

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme BWP Trust
ACN/ARSN 088 581 0970

1. Details of substantial holder (1)

Name Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those Listed in Annexure A)
ACN/ARSN (if applicable) N/A

There was a change in the interests of the substantial holder on 19 May 2020

The previous notice was given to the company on 17 August 2018

The previous notice was dated 17 August 2018

2. Previous and present voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary	45,583,050	7.096%	52,018,423	8.098%

3. Changes in relevant interests

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

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

4. Present relevant interests

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

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
Vanguard Group	Brown Brothers Harriman	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	Ordinary – 212,487	212,487
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 – 2,225,388	2,225,388
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 – 36,293,086	36,293,086
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 – 5,985,201	5,985,201
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 – 7,302,261	7,302,261

5. Changes in association

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

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

6. Addresses

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

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

Signature

print name Shawn Acker capacity Compliance Manager

sign here  date 21 May 2020

DIRECTIONS

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

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

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

To Company	BWP Trust
ACN/ARSN	088 581 097
Substantial Holder Name	Vanguard Group
ACN/ARSN	N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
15-Aug-2018	The Vanguard Group, Inc.	SELL	3.25	Ordinary	(13,644)	(13,644)
16-Aug-2018	The Vanguard Group, Inc.	BUY	3.26	Ordinary	8,223	8,223
24-Aug-2018	The Vanguard Group, Inc.	BUY	3.20	Ordinary	5,482	5,482
7-Sep-2018	The Vanguard Group, Inc.	SELL	3.33	Ordinary	(2,741)	(2,741)
11-Sep-2018	The Vanguard Group, Inc.	BUY	3.35	Ordinary	112,125	112,125
11-Sep-2018	The Vanguard Group, Inc.	BUY	3.37	Ordinary	22,696	22,696
21-Sep-2018	The Vanguard Group, Inc.	SELL	3.34	Ordinary	(104,548)	(104,548)
11-Oct-2018	The Vanguard Group, Inc.	BUY	3.26	Ordinary	9,258	9,258
12-Oct-2018	The Vanguard Group, Inc.	SELL	3.26	Ordinary	(22,784)	(22,784)
15-Oct-2018	The Vanguard Group, Inc.	BUY	3.23	Ordinary	15,430	15,430
19-Oct-2018	The Vanguard Group, Inc.	BUY	3.35	Ordinary	9,258	9,258
23-Oct-2018	The Vanguard Group, Inc.	SELL	3.36	Ordinary	(8,544)	(8,544)
23-Oct-2018	The Vanguard Group, Inc.	SELL	3.36	Ordinary	(22,784)	(22,784)
26-Oct-2018	The Vanguard Group, Inc.	BUY	3.40	Ordinary	14,313	14,313
29-Oct-2018	The Vanguard Group, Inc.	SELL	3.44	Ordinary	(11,392)	(11,392)
29-Oct-2018	The Vanguard Group, Inc.	SELL	3.44	Ordinary	(11,392)	(11,392)
31-Oct-2018	The Vanguard Group, Inc.	SELL	3.47	Ordinary	(8,544)	(8,544)
31-Oct-2018	The Vanguard Group, Inc.	SELL	3.47	Ordinary	(37,024)	(37,024)
2-Nov-2018	The Vanguard Group, Inc.	BUY	3.35	Ordinary	117,101	117,101
12-Nov-2018	The Vanguard Group, Inc.	BUY	3.47	Ordinary	5,100	5,100
14-Nov-2018	The Vanguard Group, Inc.	BUY	3.43	Ordinary	56,138	56,138
15-Nov-2018	The Vanguard Group, Inc.	BUY	3.44	Ordinary	7,650	7,650
28-Nov-2018	The Vanguard Group, Inc.	BUY	3.58	Ordinary	9,258	9,258
28-Nov-2018	The Vanguard Group, Inc.	BUY	3.58	Ordinary	1,543	1,543
30-Nov-2018	The Vanguard Group, Inc.	BUY	3.50	Ordinary	7,650	7,650
4-Dec-2018	The Vanguard Group, Inc.	BUY	3.53	Ordinary	7,650	7,650
6-Dec-2018	The Vanguard Group, Inc.	BUY	3.66	Ordinary	10,200	10,200
6-Dec-2018	The Vanguard Group, Inc.	SELL	3.65	Ordinary	(2,401)	(2,401)
7-Dec-2018	The Vanguard Group, Inc.	BUY	3.67	Ordinary	10,200	10,200
11-Dec-2018	The Vanguard Group, Inc.	BUY	3.67	Ordinary	10,200	10,200
12-Dec-2018	The Vanguard Group, Inc.	BUY	3.74	Ordinary	8,544	8,544
12-Dec-2018	The Vanguard Group, Inc.	BUY	3.72	Ordinary	44,952	44,952
12-Dec-2018	The Vanguard Group, Inc.	BUY	3.75	Ordinary	15,051	15,051
14-Dec-2018	The Vanguard Group, Inc.	BUY	3.65	Ordinary	7,650	7,650
19-Dec-2018	The Vanguard Group, Inc.	SELL	3.63	Ordinary	(17,088)	(17,088)
19-Dec-2018	The Vanguard Group, Inc.	BUY	3.63	Ordinary	10,200	10,200
21-Dec-2018	The Vanguard Group, Inc.	SELL	3.67	Ordinary	(67,482)	(67,482)
21-Dec-2018	The Vanguard Group, Inc.	SELL	3.67	Ordinary	(44,750)	(44,750)
21-Dec-2018	The Vanguard Group, Inc.	BUY	3.67	Ordinary	1,134	1,134
21-Dec-2018	The Vanguard Group, Inc.	BUY	3.67	Ordinary	5,462	5,462
21-Dec-2018	The Vanguard Group, Inc.	BUY	3.67	Ordinary	383	383
2-Jan-2019	The Vanguard Group, Inc.	BUY	3.55	Ordinary	6,844	6,844
2-Jan-2019	The Vanguard Group, Inc.	BUY	3.55	Ordinary	20,532	20,532
2-Jan-2019	The Vanguard Group, Inc.	BUY	3.55	Ordinary	13,688	13,688
3-Jan-2019	The Vanguard Group, Inc.	BUY	3.57	Ordinary	164,414	164,414
3-Jan-2019	The Vanguard Group, Inc.	BUY	3.56	Ordinary	5,133	5,133
4-Jan-2019	The Vanguard Group, Inc.	BUY	3.57	Ordinary	36,803	36,803
4-Jan-2019	The Vanguard Group, Inc.	BUY	3.58	Ordinary	1,711	1,711
10-Jan-2019	The Vanguard Group, Inc.	BUY	3.64	Ordinary	5,186	5,186
11-Jan-2019	The Vanguard Group, Inc.	BUY	3.68	Ordinary	10,372	10,372
15-Jan-2019	The Vanguard Group, Inc.	SELL	3.66	Ordinary	(2,593)	(2,593)
16-Jan-2019	The Vanguard Group, Inc.	SELL	3.65	Ordinary	(51,860)	(51,860)
17-Jan-2019	The Vanguard Group, Inc.	SELL	3.67	Ordinary	(7,380)	(7,380)
22-Jan-2019	The Vanguard Group, Inc.	SELL	3.65	Ordinary	(7,380)	(7,380)
23-Jan-2019	The Vanguard Group, Inc.	SELL	3.68	Ordinary	(15,990)	(15,990)
24-Jan-2019	The Vanguard Group, Inc.	SELL	3.64	Ordinary	(15,990)	(15,990)

Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
29-Jan-2019	The Vanguard Group, Inc.	SELL	3.73	Ordinary	(9,840)	(9,840)
29-Jan-2019	The Vanguard Group, Inc.	SELL	3.73	Ordinary	(9,840)	(9,840)
29-Jan-2019	The Vanguard Group, Inc.	SELL	3.73	Ordinary	(23,370)	(23,370)
29-Jan-2019	The Vanguard Group, Inc.	SELL	3.73	Ordinary	(6,844)	(6,844)
31-Jan-2019	The Vanguard Group, Inc.	BUY	3.68	Ordinary	80,649	80,649
1-Feb-2019	The Vanguard Group, Inc.	SELL	3.66	Ordinary	(10,372)	(10,372)
1-Feb-2019	The Vanguard Group, Inc.	SELL	3.66	Ordinary	(12,965)	(12,965)
1-Feb-2019	The Vanguard Group, Inc.	SELL	3.66	Ordinary	(6,844)	(6,844)
1-Feb-2019	The Vanguard Group, Inc.	SELL	3.66	Ordinary	(8,555)	(8,555)
7-Feb-2019	The Vanguard Group, Inc.	SELL	3.63	Ordinary	(5,368)	(5,368)
7-Feb-2019	The Vanguard Group, Inc.	SELL	3.63	Ordinary	(6,844)	(6,844)
8-Feb-2019	The Vanguard Group, Inc.	SELL	3.66	Ordinary	(5,133)	(5,133)
13-Feb-2019	The Vanguard Group, Inc.	SELL	3.70	Ordinary	(11,977)	(11,977)
15-Feb-2019	The Vanguard Group, Inc.	SELL	3.76	Ordinary	(6,844)	(6,844)
22-Feb-2019	The Vanguard Group, Inc.	BUY	3.76	Ordinary	75,026	75,026
22-Feb-2019	The Vanguard Group, Inc.	SELL	3.74	Ordinary	(8,555)	(8,555)
25-Feb-2019	The Vanguard Group, Inc.	BUY	3.73	Ordinary	2,593	2,593
25-Feb-2019	The Vanguard Group, Inc.	SELL	3.73	Ordinary	(3,422)	(3,422)
25-Feb-2019	The Vanguard Group, Inc.	SELL	3.73	Ordinary	(5,133)	(5,133)
25-Feb-2019	The Vanguard Group, Inc.	SELL	3.73	Ordinary	(3,422)	(3,422)
26-Feb-2019	The Vanguard Group, Inc.	BUY	3.71	Ordinary	6,150	6,150
1-Mar-2019	The Vanguard Group, Inc.	BUY	3.72	Ordinary	7,779	7,779
1-Mar-2019	The Vanguard Group, Inc.	BUY	3.72	Ordinary	738	738
5-Mar-2019	The Vanguard Group, Inc.	BUY	3.77	Ordinary	7,380	7,380
5-Mar-2019	The Vanguard Group, Inc.	BUY	3.77	Ordinary	12,965	12,965
5-Mar-2019	The Vanguard Group, Inc.	BUY	3.77	Ordinary	10,560	10,560
8-Mar-2019	The Vanguard Group, Inc.	BUY	3.76	Ordinary	6,150	6,150
15-Mar-2019	The Vanguard Group, Inc.	BUY	3.73	Ordinary	127,346	127,346
15-Mar-2019	The Vanguard Group, Inc.	BUY	3.71	Ordinary	38,150	38,150
15-Mar-2019	The Vanguard Group, Inc.	BUY	3.71	Ordinary	1,411	1,411
20-Mar-2019	The Vanguard Group, Inc.	BUY	3.62	Ordinary	3,690	3,690
27-Mar-2019	The Vanguard Group, Inc.	BUY	3.71	Ordinary	10,512	10,512
27-Mar-2019	The Vanguard Group, Inc.	SELL	3.71	Ordinary	(3,422)	(3,422)
1-Apr-2019	The Vanguard Group, Inc.	BUY	3.68	Ordinary	4,920	4,920
5-Apr-2019	The Vanguard Group, Inc.	BUY	3.60	Ordinary	2,628	2,628
5-Apr-2019	The Vanguard Group, Inc.	BUY	3.60	Ordinary	7,884	7,884
16-Apr-2019	The Vanguard Group, Inc.	BUY	3.66	Ordinary	23,376	23,376
16-Apr-2019	The Vanguard Group, Inc.	BUY	3.65	Ordinary	38,594	38,594
24-Apr-2019	The Vanguard Group, Inc.	BUY	3.74	Ordinary	14,557	14,557
26-Apr-2019	The Vanguard Group, Inc.	BUY	3.76	Ordinary	6,150	6,150
26-Apr-2019	The Vanguard Group, Inc.	BUY	3.76	Ordinary	3,896	3,896
26-Apr-2019	The Vanguard Group, Inc.	BUY	3.76	Ordinary	11,688	11,688
29-Apr-2019	The Vanguard Group, Inc.	BUY	3.74	Ordinary	95,871	95,871
29-Apr-2019	The Vanguard Group, Inc.	BUY	3.73	Ordinary	5,206	5,206
6-May-2019	The Vanguard Group, Inc.	SELL	3.63	Ordinary	(4,026)	(4,026)
8-May-2019	The Vanguard Group, Inc.	SELL	3.57	Ordinary	(4,026)	(4,026)
8-May-2019	The Vanguard Group, Inc.	BUY	3.57	Ordinary	9,664	9,664
9-May-2019	The Vanguard Group, Inc.	BUY	3.56	Ordinary	7,380	7,380
14-May-2019	The Vanguard Group, Inc.	SELL	3.61	Ordinary	(4,026)	(4,026)
21-May-2019	The Vanguard Group, Inc.	BUY	3.70	Ordinary	39,306	39,306
22-May-2019	The Vanguard Group, Inc.	BUY	3.69	Ordinary	9,664	9,664
28-May-2019	The Vanguard Group, Inc.	BUY	3.71	Ordinary	6,150	6,150
29-May-2019	The Vanguard Group, Inc.	BUY	3.66	Ordinary	5,133	5,133
4-Jun-2019	The Vanguard Group, Inc.	BUY	3.65	Ordinary	5,133	5,133
5-Jun-2019	The Vanguard Group, Inc.	SELL	3.60	Ordinary	(5,368)	(5,368)
5-Jun-2019	The Vanguard Group, Inc.	SELL	3.60	Ordinary	(2,684)	(2,684)
6-Jun-2019	The Vanguard Group, Inc.	SELL	3.63	Ordinary	(26,512)	(26,512)
7-Jun-2019	The Vanguard Group, Inc.	BUY	3.68	Ordinary	87,879	87,879
11-Jun-2019	The Vanguard Group, Inc.	SELL	3.74	Ordinary	(3,355)	(3,355)
11-Jun-2019	The Vanguard Group, Inc.	BUY	3.74	Ordinary	85,074	85,074
12-Jun-2019	The Vanguard Group, Inc.	BUY	3.75	Ordinary	83,756	83,756
14-Jun-2019	The Vanguard Group, Inc.	SELL	3.77	Ordinary	(2,013)	(2,013)
18-Jun-2019	The Vanguard Group, Inc.	BUY	3.81	Ordinary	73,049	73,049
21-Jun-2019	The Vanguard Group, Inc.	SELL	3.87	Ordinary	(77,244)	(77,244)

Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
21-Jun-2019	The Vanguard Group, Inc.	SELL	3.88	Ordinary	(43,150)	(43,150)
25-Jun-2019	The Vanguard Group, Inc.	SELL	3.89	Ordinary	(2,013)	(2,013)
26-Jun-2019	The Vanguard Group, Inc.	BUY	3.90	Ordinary	20,206	20,206
5-Jul-2019	The Vanguard Group, Inc.	BUY	3.94	Ordinary	4,920	4,920
15-Jul-2019	The Vanguard Group, Inc.	BUY	3.80	Ordinary	7,380	7,380
18-Jul-2019	The Vanguard Group, Inc.	SELL	3.82	Ordinary	(14,664)	(14,664)
18-Jul-2019	The Vanguard Group, Inc.	SELL	3.82	Ordinary	(21,996)	(21,996)
18-Jul-2019	The Vanguard Group, Inc.	SELL	3.82	Ordinary	(4,888)	(4,888)
19-Jul-2019	The Vanguard Group, Inc.	SELL	3.79	Ordinary	(29,328)	(29,328)
22-Jul-2019	The Vanguard Group, Inc.	BUY	3.79	Ordinary	6,150	6,150
22-Jul-2019	The Vanguard Group, Inc.	BUY	3.79	Ordinary	6,150	6,150
22-Jul-2019	The Vanguard Group, Inc.	SELL	3.79	Ordinary	(14,664)	(14,664)
22-Jul-2019	The Vanguard Group, Inc.	SELL	3.79	Ordinary	(9,776)	(9,776)
24-Jul-2019	The Vanguard Group, Inc.	BUY	3.84	Ordinary	96,785	96,785
25-Jul-2019	The Vanguard Group, Inc.	SELL	3.80	Ordinary	(12,220)	(12,220)
29-Jul-2019	The Vanguard Group, Inc.	SELL	3.76	Ordinary	(4,888)	(4,888)
30-Jul-2019	The Vanguard Group, Inc.	SELL	3.80	Ordinary	(2,684)	(2,684)
1-Aug-2019	The Vanguard Group, Inc.	BUY	3.78	Ordinary	11,070	11,070
5-Aug-2019	The Vanguard Group, Inc.	SELL	3.80	Ordinary	(7,332)	(7,332)
5-Aug-2019	The Vanguard Group, Inc.	SELL	3.80	Ordinary	(5,133)	(5,133)
5-Aug-2019	The Vanguard Group, Inc.	SELL	3.80	Ordinary	(5,133)	(5,133)
6-Aug-2019	The Vanguard Group, Inc.	BUY	3.77	Ordinary	86,999	86,999
8-Aug-2019	The Vanguard Group, Inc.	SELL	3.82	Ordinary	(3,355)	(3,355)
13-Aug-2019	The Vanguard Group, Inc.	SELL	3.85	Ordinary	(4,697)	(4,697)
15-Aug-2019	The Vanguard Group, Inc.	SELL	3.79	Ordinary	(4,026)	(4,026)
16-Aug-2019	The Vanguard Group, Inc.	BUY	3.80	Ordinary	9,647	9,647
19-Aug-2019	The Vanguard Group, Inc.	SELL	3.80	Ordinary	(1,711)	(1,711)
20-Aug-2019	The Vanguard Group, Inc.	SELL	3.82	Ordinary	(13,315)	(13,315)
4-Sep-2019	The Vanguard Group, Inc.	SELL	3.88	Ordinary	(1,711)	(1,711)
5-Sep-2019	The Vanguard Group, Inc.	BUY	3.92	Ordinary	26,630	26,630
5-Sep-2019	The Vanguard Group, Inc.	BUY	3.92	Ordinary	21,304	21,304
6-Sep-2019	The Vanguard Group, Inc.	BUY	3.91	Ordinary	10,652	10,652
16-Sep-2019	The Vanguard Group, Inc.	BUY	3.87	Ordinary	2,013	2,013
17-Sep-2019	The Vanguard Group, Inc.	SELL	3.88	Ordinary	(7,989)	(7,989)
18-Sep-2019	The Vanguard Group, Inc.	SELL	3.85	Ordinary	(2,663)	(2,663)
18-Sep-2019	The Vanguard Group, Inc.	SELL	3.85	Ordinary	(15,978)	(15,978)
18-Sep-2019	The Vanguard Group, Inc.	SELL	3.85	Ordinary	(3,422)	(3,422)
20-Sep-2019	The Vanguard Group, Inc.	BUY	3.89	Ordinary	21,249	21,249
24-Sep-2019	The Vanguard Group, Inc.	SELL	3.95	Ordinary	(2,048)	(2,048)
24-Sep-2019	The Vanguard Group, Inc.	BUY	3.95	Ordinary	24,191	24,191
27-Sep-2019	The Vanguard Group, Inc.	SELL	4.00	Ordinary	(17,499)	(17,499)
2-Oct-2019	The Vanguard Group, Inc.	BUY	3.95	Ordinary	7,998	7,998
9-Oct-2019	The Vanguard Group, Inc.	BUY	4.01	Ordinary	38,630	38,630
21-Oct-2019	The Vanguard Group, Inc.	BUY	4.31	Ordinary	7,998	7,998
25-Oct-2019	The Vanguard Group, Inc.	SELL	4.20	Ordinary	(8,040)	(8,040)
29-Oct-2019	The Vanguard Group, Inc.	SELL	4.19	Ordinary	(1,765)	(1,765)
1-Nov-2019	The Vanguard Group, Inc.	BUY	4.16	Ordinary	445	445
7-Nov-2019	The Vanguard Group, Inc.	BUY	4.19	Ordinary	10,664	10,664
13-Nov-2019	The Vanguard Group, Inc.	BUY	4.14	Ordinary	747	747
14-Nov-2019	The Vanguard Group, Inc.	BUY	4.12	Ordinary	5,332	5,332
26-Nov-2019	The Vanguard Group, Inc.	BUY	4.22	Ordinary	26,465	26,465
2-Dec-2019	The Vanguard Group, Inc.	BUY	4.23	Ordinary	17,220	17,220
5-Dec-2019	The Vanguard Group, Inc.	SELL	4.19	Ordinary	(34,983)	(34,983)
17-Dec-2019	The Vanguard Group, Inc.	SELL	4.11	Ordinary	(105,027)	(105,027)
20-Dec-2019	The Vanguard Group, Inc.	SELL	4.03	Ordinary	(54,619)	(54,619)
23-Dec-2019	The Vanguard Group, Inc.	BUY	4.03	Ordinary	17,220	17,220
23-Dec-2019	The Vanguard Group, Inc.	BUY	4.03	Ordinary	3,690	3,690
23-Dec-2019	The Vanguard Group, Inc.	BUY	4.03	Ordinary	7,200	7,200
24-Dec-2019	The Vanguard Group, Inc.	BUY	4.05	Ordinary	7,380	7,380
24-Dec-2019	The Vanguard Group, Inc.	BUY	4.05	Ordinary	14,400	14,400
26-Dec-2019	The Vanguard Group, Inc.	BUY	4.06	Ordinary	18,450	18,450
27-Dec-2019	The Vanguard Group, Inc.	BUY	4.08	Ordinary	9,668	9,668
2-Jan-2020	The Vanguard Group, Inc.	BUY	3.92	Ordinary	7,251	7,251
7-Jan-2020	The Vanguard Group, Inc.	BUY	4.00	Ordinary	9,644	9,644

