

**Form 604**Corporations Act 2001  
Section 671B**Notice of change of interests of substantial holder**

To Company Name/Scheme Iluka Resources Limited

ACN/ARSN 008 675 018

**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 18 March 2020

The previous notice was given to the company on 15 February 2019

The previous notice was dated 15 February 2019

**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)
<b>Total</b>	<b>21,123,617</b>	<b>5.00091%</b>	<b>25,373,149</b>	<b>6.004%</b>

**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
<b>See Annexure A</b>					

**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	<b>Brown Brothers Harriman</b>	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.	<b>Ordinary – 380,182</b>	<b>380,182</b>
Vanguard Group	<b>BNY Mellon</b>	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.	<b>Ordinary – 1,130,767</b>	<b>1,130,767</b>
Vanguard Group	<b>Citibank</b>	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.	<b>Ordinary – 5,238</b>	<b>5,238</b>
Vanguard Group	<b>JP Morgan Chase Bank, N.A.</b>	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.	<b>Ordinary – 14,132,352</b>	<b>14,132,352</b>
Vanguard Group	<b>State Street Bank and Trust Company</b>	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.	<b>Ordinary – 3,037,999</b>	<b>3,037,999</b>
Vanguard Group	<b>Various Others</b>	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.	<b>Ordinary – 6,686,611</b>	<b>6,686,611</b>

**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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**Signature**

print name Shawn Acker capacity Compliance Manager

sign here  date 20 March 2020

To Company  
ACN/ARSN

Iluka Resources Limited  
008 675 018

Substantial Holder Name  
ACN/ARSN

Vanguard Group  
N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
26-Feb-19	The Vanguard Group, Inc.	Buy	9.14	Ordinary	3,570	3,570
1-Mar-19	The Vanguard Group, Inc.	Buy	9.14	Ordinary	5,353	5,353
1-Mar-19	The Vanguard Group, Inc.	Buy	9.14	Ordinary	494	494
5-Mar-19	The Vanguard Group, Inc.	Buy	9.04	Ordinary	4,284	4,284
5-Mar-19	The Vanguard Group, Inc.	Buy	9.04	Ordinary	10,084	10,084
8-Mar-19	The Vanguard Group, Inc.	Buy	8.70	Ordinary	3,570	3,570
8-Mar-19	The Vanguard Group, Inc.	Buy	8.79	Ordinary	462	462
15-Mar-19	The Vanguard Group, Inc.	Sell	8.76	Ordinary	(1,455)	(1,455)
15-Mar-19	The Vanguard Group, Inc.	Buy	8.76	Ordinary	478	478
15-Mar-19	The Vanguard Group, Inc.	Buy	8.77	Ordinary	12,653	12,653
20-Mar-19	The Vanguard Group, Inc.	Buy	8.92	Ordinary	2,142	2,142
21-Mar-19	The Vanguard Group, Inc.	Buy	9.10	Ordinary	462	462
29-Mar-19	The Vanguard Group, Inc.	Buy	9.02	Ordinary	84,089	84,089
1-Apr-19	The Vanguard Group, Inc.	Buy	9.50	Ordinary	2,856	2,856
2-Apr-19	The Vanguard Group, Inc.	Buy	9.56	Ordinary	1,104	1,104
