordinary	11,490	11,490
21-Dec-18	Vanguard Investments Australia Ltd	BUY	9.76	Ordinary	48,086	48,086
21-Dec-18	Vanguard Investments Australia Ltd	BUY	9.76	Ordinary	26,640	26,640
21-Dec-18	Vanguard Investments Australia Ltd	BUY	9.76	Ordinary	62,412	62,412
21-Dec-18	Vanguard Investments Australia Ltd	BUY	9.76	Ordinary	4,020	4,020
21-Dec-18	Vanguard Investments Australia Ltd	BUY	9.71	Ordinary	136,828	136,828
21-Dec-18	Vanguard Investments Australia Ltd	BUY	9.76	Ordinary	129,739	129,739
27-Dec-18	Vanguard Investments Australia Ltd	BUY	9.95	Ordinary	7,758	7,758
31-Dec-18	Vanguard Investments Australia Ltd	BUY	10.10	Ordinary	17,779	17,779
31-Dec-18	Vanguard Investments Australia Ltd	SELL	10.13	Ordinary Ordinary	(1,507) (28,105)	(1,507) (28,105)
31-Dec-18	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	SELL	9.85	Ordinary	(11,268)	(11,268)
2-Jan-19	Vanguard Investments Australia Ltd	BUY	10.03	Ordinary	8,893	8,893
3-Jan-19 4-Jan-19	Vanguard Investments Australia Ltd	BUY	9.89	Ordinary	2,842	2,842
4-Jan-19 8-Jan-19	Vanguard Investments Australia Ltd	BUY	10.42	Ordinary	12,780	12,780
10-Jan-19	Vanguard Investments Australia Ltd	BUY	10.45	Ordinary	1,114	1,114
11-Jan-19	Vanguard Investments Australia Ltd	BUY	10.50	Ordinary	15,276	15,276
11-Jan-19	Vanguard Investments Australia Ltd	BUY	10.52	Ordinary	25,660	25,660
18-Jan-19	Vanguard Investments Australia Ltd	BUY	10.97	Ordinary	12,005	12,005
21-Jan-19	Vanguard Investments Australia Ltd	SELL	11.04	Ordinary	(13,212)	(13,212)
21-Jan-19	Vanguard Investments Australia Ltd	BUY	11.04	Ordinary	4,203	4,203
22-Jan-19	Vanguard Investments Australia Ltd	SELL	10.97	Ordinary	(1,390)	(1,390)
29-Jan-19	Vanguard Investments Australia Ltd	BUY	10.74	Ordinary	22,101	22,101
30-Jan-19	Vanguard Investments Australia Ltd	BUY	10.68	Ordinary	5,072	5,072
30-Jan-19	Vanguard Investments Australia Ltd	BUY	10.67	Ordinary	31,427	31,427 37,686
1-Feb-19	Vanguard Investments Australia Ltd	BUY	10.71	Ordinary	37,686 10,711	10,711
4-Feb-19	Vanguard Investments Australia Ltd	BUY SELL	10.81	Ordinary Ordinary	(87,780)	(87,780)
5-Feb-19 12-Feb-19	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	SELL	11.01	Ordinary	(14,599)	(14,599)
13-Feb-19	Vanguard Investments Australia Ltd	BUY	11.36	Ordinary	56,996	56,996
19-Feb-19	Vanguard Investments Australia Ltd	BUY	11.40		13,948	13,948
25-Feb-19	Vanguard Investments Australia Ltd	BUY	11.96		35,912	35,912
26-Feb-19	Vanguard Investments Australia Ltd	SELL	12.03	Ordinary	(44,327)	(44,327)
26-Feb-19	Vanguard Investments Australia Ltd	BUY	12.06	Ordinary	21,787	21,787
26-Feb-19	Vanguard Investments Australia Ltd	BUY	12.06	Ordinary	12,680	12,680
28-Feb-19	Vanguard Investments Australia Ltd	BUY	12.35	Ordinary	3,257	3,257
28-Feb-19	Vanguard Investments Australia Ltd	SELL		Ordinary	(1,354)	
5-Mar-19	Vanguard Investments Australia Ltd	BUY	12.31	-	82,304	82,304
6-Mar-19	Vanguard Investments Australia Ltd	BUY	12.50		1,095	1,095
11-Mar-19	Vanguard Investments Australia Ltd	SELL	12.35		(6,725)	(6,725)
12-Mar-19	Vanguard Investments Australia Ltd	SELL BUY	12.31 12.51		(23,194)	(23,194)
15-Mar-19	Vanguard Investments Australia Ltd	BUY	12.51		13,956	13,956
15-Mar-19 15-Mar-19	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	BUY	12.51	+	1,611	1,611
15-Mar-19	Vanguard Investments Australia Ltd	BUY	12.51		36,920	36,920
15-Mar-19	Vanguard Investments Australia Ltd	SELL	12.51		(9,715)	(9,715
15-Mar-19	Vanguard Investments Australia Ltd	BUY	12.51		556	556
15-Mar-19	Vanguard Investments Australia Ltd	BUY	12,51	+ <u>-</u>	12,747	12,747
15-Mar-19	Vanguard Investments Australia Ltd	BUY	12.51	Ordinary	1,215	1,215
15-Mar-19	Vanguard Investments Australia Ltd	BUY	12.51	Ordinary	27,820	27,820
15-Mar-19	Vanguard Investments Australia Ltd	BUY	12.51	 	667	667
15-Mar-19	Vanguard Investments Australia Ltd	BUY	12.51		15,296	15,296
15-Mar-19	Vanguard Investments Australia Ltd	BUY	12.51	1	754	754
15-Mar-19	Vanguard Investments Australia Ltd	BUY	12,51		17,287	17,287
21-Mar-19	Vanguard Investments Australia Ltd	SELL	12.31		(9,673)	(9,673
21-Mar-19	Vanguard Investments Australia Ltd	BUY	12.31		18,237	18,237
22-Mar-19	Vanguard Investments Australia Ltd	BUY	12.54		18,769	18,769
29-Mar-19	Vanguard Investments Australia Ltd	SELL	12.31		(1,268)	(1,268
29-Mar-19	Vanguard Investments Australia Ltd	SELL	12.31		(22,383) 37,167	(22,383 37,167
1-Apr-19 1-Apr-19	Vanguard Investments Australia Ltd Vanguard Investments Australia Ltd	BUY	12.40 12.40		3,377	3,377