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
9-Jan-2020	The Vanguard Group, Inc.	BUY	3.98	Ordinary	22,140	22,140
9-Jan-2020	The Vanguard Group, Inc.	SELL	3.98	Ordinary	(9,644)	(9,644)
9-Jan-2020	The Vanguard Group, Inc.	SELL	3.98	Ordinary	(33,754)	(33,754)
15-Jan-2020	The Vanguard Group, Inc.	BUY	4.02	Ordinary	9,840	9,840
16-Jan-2020	The Vanguard Group, Inc.	BUY	4.10	Ordinary	11,070	11,070
17-Jan-2020	The Vanguard Group, Inc.	BUY	4.11	Ordinary	9,840	9,840
17-Jan-2020	The Vanguard Group, Inc.	BUY	4.11	Ordinary	11,070	11,070
22-Jan-2020	The Vanguard Group, Inc.	BUY	4.11	Ordinary	7,380	7,380
23-Jan-2020	The Vanguard Group, Inc.	BUY	4.14	Ordinary	6,150	6,150
24-Jan-2020	The Vanguard Group, Inc.	BUY	4.13	Ordinary	6,218	6,218
28-Jan-2020	The Vanguard Group, Inc.	BUY	4.08	Ordinary	4,100	4,100
31-Jan-2020	The Vanguard Group, Inc.	BUY	4.08	Ordinary	7,380	7,380
31-Jan-2020	The Vanguard Group, Inc.	BUY	4.08	Ordinary	7,380	7,380
5-Feb-2020	The Vanguard Group, Inc.	BUY	4.09	Ordinary	23,370	23,370
5-Feb-2020	The Vanguard Group, Inc.	BUY	4.09	Ordinary	8,610	8,610
10-Feb-2020	The Vanguard Group, Inc.	BUY	3.97	Ordinary	11,160	11,160
11-Feb-2020	The Vanguard Group, Inc.	BUY	3.98	Ordinary	7,440	7,440
13-Feb-2020	The Vanguard Group, Inc.	BUY	3.99	Ordinary	16,120	16,120
14-Feb-2020	The Vanguard Group, Inc.	BUY	4.01	Ordinary	7,440	7,440
19-Feb-2020	The Vanguard Group, Inc.	BUY	4.07	Ordinary	6,200	6,200
21-Feb-2020	The Vanguard Group, Inc.	BUY	4.04	Ordinary	9,920	9,920
24-Feb-2020	The Vanguard Group, Inc.	SELL	3.97	Ordinary	(3,350)	(3,350)
25-Feb-2020	The Vanguard Group, Inc.	SELL	3.86	Ordinary	(1,340)	(1,340)
25-Feb-2020	The Vanguard Group, Inc.	BUY	3.86	Ordinary	7,440	7,440
25-Feb-2020	The Vanguard Group, Inc.	BUY	3.93	Ordinary	1,428	1,428
27-Feb-2020	The Vanguard Group, Inc.	SELL	3.82	Ordinary	(12,055)	(12,055)
28-Feb-2020	The Vanguard Group, Inc.	SELL	3.81	Ordinary	(4,822)	(4,822)
2-Mar-2020	The Vanguard Group, Inc.	SELL	3.82	Ordinary	(9,920)	(9,920)
4-Mar-2020	The Vanguard Group, Inc.	SELL	3.83	Ordinary	(7,233)	(7,233)
4-Mar-2020	The Vanguard Group, Inc.	SELL	3.76	Ordinary	(7,818)	(7,818)
4-Mar-2020	The Vanguard Group, Inc.	BUY	3.79	Ordinary	818	818
6-Mar-2020	The Vanguard Group, Inc.	SELL	3.75	Ordinary	(7,440)	(7,440)
6-Mar-2020	The Vanguard Group, Inc.	BUY	3.75	Ordinary	4,822	4,822
9-Mar-2020	The Vanguard Group, Inc.	BUY	3.57	Ordinary	9,644	9,644
10-Mar-2020	The Vanguard Group, Inc.	SELL	3.67	Ordinary	(6,200)	(6,200)
10-Mar-2020	The Vanguard Group, Inc.	BUY	3.67	Ordinary	4,822	4,822
10-Mar-2020	The Vanguard Group, Inc.	BUY	3.67	Ordinary	4,536	4,536
11-Mar-2020	The Vanguard Group, Inc.	SELL	3.56	Ordinary	(3,720)	(3,720)
12-Mar-2020	The Vanguard Group, Inc.	SELL	3.29	Ordinary	(13,640)	(13,640)
13-Mar-2020	The Vanguard Group, Inc.	BUY	3.56	Ordinary	9,072	9,072
16-Mar-2020	The Vanguard Group, Inc.	SELL	3.12	Ordinary	(2,010)	(2,010)
16-Mar-2020	The Vanguard Group, Inc.	SELL	3.12	Ordinary	(9,644)	(9,644)
17-Mar-2020	The Vanguard Group, Inc.	SELL	3.32	Ordinary	(2,680)	(2,680)
17-Mar-2020	The Vanguard Group, Inc.	SELL	3.32	Ordinary	(9,920)	(9,920)
17-Mar-2020	The Vanguard Group, Inc.	SELL	3.32	Ordinary	(12,400)	(12,400)
17-Mar-2020	The Vanguard Group, Inc.	SELL	3.32	Ordinary	(7,233)	(7,233)
17-Mar-2020	The Vanguard Group, Inc.	BUY	3.26	Ordinary	1,132	1,132
18-Mar-2020	The Vanguard Group, Inc.	BUY	2.96	Ordinary	6,804	6,804
19-Mar-2020	The Vanguard Group, Inc.	BUY	2.90	Ordinary	7,710	7,710
20-Mar-2020	The Vanguard Group, Inc.	SELL	2.80	Ordinary	(3,350)	(3,350)
20-Mar-2020	The Vanguard Group, Inc.	SELL	2.90	Ordinary	(95,777)	(95,777)
20-Mar-2020	The Vanguard Group, Inc.	SELL	2.80	Ordinary	(7,320)	(7,320)
20-Mar-2020	The Vanguard Group, Inc.	BUY	2.83	Ordinary	16,583	16,583
20-Mar-2020	The Vanguard Group, Inc.	SELL	2.90	Ordinary	(3,283)	(3,283)
23-Mar-2020	The Vanguard Group, Inc.	SELL	2.75	Ordinary	(2,680)	(2,680)
24-Mar-2020	The Vanguard Group, Inc.	BUY	3.01	Ordinary	250,465	250,465
24-Mar-2020	The Vanguard Group, Inc.	BUY	3.31	Ordinary	7,080	7,080
24-Mar-2020	The Vanguard Group, Inc.	BUY	3.31	Ordinary	11,800	11,800
24-Mar-2020	The Vanguard Group, Inc.	BUY	3.01	Ordinary	8,448	8,448
25-Mar-2020	The Vanguard Group, Inc.	BUY	3.32	Ordinary	286,073	286,073
26-Mar-2020	The Vanguard Group, Inc.	SELL	3.51	Ordinary	(2,010)	(2,010)
27-Mar-2020	The Vanguard Group, Inc.	BUY	3.30	Ordinary	8,596	8,596
27-Mar-2020	The Vanguard Group, Inc.	BUY	3.32	Ordinary	9,440	9,440
27-Mar-2020	The Vanguard Group, Inc.	BUY	3.30	Ordinary	3,376	3,376