4-Apr-19	The Vanguard Group, Inc.	Buy	9.50	Ordinary	883	883
12-Apr-19	The Vanguard Group, Inc.	Buy	9.11	Ordinary	30,657	30,657
24-Apr-19	The Vanguard Group, Inc.	Buy	8.90	Ordinary	6,103	6,103
26-Apr-19	The Vanguard Group, Inc.	Buy	8.84	Ordinary	2,245	2,245
3-May-19	The Vanguard Group, Inc.	Buy	8.50	Ordinary	87,266	87,266
3-May-19	The Vanguard Group, Inc.	Buy	8.50	Ordinary	1,566	1,566
3-May-19	The Vanguard Group, Inc.	Buy	8.51	Ordinary	883	883
6-May-19	The Vanguard Group, Inc.	Sell	8.32	Ordinary	(1,476)	(1,476)
7-May-19	The Vanguard Group, Inc.	Buy	8.46	Ordinary	2,932	2,932
7-May-19	The Vanguard Group, Inc.	Buy	8.59	Ordinary	883	883
8-May-19	The Vanguard Group, Inc.	Sell	8.46	Ordinary	(1,476)	(1,476)
8-May-19	The Vanguard Group, Inc.	Buy	8.48	Ordinary	462	462
9-May-19	The Vanguard Group, Inc.	Buy	8.39	Ordinary	2,694	2,694
10-May-19	The Vanguard Group, Inc.	Buy	8.65	Ordinary	462	462
10-May-19	The Vanguard Group, Inc.	Buy	8.65	Ordinary	615	615
14-May-19	The Vanguard Group, Inc.	Sell	8.57	Ordinary	(1,476)	(1,476)
14-May-19	The Vanguard Group, Inc.	Buy	8.52	Ordinary	83,110	83,110
17-May-19	The Vanguard Group, Inc.	Buy	9.06	Ordinary	4,094	4,094
23-May-19	The Vanguard Group, Inc.	Sell	9.23	Ordinary	(4,781)	(4,781)
28-May-19	The Vanguard Group, Inc.	Buy	9.40	Ordinary	2,245	2,245
29-May-19	The Vanguard Group, Inc.	Buy	9.53	Ordinary	89,382	89,382
29-May-19	The Vanguard Group, Inc.	Sell	9.63	Ordinary	(369)	(369)
29-May-19	The Vanguard Group, Inc.	Buy	9.63	Ordinary	2,816	2,816
30-May-19	The Vanguard Group, Inc.	Buy	9.91	Ordinary	462	462
5-Jun-19	The Vanguard Group, Inc.	Sell	9.52	Ordinary	(1,968)	(1,968)
5-Jun-19	The Vanguard Group, Inc.	Sell	9.52	Ordinary	(984)	(984)
5-Jun-19	The Vanguard Group, Inc.	Sell	9.47	Ordinary	(883)	(883)
11-Jun-19	The Vanguard Group, Inc.	Sell	10.04	Ordinary	(875)	(875)
11-Jun-19	The Vanguard Group, Inc.	Buy	10.08	Ordinary	462	462
12-Jun-19	The Vanguard Group, Inc.	Buy	10.20	Ordinary	562	562
14-Jun-19	The Vanguard Group, Inc.	Sell	10.48	Ordinary	(525)	(525)
18-Jun-19	The Vanguard Group, Inc.	Sell	10.51	Ordinary	(5,149)	(5,149)
19-Jun-19	The Vanguard Group, Inc.	Buy	10.57	Ordinary	20,542	20,542
20-Jun-19	The Vanguard Group, Inc.	Sell	10.63	Ordinary	(166,284)	(166,284)
21-Jun-19	The Vanguard Group, Inc.	Buy	10.78	Ordinary	1,339	1,339
21-Jun-19	The Vanguard Group, Inc.	Buy	10.78	Ordinary	2,973	2,973
25-Jun-19	The Vanguard Group, Inc.	Sell	10.71	Ordinary	(321)	(321)
26-Jun-19	The Vanguard Group, Inc.	Buy	10.94	Ordinary	26,451	26,451
26-Jun-19	The Vanguard Group, Inc.	Buy	10.98	Ordinary	883	883
27-Jun-19	The Vanguard Group, Inc.	Sell	11.00	Ordinary	(575)	(575)
1-Jul-19	The Vanguard Group, Inc.	Buy	10.77	Ordinary	5,466	5,466
9-Jul-19	The Vanguard Group, Inc.	Buy	10.55	Ordinary	220	220
10-Jul-19	The Vanguard Group, Inc.	Buy	10.51	Ordinary	1,164	1,164