Annexure A

			Consideration			
		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
1-Apr-19	Vanguard Investments Australia Ltd	SELL	12.40	Ordinary	(1,547)	(1,547)
1-Apr-19	Vanguard Investments Australia Ltd	BUY	12.40	Ordinary	29,463	29,463
2-Apr-19	Vanguard Investments Australia Ltd	BUY	12.57	Ordinary	9,970	9,970
2-Apr-19	Vanguard Investments Australia Ltd	BUY	12.57	Ordinary	18,716	18,716
2-Apr-19	Vanguard Investments Australia Ltd	BUY	12.57	Ordinary	39,052	39,052
2-Apr-19	Vanguard Investments Australia Ltd	BUY	12.62	Ordinary	7,040	7,040
2-Apr-19	Vanguard Investments Australia Ltd	BUY	12.62	Ordinary	8,925	8,925
5-Apr-19	Vanguard Investments Australia Ltd	BUY	12.25	Ordinary	9,952	9,952
8-Apr-19	Vanguard Investments Australia Ltd	BUY	12.31	Ordinary	10,096	10,096
8-Apr-19	Vanguard Investments-Australia Ltd	BUY	12.31	Ordinary	1,161	1,161
9-Apr-19	Vanguard Investments Australia Ltd	SELL	12.32	Ordinary	(4,116)	(4,116)
9-Apr-19	Vanguard Investments Australia Ltd	BUY	12.32	Ordinary	409,770	409,770
10-Apr-19	Vanguard Investments Australia Ltd	SELL	12.35	Ordinary	(12,653)	(12,653)
11-Apr-19	Vanguard Investments Australia Ltd	BUY	12.41	Ordinary	21,673	21,673
12-Apr-19	Vanguard Investments Australia Ltd	SELL.	12.70	Ordinary	(4,429)	(4,429)
16-Apr-19	Vanguard Investments Australia Ltd	BUY	12.77	Ordinary	76,267	76,267
18-Apr-19	Vanguard Investments Australia Ltd	SELL	12.75	Ordinary	(5,416)	(5,416)
30-Apr-19	Vanguard Investments Australia Ltd	BUY	12.93	Ordinary	15,252	15,252
1-May-19	Vanguard Investments Australia Ltd	BUY	13.06	Ordinary	1,625	1,625
1-May-19	Vanguard Investments Australia Ltd	BUY	13.07	Ordinary	26,544	26,544
1-May-19	Vanguard Investments Australia Ltd	BUY	13.07	Ordinary	31,237	31,237
1-May-19	Vanguard Investments Australia Ltd	BUY	13.06	Ordinary	1,912	1,912
1-May-19	Vanguard Investments Australia Ltd	BUY	13.07	Ordinary	73,923	73,923
1-May-19	Vanguard Investments Australia Ltd	BUY	13.06	Ordinary	4,536	4,536
7-May-19	Vanguard Investments Australia Ltd	SELL	12.80	Ordinary	(3,604)	(3,604)
10-May-19	Vanguard Investments Australia Ltd	BUY	12.64	Ordinary	2,497	2,497
10-May-19	Vanguard Investments Australia Ltd	BUY	12.64	Ordinary	3,639	3,639
10-May-19	Vanguard Investments Australia Ltd	BUY	12.64	Ordinary	3,180	3,180
10-May-19	Vanguard Investments Australia Ltd	BUY	12.65	Ordinary	11,331	11,331
14-May-19	Vanguard Investments Australia Ltd	SELL	12.50	Ordinary	(3,908)	(3,908)
15-May-19	Vanguard Investments Australia Ltd	SELL	12.58	Ordinary	(9,922)	(9,922)
16-May-19	Vanguard Investments Australia Ltd	BUY	12.62	Ordinary	27,370	27,370

This is Annexure	A of 9 pages referred to in Form 604, Notice of change of interests of substantial holder.
Signature:	
Name:	Shawn Acker
Capacity:	Compliance Manager
Date:	24-May-19