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
31-Mar-2020	The Vanguard Group, Inc.	BUY	3.35	Ordinary	12,200	12,200
31-Mar-2020	The Vanguard Group, Inc.	BUY	3.35	Ordinary	2,440	2,440
6-Apr-2020	The Vanguard Group, Inc.	BUY	3.28	Ordinary	6,517	6,517
8-Apr-2020	The Vanguard Group, Inc.	BUY	3.38	Ordinary	3,543	3,543
13-Apr-2020	The Vanguard Group, Inc.	BUY	3.48	Ordinary	7,326	7,326
14-Apr-2020	The Vanguard Group, Inc.	BUY	3.42	Ordinary	21,978	21,978
14-Apr-2020	The Vanguard Group, Inc.	BUY	3.42	Ordinary	4,884	4,884
15-Apr-2020	The Vanguard Group, Inc.	SELL	3.42	Ordinary	(4,016)	(4,016)
15-Apr-2020	The Vanguard Group, Inc.	SELL	3.42	Ordinary	(9,036)	(9,036)
15-Apr-2020	The Vanguard Group, Inc.	SELL	3.42	Ordinary	(8,032)	(8,032)
17-Apr-2020	The Vanguard Group, Inc.	SELL	3.50	Ordinary	(10,444)	(10,444)
22-Apr-2020	The Vanguard Group, Inc.	SELL	3.34	Ordinary	(8,079)	(8,079)
22-Apr-2020	The Vanguard Group, Inc.	SELL	3.32	Ordinary	(17,967)	(17,967)
27-Apr-2020	The Vanguard Group, Inc.	SELL	3.42	Ordinary	(4,884)	(4,884)
29-Apr-2020	The Vanguard Group, Inc.	SELL	3.45	Ordinary	(4,884)	(4,884)
30-Apr-2020	The Vanguard Group, Inc.	SELL	3.51	Ordinary	(9,036)	(9,036)
30-Apr-2020	The Vanguard Group, Inc.	SELL	3.51	Ordinary	(9,768)	(9,768)
30-Apr-2020	The Vanguard Group, Inc.	SELL	3.51	Ordinary	(4,884)	(4,884)
1-May-2020	The Vanguard Group, Inc.	SELL	3.42	Ordinary	(2,680)	(2,680)
1-May-2020	The Vanguard Group, Inc.	SELL	3.42	Ordinary	(12,048)	(12,048)
4-May-2020	The Vanguard Group, Inc.	SELL	3.52	Ordinary	(12,210)	(12,210)
5-May-2020	The Vanguard Group, Inc.	SELL	3.57	Ordinary	(12,210)	(12,210)
6-May-2020	The Vanguard Group, Inc.	SELL	3.53	Ordinary	(8,079)	(8,079)
7-May-2020	The Vanguard Group, Inc.	SELL	3.55	Ordinary	(7,356)	(7,356)
8-May-2020	The Vanguard Group, Inc.	SELL	3.51	Ordinary	(4,690)	(4,690)
12-May-2020	The Vanguard Group, Inc.	SELL	3.55	Ordinary	(7,356)	(7,356)
12-May-2020	The Vanguard Group, Inc.	SELL	3.55	Ordinary	(14,712)	(14,712)
13-May-2020	The Vanguard Group, Inc.	BUY	3.49	Ordinary	11,210	11,210
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	3.26	Ordinary	13,240	13,240
15-Aug-2018	Vanguard Investments Australia Ltd.	SELL	3.26	Ordinary	(8,800)	(8,800)
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	3.26	Ordinary	2,250	2,250
20-Aug-2018	Vanguard Investments Australia Ltd.	SELL	3.26	Ordinary	(10,876)	(10,876)
21-Aug-2018	Vanguard Investments Australia Ltd.	BUY	3.26	Ordinary	4,240	4,240
23-Aug-2018	Vanguard Investments Australia Ltd.	BUY	3.21	Ordinary	13,240	13,240
27-Aug-2018	Vanguard Investments Australia Ltd.	BUY	3.22	Ordinary	78,648	78,648
29-Aug-2018	Vanguard Investments Australia Ltd.	BUY	3.23	Ordinary	12,167	12,167
29-Aug-2018	Vanguard Investments Australia Ltd.	BUY	3.23	Ordinary	34,534	34,534
30-Aug-2018	Vanguard Investments Australia Ltd.	BUY	3.25	Ordinary	7,338	7,338
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	3.23	Ordinary	7,338	7,338
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.28	Ordinary	13,240	13,240
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.28	Ordinary	4,719	4,719
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.33	Ordinary	26,412	26,412
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.33	Ordinary	13,206	13,206
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.33	Ordinary	4,280	4,280
13-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.39	Ordinary	6,210	6,210
17-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.45	Ordinary	4,708	4,708
18-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.46	Ordinary	7,326	7,326
19-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.39	Ordinary	13,204	13,204
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.34	Ordinary	57,716	57,716
26-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	13,228	13,228
26-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	2,640	2,640
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.34	Ordinary	56,241	56,241
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.34	Ordinary	42,783	42,783
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	3.34	Ordinary	29,722	29,722
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	3.34	Ordinary	(65,425)	(65,425)
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	3.34	Ordinary	(7,362)	(7,362)
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	3,510	3,510
2-Oct-2018	Vanguard Investments Australia Ltd.	SELL	3.31	Ordinary	(6,005)	(6,005)
3-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.34	Ordinary	26,372	26,372
4-Oct-2018	Vanguard Investments Australia Ltd.	SELL	3.33	Ordinary	(5,120)	(5,120)
4-Oct-2018	Vanguard Investments Australia Ltd.	SELL	3.33	Ordinary	(147,512)	(147,512)
4-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.33	Ordinary	13,186	13,186
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.31	Ordinary	7,362	7,362
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.31	Ordinary	3,510	3,510

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10-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.31	Ordinary	9,135	9,135
11-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.28	Ordinary	4,680	4,680
15-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.24	Ordinary	19,635	19,635
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	58,307	58,307
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	8,211	8,211
23-Oct-2018	Vanguard Investments Australia Ltd.	SELL	3.36	Ordinary	(8,295)	(8,295)
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.36	Ordinary	7,365	7,365
24-Oct-2018	Vanguard Investments Australia Ltd.	SELL	3.40	Ordinary	(5,756)	(5,756)
24-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.40	Ordinary	5,796	5,796
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.39	Ordinary	13,090	13,090
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.39	Ordinary	4,910	4,910
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.39	Ordinary	6,762	6,762
29-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.45	Ordinary	73,353	73,353
31-Oct-2018	Vanguard Investments Australia Ltd.	SELL	3.46	Ordinary	(20,185)	(20,185)
31-Oct-2018	Vanguard Investments Australia Ltd.	SELL	3.46	Ordinary	(32,725)	(32,725)
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.46	Ordinary	1,461	1,461
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	3.46	Ordinary	7,792	7,792
1-Nov-2018	Vanguard Investments Australia Ltd.	SELL	3.38	Ordinary	(13,190)	(13,190)
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.38	Ordinary	974	974
2-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	19,635	19,635
2-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	13,090	13,090
2-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	6,331	6,331
9-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.46	Ordinary	13,118	13,118
12-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.49	Ordinary	7,878	7,878
13-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.48	Ordinary	7,371	7,371
14-Nov-2018	Vanguard Investments Australia Ltd.	SELL	3.43	Ordinary	(49,055)	(49,055)
15-Nov-2018	Vanguard Investments Australia Ltd.	SELL	3.43	Ordinary	(5,592)	(5,592)
20-Nov-2018	Vanguard Investments Australia Ltd.	SELL	3.41	Ordinary	(41,231)	(41,231)
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.43	Ordinary	7,882	7,882
27-Nov-2018	Vanguard Investments Australia Ltd.	SELL	3.61	Ordinary	(8,222)	(8,222)
27-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.61	Ordinary	7,392	7,392
29-Nov-2018	Vanguard Investments Australia Ltd.	SELL	3.56	Ordinary	(40,341)	(40,341)
29-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	6,677	6,677
30-Nov-2018	Vanguard Investments Australia Ltd.	BUY	3.49	Ordinary	13,072	13,072
30-Nov-2018	Vanguard Investments Australia Ltd.	SELL	3.49	Ordinary	(11,720)	(11,720)
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	8,424	8,424
6-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	19,274	19,274
6-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	13,366	13,366
6-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.65	Ordinary	8,643	8,643
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	12,700	12,700
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	7,620	7,620
12-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	342,988	342,988
14-Dec-2018	Vanguard Investments Australia Ltd.	SELL	3.66	Ordinary	(3,810)	(3,810)
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	20,058	20,058
20-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	52,912	52,912
20-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.66	Ordinary	13,372	13,372
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	13,331	13,331
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	448,815	448,815
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	34,339	34,339
27-Dec-2018	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	3,702	3,702
31-Dec-2018	Vanguard Investments Australia Ltd.	SELL	3.55	Ordinary	(62,250)	(62,250)
31-Dec-2018	Vanguard Investments Australia Ltd.	SELL	3.55	Ordinary	(8,170)	(8,170)
8-Jan-2019	Vanguard Investments Australia Ltd.	BUY	3.54	Ordinary	6,450	6,450
9-Jan-2019	Vanguard Investments Australia Ltd.	BUY	3.58	Ordinary	13,734	13,734
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	7,740	7,740
14-Jan-2019	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	7,230	7,230
16-Jan-2019	Vanguard Investments Australia Ltd.	SELL	3.65	Ordinary	(9,281)	(9,281)
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	54,743	54,743
22-Jan-2019	Vanguard Investments Australia Ltd.	BUY	3.66	Ordinary	20,598	20,598
23-Jan-2019	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	6,866	6,866
29-Jan-2019	Vanguard Investments Australia Ltd.	SELL	3.73	Ordinary	(50,965)	(50,965)
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	35,480	35,480
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	2,568	2,568
1-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.66	Ordinary	31,402	31,402