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
16-Jul-19	The Vanguard Group, Inc.	Sell	10.77	Ordinary	(115,901)	(115,901)
17-Jul-19	The Vanguard Group, Inc.	Buy	10.77	Ordinary	5,394	5,394
19-Jul-19	The Vanguard Group, Inc.	Sell	10.88	Ordinary	(10,770)	(10,770)
23-Jul-19	The Vanguard Group, Inc.	Buy	11.10	Ordinary	462	462
30-Jul-19	The Vanguard Group, Inc.	Sell	9.46	Ordinary	(428)	(428)
30-Jul-19	The Vanguard Group, Inc.	Buy	9.46	Ordinary	751	751
5-Aug-19	The Vanguard Group, Inc.	Buy	8.79	Ordinary	596	596
6-Aug-19	The Vanguard Group, Inc.	Buy	8.59	Ordinary	8,208	8,208
8-Aug-19	The Vanguard Group, Inc.	Sell	8.51	Ordinary	(535)	(535)
12-Aug-19	The Vanguard Group, Inc.	Buy	8.62	Ordinary	298	298
13-Aug-19	The Vanguard Group, Inc.	Sell	8.60	Ordinary	(749)	(749)
13-Aug-19	The Vanguard Group, Inc.	Buy	8.53	Ordinary	1,591	1,591
14-Aug-19	The Vanguard Group, Inc.	Buy	8.58	Ordinary	220	220
15-Aug-19	The Vanguard Group, Inc.	Sell	8.35	Ordinary	(1,350)	(1,350)
15-Aug-19	The Vanguard Group, Inc.	Buy	8.37	Ordinary	89,138	89,138
15-Aug-19	The Vanguard Group, Inc.	Sell	8.38	Ordinary	(133,939)	(133,939)
16-Aug-19	The Vanguard Group, Inc.	Buy	8.36	Ordinary	50,896	50,896
16-Aug-19	The Vanguard Group, Inc.	Buy	8.36	Ordinary	9,249	9,249
19-Aug-19	The Vanguard Group, Inc.	Sell	8.42	Ordinary	(579)	(579)
22-Aug-19	The Vanguard Group, Inc.	Sell	7.47	Ordinary	(17,120)	(17,120)
6-Sep-19	The Vanguard Group, Inc.	Buy	7.60	Ordinary	266	266
16-Sep-19	The Vanguard Group, Inc.	Buy	7.59	Ordinary	675	675
17-Sep-19	The Vanguard Group, Inc.	Buy	7.44	Ordinary	378	378
24-Sep-19	The Vanguard Group, Inc.	Buy	7.84	Ordinary	19,848	19,848
24-Sep-19	The Vanguard Group, Inc.	Buy	7.85	Ordinary	12,368	12,368
25-Sep-19	The Vanguard Group, Inc.	Buy	7.78	Ordinary	19,817	19,817
25-Sep-19	The Vanguard Group, Inc.	Buy	7.75	Ordinary	11,246	11,246
26-Sep-19	The Vanguard Group, Inc.	Buy	7.82	Ordinary	50,930	50,930
27-Sep-19	The Vanguard Group, Inc.	Buy	7.89	Ordinary	3,760	3,760
27-Sep-19	The Vanguard Group, Inc.	Buy	7.86	Ordinary	36,588	36,588
30-Sep-19	The Vanguard Group, Inc.	Buy	8.01	Ordinary	6,161	6,161
30-Sep-19	The Vanguard Group, Inc.	Buy	8.02	Ordinary	23,024	23,024
1-Oct-19	The Vanguard Group, Inc.	Buy	8.14	Ordinary	25,113	25,113
1-Oct-19	The Vanguard Group, Inc.	Buy	8.13	Ordinary	1,307	1,307
1-Oct-19	The Vanguard Group, Inc.	Buy	8.05	Ordinary	4,389	4,389
1-Oct-19	The Vanguard Group, Inc.	Buy	8.18	Ordinary	14,062	14,062
1-Oct-19	The Vanguard Group, Inc.	Buy	8.18	Ordinary	809	809
2-Oct-19	The Vanguard Group, Inc.	Buy	7.99	Ordinary	14,879	14,879
2-Oct-19	The Vanguard Group, Inc.	Buy	7.99	Ordinary	21,730	21,730
3-Oct-19	The Vanguard Group, Inc.	Buy	7.89	Ordinary	18,631	18,631
3-Oct-19	The Vanguard Group, Inc.	Buy	7.91	Ordinary	25,938	25,938
3-Oct-19	The Vanguard Group, Inc.	Buy	7.86	Ordinary	24,885	24,885
4-Oct-19	The Vanguard Group, Inc.	Buy	7.92	Ordinary	19,920	19,920
7-Oct-19	The Vanguard Group, Inc.	Buy	7.80	Ordinary	12,831	12,831
8-Oct-19	The Vanguard Group, Inc.	Buy	7.82	Ordinary	186	186
8-Oct-19	The Vanguard Group, Inc.	Buy	7.84	Ordinary	61,453	61,453
9-Oct-19	The Vanguard Group, Inc.	Buy	7.68	Ordinary	21,936	21,936
9-Oct-19	The Vanguard Group, Inc.	Buy	7.63	Ordinary	31,412	31,412
18-Oct-19	The Vanguard Group, Inc.	Sell	8.35	Ordinary	(3,530)	(3,530)
21-Oct-19	The Vanguard Group, Inc.	Buy	8.59	Ordinary	262	262
25-Oct-19	The Vanguard Group, Inc.	Sell	8.77	Ordinary	(4,476)	(4,476)
25-Oct-19	The Vanguard Group, Inc.	Buy	8.73	Ordinary	262	262
25-Oct-19	The Vanguard Group, Inc.	Buy	8.73	Ordinary	5,566	5,566
4-Nov-19	The Vanguard Group, Inc.	Sell	9.07	Ordinary	(15,031)	(15,031)
7-Nov-19	The Vanguard Group, Inc.	Sell	8.93	Ordinary	(77,648)	(77,648)
8-Nov-19	The Vanguard Group, Inc.	Buy	9.07	Ordinary	262	262
8-Nov-19	The Vanguard Group, Inc.	Buy	9.07	Ordinary	21,137	21,137
19-Nov-19	The Vanguard Group, Inc.	Buy	9.24	Ordinary	262	262
21-Nov-19	The Vanguard Group, Inc.	Buy	9.16	Ordinary	4	4
25-Nov-19	The Vanguard Group, Inc.	Buy	9.37	Ordinary	3,921	3,921
26-Nov-19	The Vanguard Group, Inc.	Buy	9.40	Ordinary	2	2
26-Nov-19	The Vanguard Group, Inc.	Buy	9.39	Ordinary	9,882	9,882
27-Nov-19	The Vanguard Group, Inc.	Buy	9.55	Ordinary	809	809
29-Nov-19	The Vanguard Group, Inc.	Buy	9.53	Ordinary	4	4
29-Nov-19	The Vanguard Group, Inc.	Buy	9.52	Ordinary	262	262