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4-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	64,900	64,900
4-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	13,732	13,732
5-Feb-2019	Vanguard Investments Australia Ltd.	SELL	3.71	Ordinary	(44,940)	(44,940)
7-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	45,117	45,117
7-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	15,030	15,030
7-Feb-2019	Vanguard Investments Australia Ltd.	SELL	3.63	Ordinary	(10,432)	(10,432)
7-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	9,640	9,640
12-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	4,830	4,830
14-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	20,733	20,733
15-Feb-2019	Vanguard Investments Australia Ltd.	SELL	3.75	Ordinary	(16,259)	(16,259)
19-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.81	Ordinary	7,986	7,986
20-Feb-2019	Vanguard Investments Australia Ltd.	SELL	3.72	Ordinary	(7,841)	(7,841)
25-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	15,710	15,710
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	6,911	6,911
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	7,245	7,245
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	7,260	7,260
27-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	8,525	8,525
27-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	63,800	63,800
28-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	6,961	6,961
28-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	20,733	20,733
28-Feb-2019	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	52,099	52,099
1-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	8,067	8,067
1-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.72	Ordinary	46,572	46,572
5-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.77	Ordinary	46,464	46,464
6-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	7,851	7,851
8-Mar-2019	Vanguard Investments Australia Ltd.	SELL	3.76	Ordinary	(10,896)	(10,896)
12-Mar-2019	Vanguard Investments Australia Ltd.	SELL	3.73	Ordinary	(12,069)	(12,069)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	8,230	8,230
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.71	Ordinary	167,511	167,511
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	6,911	6,911
19-Mar-2019	Vanguard Investments Australia Ltd.	BUY	3.66	Ordinary	20,799	20,799
20-Mar-2019	Vanguard Investments Australia Ltd.	SELL	3.62	Ordinary	(8,450)	(8,450)
29-Mar-2019	Vanguard Investments Australia Ltd.	SELL	3.74	Ordinary	(143,732)	(143,732)
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	3.67	Ordinary	(57,874)	(57,874)
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.68	Ordinary	4,375	4,375
4-Apr-2019	Vanguard Investments Australia Ltd.	SELL	3.62	Ordinary	(8,368)	(8,368)
4-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	6,904	6,904
5-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.59	Ordinary	20,712	20,712
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.61	Ordinary	6,904	6,904
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.61	Ordinary	5,000	5,000
9-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.59	Ordinary	130,772	130,772
10-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.61	Ordinary	6,897	6,897
12-Apr-2019	Vanguard Investments Australia Ltd.	SELL	3.63	Ordinary	(61,959)	(61,959)
15-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.61	Ordinary	13,790	13,790
16-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	52,487	52,487
29-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	20,682	20,682
29-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	13,788	13,788
30-Apr-2019	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	6,708	6,708
1-May-2019	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	2,527	2,527
1-May-2019	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	34,311	34,311
2-May-2019	Vanguard Investments Australia Ltd.	SELL	3.71	Ordinary	(24,214)	(24,214)
3-May-2019	Vanguard Investments Australia Ltd.	SELL	3.67	Ordinary	(9,464)	(9,464)
3-May-2019	Vanguard Investments Australia Ltd.	SELL	3.68	Ordinary	(75,208)	(75,208)
3-May-2019	Vanguard Investments Australia Ltd.	SELL	3.67	Ordinary	(61,995)	(61,995)
6-May-2019	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	25,048	25,048
7-May-2019	Vanguard Investments Australia Ltd.	SELL	3.59	Ordinary	(71,044)	(71,044)
9-May-2019	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	20,682	20,682
10-May-2019	Vanguard Investments Australia Ltd.	BUY	3.58	Ordinary	82,104	82,104
10-May-2019	Vanguard Investments Australia Ltd.	BUY	3.58	Ordinary	4,959	4,959
14-May-2019	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	13,684	13,684
16-May-2019	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	40,492	40,492
17-May-2019	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	5,510	5,510
21-May-2019	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	5,510	5,510
22-May-2019	Vanguard Investments Australia Ltd.	BUY	3.69	Ordinary	27,368	27,368

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
23-May-2019	Vanguard Investments Australia Ltd.	BUY	3.70	Ordinary	28,408	28,408
24-May-2019	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	13,682	13,682
27-May-2019	Vanguard Investments Australia Ltd.	SELL	3.73	Ordinary	(11,201)	(11,201)
28-May-2019	Vanguard Investments Australia Ltd.	SELL	3.73	Ordinary	(21,994)	(21,994)
28-May-2019	Vanguard Investments Australia Ltd.	BUY	3.73	Ordinary	8,100	8,100
29-May-2019	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	20,514	20,514
29-May-2019	Vanguard Investments Australia Ltd.	BUY	3.67	Ordinary	4,674	4,674
30-May-2019	Vanguard Investments Australia Ltd.	SELL	3.60	Ordinary	(94,535)	(94,535)
30-May-2019	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	13,592	13,592
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	8,100	8,100
6-Jun-2019	Vanguard Investments Australia Ltd.	SELL	3.63	Ordinary	(29,822)	(29,822)
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	13,594	13,594
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	9,180	9,180
7-Jun-2019	Vanguard Investments Australia Ltd.	SELL	3.70	Ordinary	(8,551)	(8,551)
11-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	27,188	27,188
14-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.77	Ordinary	20,391	20,391
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	4,672	4,672
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	6,104	6,104
20-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.91	Ordinary	20,391	20,391
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	38,644	38,644
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	27,188	27,188
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	41,096	41,096
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	4,578	4,578
25-Jun-2019	Vanguard Investments Australia Ltd.	SELL	3.90	Ordinary	(34,571)	(34,571)
25-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.90	Ordinary	4,696	4,696
27-Jun-2019	Vanguard Investments Australia Ltd.	SELL	3.75	Ordinary	(9,640)	(9,640)
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	27,580	27,580
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	3.75	Ordinary	5,341	5,341
28-Jun-2019	Vanguard Investments Australia Ltd.	SELL	3.69	Ordinary	(149,977)	(149,977)
1-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	13,418	13,418
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	10,620	10,620
3-Jul-2019	Vanguard Investments Australia Ltd.	SELL	3.80	Ordinary	(74,297)	(74,297)
3-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.80	Ordinary	26,820	26,820
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	4,740	4,740
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	4,740	4,740
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	26,728	26,728
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	4,668	4,668
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.80	Ordinary	20,046	20,046
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.82	Ordinary	9,420	9,420
17-Jul-2019	Vanguard Investments Australia Ltd.	SELL	3.82	Ordinary	(18,891)	(18,891)
17-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.82	Ordinary	13,364	13,364
18-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.81	Ordinary	6,930	6,930
22-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.79	Ordinary	20,046	20,046
22-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.79	Ordinary	13,364	13,364
25-Jul-2019	Vanguard Investments Australia Ltd.	SELL	3.81	Ordinary	(71,175)	(71,175)
25-Jul-2019	Vanguard Investments Australia Ltd.	SELL	3.82	Ordinary	(23,744)	(23,744)
25-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.81	Ordinary	20,046	20,046
29-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	13,364	13,364
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.80	Ordinary	8,624	8,624
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	13,364	13,364
1-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.78	Ordinary	64,893	64,893
2-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.84	Ordinary	13,350	13,350
5-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.83	Ordinary	4,614	4,614
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	26,110	26,110
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	13,350	13,350
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	9,006	9,006
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	7,209	7,209
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.76	Ordinary	7,209	7,209
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.79	Ordinary	39,990	39,990
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.80	Ordinary	20,022	20,022
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.80	Ordinary	8,712	8,712
9-Aug-2019	Vanguard Investments Australia Ltd.	SELL	3.83	Ordinary	(8,144)	(8,144)
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.83	Ordinary	20,022	20,022
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.83	Ordinary	11,700	11,700