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
2-Dec-19	The Vanguard Group, Inc.	Buy	9.30	Ordinary	7,504	7,504
3-Dec-19	The Vanguard Group, Inc.	Buy	9.17	Ordinary	262	262
3-Dec-19	The Vanguard Group, Inc.	Buy	9.17	Ordinary	524	524
6-Dec-19	The Vanguard Group, Inc.	Sell	9.44	Ordinary	(243,004)	(243,004)
10-Dec-19	The Vanguard Group, Inc.	Buy	9.58	Ordinary	262	262
11-Dec-19	The Vanguard Group, Inc.	Buy	9.50	Ordinary	309	309
12-Dec-19	The Vanguard Group, Inc.	Buy	9.38	Ordinary	477	477
20-Dec-19	The Vanguard Group, Inc.	Sell	9.41	Ordinary	(4,136)	(4,136)
20-Dec-19	The Vanguard Group, Inc.	Buy	9.42	Ordinary	11,499	11,499
20-Dec-19	The Vanguard Group, Inc.	Sell	9.41	Ordinary	(3,291)	(3,291)
23-Dec-19	The Vanguard Group, Inc.	Sell	9.33	Ordinary	(2,637)	(2,637)
23-Dec-19	The Vanguard Group, Inc.	Buy	9.33	Ordinary	7,504	7,504
23-Dec-19	The Vanguard Group, Inc.	Buy	9.33	Ordinary	1,608	1,608
23-Dec-19	The Vanguard Group, Inc.	Sell	9.32	Ordinary	(168,477)	(168,477)
24-Dec-19	The Vanguard Group, Inc.	Buy	9.29	Ordinary	3,216	3,216
26-Dec-19	The Vanguard Group, Inc.	Buy	9.32	Ordinary	8,040	8,040
30-Dec-19	The Vanguard Group, Inc.	Buy	9.42	Ordinary	2,027	2,027
31-Dec-19	The Vanguard Group, Inc.	Buy	9.30	Ordinary	262	262
31-Dec-19	The Vanguard Group, Inc.	Buy	9.30	Ordinary	262	262
7-Jan-20	The Vanguard Group, Inc.	Buy	9.21	Ordinary	62,308	62,308
7-Jan-20	The Vanguard Group, Inc.	Buy	9.28	Ordinary	1,289	1,289
8-Jan-20	The Vanguard Group, Inc.	Buy	9.15	Ordinary	262	262
9-Jan-20	The Vanguard Group, Inc.	Buy	9.24	Ordinary	9,648	9,648
10-Jan-20	The Vanguard Group, Inc.	Buy	9.32	Ordinary	262	262
13-Jan-20	The Vanguard Group, Inc.	Buy	9.29	Ordinary	810	810
13-Jan-20	The Vanguard Group, Inc.	Buy	9.29	Ordinary	262	262
15-Jan-20	The Vanguard Group, Inc.	Buy	9.58	Ordinary	4,288	4,288
15-Jan-20	The Vanguard Group, Inc.	Buy	9.57	Ordinary	262	262
16-Jan-20	The Vanguard Group, Inc.	Buy	9.50	Ordinary	4,824	4,824
17-Jan-20	The Vanguard Group, Inc.	Buy	9.60	Ordinary	4,288	4,288
17-Jan-20	The Vanguard Group, Inc.	Buy	9.60	Ordinary	4,824	4,824
22-Jan-20	The Vanguard Group, Inc.	Buy	9.56	Ordinary	3,216	3,216
22-Jan-20	The Vanguard Group, Inc.	Buy	9.60	Ordinary	810	810
23-Jan-20	The Vanguard Group, Inc.	Buy	9.42	Ordinary	2,680	2,680
28-Jan-20	The Vanguard Group, Inc.	Buy	8.93	Ordinary	262	262
31-Jan-20	The Vanguard Group, Inc.	Buy	9.74	Ordinary	62,462	62,462
31-Jan-20	The Vanguard Group, Inc.	Buy	9.56	Ordinary	3,216	3,216
31-Jan-20	The Vanguard Group, Inc.	Buy	9.56	Ordinary	3,216	3,216
31-Jan-20	The Vanguard Group, Inc.	Buy	9.72	Ordinary	3,386	3,386
31-Jan-20	The Vanguard Group, Inc.	Buy	9.72	Ordinary	1,808	1,808
3-Feb-20	The Vanguard Group, Inc.	Buy	9.33	Ordinary	2,430	2,430
4-Feb-20	The Vanguard Group, Inc.	Buy	9.30	Ordinary	262	262
5-Feb-20	The Vanguard Group, Inc.	Buy	9.85	Ordinary	10,184	10,184
5-Feb-20	The Vanguard Group, Inc.	Buy	9.85	Ordinary	3,752	3,752
10-Feb-20	The Vanguard Group, Inc.	Buy	9.67	Ordinary	4,986	4,986
10-Feb-20	The Vanguard Group, Inc.	Buy	9.60	Ordinary	810	810
11-Feb-20	The Vanguard Group, Inc.	Buy	9.64	Ordinary	3,324	3,324
11-Feb-20	The Vanguard Group, Inc.	Buy	9.64	Ordinary	262	262
11-Feb-20	The Vanguard Group, Inc.	Buy	9.64	Ordinary	262	262
11-Feb-20	The Vanguard Group, Inc.	Buy	9.64	Ordinary	4,038	4,038
13-Feb-20	The Vanguard Group, Inc.	Buy	9.51	Ordinary	7,202	7,202
13-Feb-20	The Vanguard Group, Inc.	Sell	9.55	Ordinary	(53,848)	(53,848)
13-Feb-20	The Vanguard Group, Inc.	Sell	9.48	Ordinary	(65,262)	(65,262)
13-Feb-20	The Vanguard Group, Inc.	Buy	9.51	Ordinary	262	262
14-Feb-20	The Vanguard Group, Inc.	Buy	9.52	Ordinary	3,324	3,324
18-Feb-20	The Vanguard Group, Inc.	Buy	9.39	Ordinary	1,970	1,970
19-Feb-20	The Vanguard Group, Inc.	Buy	9.40	Ordinary	62,187	62,187
19-Feb-20	The Vanguard Group, Inc.	Buy	9.46	Ordinary	2,770	2,770
20-Feb-20	The Vanguard Group, Inc.	Buy	10.03	Ordinary	5,677	5,677
21-Feb-20	The Vanguard Group, Inc.	Buy	9.49	Ordinary	4,432	4,432
24-Feb-20	The Vanguard Group, Inc.	Sell	9.21	Ordinary	(1,865)	(1,865)
25-Feb-20	The Vanguard Group, Inc.	Sell	8.84	Ordinary	(746)	(746)
25-Feb-20	The Vanguard Group, Inc.	Buy	8.84	Ordinary	3,324	3,324
26-Feb-20	The Vanguard Group, Inc.	Buy	8.98	Ordinary	71,816	71,816
26-Feb-20	The Vanguard Group, Inc.	Buy	8.85	Ordinary	2,104	2,104