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	8,855	8,855
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.84	Ordinary	13,408	13,408
19-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.79	Ordinary	13,398	13,398
21-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.84	Ordinary	20,094	20,094
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.84	Ordinary	192,321	192,321
28-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	7,999	7,999
28-Aug-2019	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	310,283	310,283
29-Aug-2019	Vanguard Investments Australia Ltd.	SELL	3.86	Ordinary	(9,496)	(9,496)
30-Aug-2019	Vanguard Investments Australia Ltd.	SELL	3.90	Ordinary	(18,685)	(18,685)
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	20,097	20,097
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	4,750	4,750
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	17,072	17,072
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	54,322	54,322
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	26,448	26,448
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	7,200	7,200
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	20,079	20,079
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	52,782	52,782
6-Sep-2019	Vanguard Investments Australia Ltd.	SELL	3.91	Ordinary	(15,124)	(15,124)
9-Sep-2019	Vanguard Investments Australia Ltd.	SELL	3.94	Ordinary	(7,699)	(7,699)
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.91	Ordinary	26,772	26,772
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.91	Ordinary	7,152	7,152
11-Sep-2019	Vanguard Investments Australia Ltd.	SELL	3.91	Ordinary	(10,098)	(10,098)
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.90	Ordinary	20,079	20,079
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	20,076	20,076
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	14,155	14,155
18-Sep-2019	Vanguard Investments Australia Ltd.	SELL	3.85	Ordinary	(25,840)	(25,840)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	7,440	7,440
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.91	Ordinary	19,986	19,986
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.91	Ordinary	11,310	11,310
24-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	75,733	75,733
24-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	13,324	13,324
25-Sep-2019	Vanguard Investments Australia Ltd.	SELL	3.98	Ordinary	(25,359)	(25,359)
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.98	Ordinary	10,304	10,304
26-Sep-2019	Vanguard Investments Australia Ltd.	BUY	3.98	Ordinary	19,995	19,995
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	7,158	7,158
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	8,640	8,640
1-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	61,639	61,639
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	3.98	Ordinary	38,388	38,388
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	33,170	33,170
2-Oct-2019	Vanguard Investments Australia Ltd.	SELL	3.97	Ordinary	(16,992)	(16,992)
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	13,452	13,452
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	24,087	24,087
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	3.95	Ordinary	11,951	11,951
7-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	37,672	37,672
9-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	33,125	33,125
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.12	Ordinary	9,532	9,532
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.12	Ordinary	9,532	9,532
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.12	Ordinary	5,496	5,496
14-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.15	Ordinary	69,374	69,374
14-Oct-2019	Vanguard Investments Australia Ltd.	SELL	4.15	Ordinary	(24,272)	(24,272)
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.25	Ordinary	82,211	82,211
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.25	Ordinary	26,500	26,500
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.26	Ordinary	33,376	33,376
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.26	Ordinary	6,410	6,410
21-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.30	Ordinary	19,860	19,860
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.27	Ordinary	6,440	6,440
23-Oct-2019	Vanguard Investments Australia Ltd.	SELL	4.24	Ordinary	(7,026)	(7,026)
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	23,419	23,419
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	19,857	19,857
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	6,680	6,680
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	16,625	16,625
30-Oct-2019	Vanguard Investments Australia Ltd.	SELL	4.16	Ordinary	(5,967)	(5,967)
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.15	Ordinary	26,480	26,480
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	4.15	Ordinary	(8,088)	(8,088)

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	4.15	Ordinary	16,176	16,176
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	4.19	Ordinary	(13,318)	(13,318)
4-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	13,240	13,240
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	4.16	Ordinary	(51,659)	(51,659)
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	8,460	8,460
6-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.15	Ordinary	26,460	26,460
7-Nov-2019	Vanguard Investments Australia Ltd.	SELL	4.19	Ordinary	(6,024)	(6,024)
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.14	Ordinary	33,037	33,037
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.14	Ordinary	13,230	13,230
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.14	Ordinary	19,048	19,048
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.14	Ordinary	9,524	9,524
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.14	Ordinary	16,667	16,667
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.13	Ordinary	19,845	19,845
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.13	Ordinary	7,832	7,832
13-Nov-2019	Vanguard Investments Australia Ltd.	SELL	4.06	Ordinary	(45,785)	(45,785)
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.06	Ordinary	7,164	7,164
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.06	Ordinary	2,169	2,169
15-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.17	Ordinary	13,228	13,228
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	19,072	19,072
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	11,920	11,920
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	9,100	9,100
20-Nov-2019	Vanguard Investments Australia Ltd.	SELL	4.17	Ordinary	(34,552)	(34,552)
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.17	Ordinary	19,827	19,827
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.17	Ordinary	19,827	19,827
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.17	Ordinary	4,809	4,809
21-Nov-2019	Vanguard Investments Australia Ltd.	SELL	4.15	Ordinary	(6,970)	(6,970)
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.15	Ordinary	14,280	14,280
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.18	Ordinary	13,220	13,220
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.21	Ordinary	39,243	39,243
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.21	Ordinary	11,885	11,885
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.21	Ordinary	21,393	21,393
26-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.22	Ordinary	13,220	13,220
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	4.22	Ordinary	(24,061)	(24,061)
27-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.25	Ordinary	26,440	26,440
28-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.26	Ordinary	33,045	33,045
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	4.26	Ordinary	8,340	8,340
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.26	Ordinary	26,436	26,436
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.26	Ordinary	19,827	19,827
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.26	Ordinary	23,676	23,676
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	23,923	23,923
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	26,432	26,432
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	26,432	26,432
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.16	Ordinary	15,312	15,312
6-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.24	Ordinary	(5,924)	(5,924)
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	19,824	19,824
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	40,306	40,306
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.24	Ordinary	8,532	8,532
10-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.20	Ordinary	(4,604)	(4,604)
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.19	Ordinary	11,110	11,110
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.19	Ordinary	19,824	19,824
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.19	Ordinary	19,824	19,824
12-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.10	Ordinary	(30,377)	(30,377)
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	26,408	26,408
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	26,408	26,408
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	7,120	7,120
16-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.08	Ordinary	6,876	6,876
17-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.11	Ordinary	(6,127)	(6,127)
17-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.11	Ordinary	(25,643)	(25,643)
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	26,408	26,408
18-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.08	Ordinary	(25,643)	(25,643)
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	9,954	9,954
19-Dec-2019	Vanguard Investments Australia Ltd.	SELL	4.07	Ordinary	(26,982)	(26,982)
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	26,408	26,408
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.03	Ordinary	15,429	15,429