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
28-Feb-20	The Vanguard Group, Inc.	Buy	8.34	Ordinary	75,296	75,296
2-Mar-20	The Vanguard Group, Inc.	Sell	8.57	Ordinary	(4,432)	(4,432)
3-Mar-20	The Vanguard Group, Inc.	Buy	8.31	Ordinary	2,022	2,022
4-Mar-20	The Vanguard Group, Inc.	Sell	8.25	Ordinary	(126,784)	(126,784)
6-Mar-20	The Vanguard Group, Inc.	Sell	8.23	Ordinary	(3,324)	(3,324)
6-Mar-20	The Vanguard Group, Inc.	Buy	8.21	Ordinary	262	262
10-Mar-20	The Vanguard Group, Inc.	Buy	7.49	Ordinary	73,492	73,492
10-Mar-20	The Vanguard Group, Inc.	Sell	8.16	Ordinary	(2,770)	(2,770)
11-Mar-20	The Vanguard Group, Inc.	Sell	7.65	Ordinary	(1,662)	(1,662)
12-Mar-20	The Vanguard Group, Inc.	Sell	6.91	Ordinary	(6,094)	(6,094)
13-Mar-20	The Vanguard Group, Inc.	Buy	6.79	Ordinary	78,103	78,103
13-Mar-20	The Vanguard Group, Inc.	Buy	7.38	Ordinary	15,196	15,196
13-Mar-20	The Vanguard Group, Inc.	Buy	7.38	Ordinary	262	262
16-Mar-20	The Vanguard Group, Inc.	Sell	6.65	Ordinary	(1,119)	(1,119)
16-Mar-20	The Vanguard Group, Inc.	Buy	6.75	Ordinary	815	815
17-Mar-20	The Vanguard Group, Inc.	Sell	7.92	Ordinary	(1,492)	(1,492)
17-Mar-20	The Vanguard Group, Inc.	Buy	7.08	Ordinary	88,081	88,081
17-Mar-20	The Vanguard Group, Inc.	Sell	7.92	Ordinary	(4,432)	(4,432)
17-Mar-20	The Vanguard Group, Inc.	Sell	7.92	Ordinary	(5,540)	(5,540)
17-Mar-20	The Vanguard Group, Inc.	Buy	7.52	Ordinary	13,886	13,886
18-Mar-20	The Vanguard Group, Inc.	Buy	7.04	Ordinary	9,175	9,175
19-Feb-19	Vanguard Investments Australia Ltd.	Buy	9.47	Ordinary	4,367	4,367
25-Feb-19	Vanguard Investments Australia Ltd.	Buy	9.30	Ordinary	13,649	13,649
26-Feb-19	Vanguard Investments Australia Ltd.	Buy	9.15	Ordinary	5,979	5,979
26-Feb-19	Vanguard Investments Australia Ltd.	Buy	9.15	Ordinary	3,970	3,970
5-Mar-19	Vanguard Investments Australia Ltd.	Buy	9.04	Ordinary	25,408	25,408
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	8.76	Ordinary	467	467
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	8.77	Ordinary	12,341	12,341
15-Mar-19	Vanguard Investments Australia Ltd.	Sell	8.76	Ordinary	(3,817)	(3,817)
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	8.76	Ordinary	510	510
15-Mar-19	Vanguard Investments Australia Ltd.	Buy	8.77	Ordinary	13,502	13,502
21-Mar-19	Vanguard Investments Australia Ltd.	Buy	9.13	Ordinary	17,146	17,146
1-Apr-19	Vanguard Investments Australia Ltd.	Sell	9.47	Ordinary	(26,490)	(26,490)
1-Apr-19	Vanguard Investments Australia Ltd.	Buy	9.47	Ordinary	18,490	18,490
2-Apr-19	Vanguard Investments Australia Ltd.	Buy	9.51	Ordinary	12,980	12,980
2-Apr-19	Vanguard Investments Australia Ltd.	Buy	9.45	Ordinary	2,653	2,653
8-Apr-19	Vanguard Investments Australia Ltd.	Buy	9.46	Ordinary	3,032	3,032
9-Apr-19	Vanguard Investments Australia Ltd.	Buy	9.33	Ordinary	116,926	116,926
16-Apr-19	Vanguard Investments Australia Ltd.	Buy	9.11	Ordinary	19,660	19,660
30-Apr-19	Vanguard Investments Australia Ltd.	Buy	8.64	Ordinary	4,608	4,608
1-May-19	Vanguard Investments Australia Ltd.	Buy	8.64	Ordinary	17,870	17,870
2-May-19	Vanguard Investments Australia Ltd.	Sell	8.61	Ordinary	(10,405)	(10,405)
7-May-19	Vanguard Investments Australia Ltd.	Sell	8.60	Ordinary	(2,639)	(2,639)
10-May-19	Vanguard Investments Australia Ltd.	Buy	8.67	Ordinary	5,147	5,147
10-May-19	Vanguard Investments Australia Ltd.	Buy	8.65	Ordinary	3,258	3,258
16-May-19	Vanguard Investments Australia Ltd.	Buy	8.86	Ordinary	27,587	27,587
17-May-19	Vanguard Investments Australia Ltd.	Buy	9.06	Ordinary	3,620	3,620
21-May-19	Vanguard Investments Australia Ltd.	Buy	9.00	Ordinary	3,620	3,620
22-May-19	Vanguard Investments Australia Ltd.	Buy	9.34	Ordinary	13,636	13,636
27-May-19	Vanguard Investments Australia Ltd.	Sell	9.39	Ordinary	(7,704)	(7,704)
28-May-19	Vanguard Investments Australia Ltd.	Sell	9.49	Ordinary	(12,912)	(12,912)
28-May-19	Vanguard Investments Australia Ltd.	Buy	9.49	Ordinary	4,060	4,060
29-May-19	Vanguard Investments Australia Ltd.	Buy	9.63	Ordinary	3,842	3,842
30-May-19	Vanguard Investments Australia Ltd.	Buy	9.91	Ordinary	29,676	29,676
3-Jun-19	Vanguard Investments Australia Ltd.	Sell	9.53	Ordinary	(10,738)	(10,738)
3-Jun-19	Vanguard Investments Australia Ltd.	Sell	9.53	Ordinary	(3,252)	(3,252)
4-Jun-19	Vanguard Investments Australia Ltd.	Buy	9.39	Ordinary	4,060	4,060
6-Jun-19	Vanguard Investments Australia Ltd.	Buy	9.54	Ordinary	4,872	4,872
7-Jun-19	Vanguard Investments Australia Ltd.	Buy	9.66	Ordinary	15,687	15,687
12-Jun-19	Vanguard Investments Australia Ltd.	Buy	10.15	Ordinary	12,406	12,406
17-Jun-19	Vanguard Investments Australia Ltd.	Buy	10.34	Ordinary	3,840	3,840
17-Jun-19	Vanguard Investments Australia Ltd.	Buy	10.34	Ordinary	3,120	3,120
21-Jun-19	Vanguard Investments Australia Ltd.	Sell	10.78	Ordinary	(12,290)	(12,290)
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	10.78	Ordinary	4,293	4,293
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	10.78	Ordinary	9,526	9,526