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.03	Ordinary	16,169	16,169
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.03	Ordinary	26,408	26,408
23-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.04	Ordinary	19,746	19,746
27-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.09	Ordinary	4,576	4,576
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	5,576	5,576
31-Dec-2019	Vanguard Investments Australia Ltd.	SELL	3.92	Ordinary	(7,463)	(7,463)
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	13,318	13,318
31-Dec-2019	Vanguard Investments Australia Ltd.	SELL	3.92	Ordinary	(14,095)	(14,095)
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	3,425	3,425
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	3.92	Ordinary	8,304	8,304
3-Jan-2020	Vanguard Investments Australia Ltd.	BUY	3.94	Ordinary	26,372	26,372
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	4,182	4,182
8-Jan-2020	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	13,186	13,186
8-Jan-2020	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	10,545	10,545
9-Jan-2020	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	13,186	13,186
9-Jan-2020	Vanguard Investments Australia Ltd.	SELL	3.97	Ordinary	(5,664)	(5,664)
10-Jan-2020	Vanguard Investments Australia Ltd.	SELL	3.97	Ordinary	(39,538)	(39,538)
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	19,779	19,779
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	6,750	6,750
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	3.97	Ordinary	10,770	10,770
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.00	Ordinary	6,750	6,750
15-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.02	Ordinary	19,779	19,779
20-Jan-2020	Vanguard Investments Australia Ltd.	SELL	4.07	Ordinary	(8,649)	(8,649)
20-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	19,779	19,779
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.09	Ordinary	10,740	10,740
28-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	19,776	19,776
30-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.11	Ordinary	19,776	19,776
30-Jan-2020	Vanguard Investments Australia Ltd.	BUY	4.11	Ordinary	10,500	10,500
31-Jan-2020	Vanguard Investments Australia Ltd.	SELL	4.11	Ordinary	(2,384)	(2,384)
3-Feb-2020	Vanguard Investments Australia Ltd.	BUY	4.09	Ordinary	19,776	19,776
7-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.98	Ordinary	6,940	6,940
10-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.96	Ordinary	21,205	21,205
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.98	Ordinary	26,368	26,368
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.98	Ordinary	13,420	13,420
12-Feb-2020	Vanguard Investments Australia Ltd.	SELL	3.98	Ordinary	(2,487)	(2,487)
13-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.99	Ordinary	26,480	26,480
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	4.03	Ordinary	(22,193)	(22,193)
19-Feb-2020	Vanguard Investments Australia Ltd.	BUY	4.07	Ordinary	19,857	19,857
21-Feb-2020	Vanguard Investments Australia Ltd.	BUY	4.05	Ordinary	19,857	19,857
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	13,240	13,240
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.87	Ordinary	11,680	11,680
27-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.88	Ordinary	48,212	48,212
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	3.79	Ordinary	(25,773)	(25,773)
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.79	Ordinary	8,575	8,575
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.79	Ordinary	111,524	111,524
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	3.79	Ordinary	(9,534)	(9,534)
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	3.79	Ordinary	10,785	10,785
2-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.74	Ordinary	6,687	6,687
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.81	Ordinary	19,770	19,770
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.81	Ordinary	19,278	19,278
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.79	Ordinary	12,138	12,138
5-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.85	Ordinary	(2,427)	(2,427)
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.85	Ordinary	9,204	9,204
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	19,110	19,110
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	25,515	25,515
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	13,176	13,176
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.63	Ordinary	23,851	23,851
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.62	Ordinary	6,749	6,749
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	14,720	14,720
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.60	Ordinary	18,400	18,400
12-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.38	Ordinary	(204,591)	(204,591)
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	48,349	48,349
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	22,230	22,230
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	12,597	12,597

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.46	Ordinary	(22,423)	(22,423)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.46	Ordinary	29,330	29,330
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.46	Ordinary	22,680	22,680
16-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.17	Ordinary	(2,466)	(2,466)
16-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.20	Ordinary	(234,353)	(234,353)
16-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.17	Ordinary	26,460	26,460
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.26	Ordinary	(43,246)	(43,246)
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.26	Ordinary	(183,212)	(183,212)
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.26	Ordinary	19,100	19,100
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	2.98	Ordinary	(356,493)	(356,493)
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.13	Ordinary	(2,667)	(2,667)
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.92	Ordinary	19,486	19,486
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.92	Ordinary	22,860	22,860
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.90	Ordinary	2,123	2,123
19-Mar-2020	Vanguard Investments Australia Ltd.	SELL	2.91	Ordinary	(297,666)	(297,666)
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.90	Ordinary	16,583	16,583
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	19,719	19,719
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	12,373	12,373
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	19,767	19,767
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.83	Ordinary	24,614	24,614
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	2.73	Ordinary	10,710	10,710
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.42	Ordinary	112,183	112,183
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.42	Ordinary	12,315	12,315
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.36	Ordinary	13,854	13,854
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.36	Ordinary	8,219	8,219
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	19,797	19,797
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	26,396	26,396
27-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.30	Ordinary	(19,872)	(19,872)
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.30	Ordinary	18,400	18,400
30-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.30	Ordinary	(2,218)	(2,218)
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.35	Ordinary	(18,404)	(18,404)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	46,036	46,036
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	3.34	Ordinary	(274,409)	(274,409)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	26,444	26,444
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	3.35	Ordinary	14,720	14,720
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.29	Ordinary	28,914	28,914
1-Apr-2020	Vanguard Investments Australia Ltd.	SELL	3.29	Ordinary	(11,353)	(11,353)
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.29	Ordinary	10,257	10,257
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.17	Ordinary	29,362	29,362
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.17	Ordinary	11,640	11,640
3-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.17	Ordinary	3,632	3,632
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.42	Ordinary	32,670	32,670
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.42	Ordinary	25,690	25,690
8-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.37	Ordinary	29,243	29,243
9-Apr-2020	Vanguard Investments Australia Ltd.	SELL	3.43	Ordinary	(22,914)	(22,914)
9-Apr-2020	Vanguard Investments Australia Ltd.	SELL	3.43	Ordinary	(2,349)	(2,349)
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.43	Ordinary	24,378	24,378
14-Apr-2020	Vanguard Investments Australia Ltd.	SELL	3.40	Ordinary	(30,364)	(30,364)
14-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.40	Ordinary	26,132	26,132
14-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.40	Ordinary	26,132	26,132
14-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.40	Ordinary	26,132	26,132
14-Apr-2020	Vanguard Investments Australia Ltd.	SELL	3.40	Ordinary	(7,801)	(7,801)
15-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.43	Ordinary	14,700	14,700
16-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.45	Ordinary	36,458	36,458
20-Apr-2020	Vanguard Investments Australia Ltd.	SELL	3.47	Ordinary	(5,731)	(5,731)
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.38	Ordinary	5,443	5,443
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	13,141	13,141
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	15,460	15,460
22-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.32	Ordinary	26,060	26,060
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.34	Ordinary	11,550	11,550
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	26,060	26,060
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	14,112	14,112
29-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.43	Ordinary	6,627	6,627
30-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.53	Ordinary	18,477	18,477

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
30-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.53	Ordinary	10,204	10,204
30-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.53	Ordinary	26,060	26,060
30-Apr-2020	Vanguard Investments Australia Ltd.	BUY	3.53	Ordinary	8,836	8,836
1-May-2020	Vanguard Investments Australia Ltd.	SELL	3.44	Ordinary	(20,573)	(20,573)
1-May-2020	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	19,545	19,545
1-May-2020	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	15,420	15,420
1-May-2020	Vanguard Investments Australia Ltd.	BUY	3.44	Ordinary	11,565	11,565
4-May-2020	Vanguard Investments Australia Ltd.	BUY	3.50	Ordinary	21,560	21,560
6-May-2020	Vanguard Investments Australia Ltd.	SELL	3.55	Ordinary	(9,893)	(9,893)
8-May-2020	Vanguard Investments Australia Ltd.	BUY	3.51	Ordinary	788	788
11-May-2020	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	102,176	102,176
11-May-2020	Vanguard Investments Australia Ltd.	BUY	3.53	Ordinary	3,738	3,738
11-May-2020	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	38,964	38,964
12-May-2020	Vanguard Investments Australia Ltd.	SELL	3.56	Ordinary	(2,790)	(2,790)
12-May-2020	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	19,422	19,422
12-May-2020	Vanguard Investments Australia Ltd.	BUY	3.56	Ordinary	10,934	10,934
13-May-2020	Vanguard Investments Australia Ltd.	BUY	3.49	Ordinary	11,715	11,715
18-May-2020	Vanguard Investments Australia Ltd.	BUY	3.50	Ordinary	15,145	15,145
19-May-2020	Vanguard Investments Australia Ltd.	BUY	3.52	Ordinary	85,361	85,361
19-May-2020	Vanguard Investments Australia Ltd.	BUY	3.52	Ordinary	15,640	15,640

This is Annexure A of 13 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 21 May 2020