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-19	Vanguard Investments Australia Ltd.	Buy	10.78	Ordinary	2,436	2,436
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	10.78	Ordinary	6,658	6,658
21-Jun-19	Vanguard Investments Australia Ltd.	Buy	10.78	Ordinary	14,771	14,771
25-Jun-19	Vanguard Investments Australia Ltd.	Buy	10.78	Ordinary	3,860	3,860
27-Jun-19	Vanguard Investments Australia Ltd.	Sell	11.00	Ordinary	(4,682)	(4,682)
27-Jun-19	Vanguard Investments Australia Ltd.	Buy	11.00	Ordinary	2,842	2,842
28-Jun-19	Vanguard Investments Australia Ltd.	Sell	10.77	Ordinary	(5,177)	(5,177)
2-Jul-19	Vanguard Investments Australia Ltd.	Buy	10.96	Ordinary	4,836	4,836
8-Jul-19	Vanguard Investments Australia Ltd.	Buy	10.58	Ordinary	2,418	2,418
9-Jul-19	Vanguard Investments Australia Ltd.	Buy	10.55	Ordinary	2,418	2,418
11-Jul-19	Vanguard Investments Australia Ltd.	Buy	10.57	Ordinary	2,418	2,418
16-Jul-19	Vanguard Investments Australia Ltd.	Buy	10.77	Ordinary	9,515	9,515
16-Jul-19	Vanguard Investments Australia Ltd.	Buy	10.68	Ordinary	4,836	4,836
16-Jul-19	Vanguard Investments Australia Ltd.	Buy	10.68	Ordinary	14,998	14,998
18-Jul-19	Vanguard Investments Australia Ltd.	Sell	10.70	Ordinary	(2,654)	(2,654)
18-Jul-19	Vanguard Investments Australia Ltd.	Buy	10.70	Ordinary	5,697	5,697
22-Jul-19	Vanguard Investments Australia Ltd.	Sell	11.02	Ordinary	(260,074)	(260,074)
30-Jul-19	Vanguard Investments Australia Ltd.	Buy	9.47	Ordinary	4,367	4,367
5-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.79	Ordinary	3,792	3,792
6-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.58	Ordinary	5,503	5,503
6-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.58	Ordinary	3,609	3,609
6-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.58	Ordinary	3,609	3,609
6-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.58	Ordinary	18,135	18,135
7-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.53	Ordinary	1,801	1,801
8-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.44	Ordinary	18,474	18,474
8-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.42	Ordinary	4,422	4,422
9-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.70	Ordinary	9,615	9,615
12-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.62	Ordinary	4,433	4,433
20-Aug-19	Vanguard Investments Australia Ltd.	Buy	8.62	Ordinary	19,910	19,910
27-Aug-19	Vanguard Investments Australia Ltd.	Buy	6.81	Ordinary	5,197	5,197
29-Aug-19	Vanguard Investments Australia Ltd.	Sell	7.02	Ordinary	(7,808)	(7,808)
30-Aug-19	Vanguard Investments Australia Ltd.	Buy	7.15	Ordinary	15,298	15,298
2-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.02	Ordinary	3,906	3,906
2-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.02	Ordinary	8,910	8,910
3-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.19	Ordinary	48,260	48,260
5-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.37	Ordinary	22,272	22,272
6-Sep-19	Vanguard Investments Australia Ltd.	Sell	7.60	Ordinary	(8,044)	(8,044)
10-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.56	Ordinary	13,915	13,915
10-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.56	Ordinary	5,880	5,880
13-Sep-19	Vanguard Investments Australia Ltd.	Sell	7.70	Ordinary	(2,916)	(2,916)
13-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.70	Ordinary	4,683	4,683
17-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.44	Ordinary	7,619	7,619
20-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.72	Ordinary	4,000	4,000
23-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.64	Ordinary	5,775	5,775
24-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.85	Ordinary	5,911	5,911
25-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.81	Ordinary	5,418	5,418
27-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.89	Ordinary	5,883	5,883
27-Sep-19	Vanguard Investments Australia Ltd.	Buy	7.89	Ordinary	4,644	4,644
2-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.00	Ordinary	14,457	14,457
2-Oct-19	Vanguard Investments Australia Ltd.	Buy	7.97	Ordinary	7,296	7,296
2-Oct-19	Vanguard Investments Australia Ltd.	Sell	7.97	Ordinary	(9,216)	(9,216)
4-Oct-19	Vanguard Investments Australia Ltd.	Buy	7.85	Ordinary	6,511	6,511
10-Oct-19	Vanguard Investments Australia Ltd.	Buy	7.58	Ordinary	21,564	21,564
11-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.02	Ordinary	7,836	7,836
11-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.02	Ordinary	7,836	7,836
11-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.02	Ordinary	3,072	3,072
14-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.25	Ordinary	54,592	54,592
16-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.44	Ordinary	64,694	64,694
17-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.35	Ordinary	2,730	2,730
18-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.35	Ordinary	27,440	27,440
18-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.35	Ordinary	3,850	3,850
21-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.60	Ordinary	11,976	11,976
22-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.75	Ordinary	3,860	3,860
23-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.76	Ordinary	11,429	11,429
28-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.80	Ordinary	3,880	3,880

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-Oct-19	Vanguard Investments Australia Ltd.	Buy	8.81	Ordinary	13,083	13,083
31-Oct-19	Vanguard Investments Australia Ltd.	Buy	9.40	Ordinary	7,362	7,362
31-Oct-19	Vanguard Investments Australia Ltd.	Buy	9.40	Ordinary	9,336	9,336
31-Oct-19	Vanguard Investments Australia Ltd.	Sell	9.40	Ordinary	(4,668)	(4,668)
1-Nov-19	Vanguard Investments Australia Ltd.	Sell	8.99	Ordinary	(46,126)	(46,126)
1-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.00	Ordinary	14,836	14,836
4-Nov-19	Vanguard Investments Australia Ltd.	Sell	8.94	Ordinary	(67,977)	(67,977)
4-Nov-19	Vanguard Investments Australia Ltd.	Buy	8.94	Ordinary	7,778	7,778
5-Nov-19	Vanguard Investments Australia Ltd.	Sell	8.80	Ordinary	(16,170)	(16,170)
5-Nov-19	Vanguard Investments Australia Ltd.	Buy	8.80	Ordinary	4,680	4,680
7-Nov-19	Vanguard Investments Australia Ltd.	Sell	8.97	Ordinary	(12,229)	(12,229)
11-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.09	Ordinary	7,828	7,828
11-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.09	Ordinary	15,656	15,656
11-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.09	Ordinary	13,699	13,699
11-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.10	Ordinary	14,045	14,045
12-Nov-19	Vanguard Investments Australia Ltd.	Sell	9.01	Ordinary	(3,050)	(3,050)
12-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.01	Ordinary	4,323	4,323
13-Nov-19	Vanguard Investments Australia Ltd.	Buy	8.99	Ordinary	5,889	5,889
13-Nov-19	Vanguard Investments Australia Ltd.	Buy	8.99	Ordinary	1,194	1,194
19-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.24	Ordinary	15,680	15,680
19-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.24	Ordinary	9,800	9,800
19-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.24	Ordinary	5,200	5,200
20-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.29	Ordinary	2,800	2,800
21-Nov-19	Vanguard Investments Australia Ltd.	Sell	9.15	Ordinary	(5,149)	(5,149)
21-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.15	Ordinary	8,400	8,400
22-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.23	Ordinary	12,334	12,334
25-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.37	Ordinary	17,586	17,586
25-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.37	Ordinary	9,770	9,770
25-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.37	Ordinary	7,983	7,983
26-Nov-19	Vanguard Investments Australia Ltd.	Sell	9.39	Ordinary	(9,377)	(9,377)
26-Nov-19	Vanguard Investments Australia Ltd.	Sell	9.39	Ordinary	(19,873)	(19,873)
27-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.55	Ordinary	21,300	21,300
29-Nov-19	Vanguard Investments Australia Ltd.	Buy	9.52	Ordinary	4,872	4,872
2-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.41	Ordinary	20,488	20,488
4-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.42	Ordinary	8,976	8,976
6-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.43	Ordinary	125,274	125,274
9-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.61	Ordinary	4,908	4,908
11-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.50	Ordinary	8,102	8,102
11-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.50	Ordinary	7,965	7,965
13-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.28	Ordinary	4,110	4,110
16-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.61	Ordinary	5,655	5,655
18-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.36	Ordinary	5,768	5,768
27-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.51	Ordinary	3,762	3,762
30-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.42	Ordinary	3,328	3,328
30-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.41	Ordinary	12,100	12,100
31-Dec-19	Vanguard Investments Australia Ltd.	Sell	9.30	Ordinary	(7,966)	(7,966)
31-Dec-19	Vanguard Investments Australia Ltd.	Buy	9.30	Ordinary	2,080	2,080
2-Jan-20	Vanguard Investments Australia Ltd.	Buy	9.21	Ordinary	4,956	4,956
3-Jan-20	Vanguard Investments Australia Ltd.	Sell	9.23	Ordinary	(29,093)	(29,093)
7-Jan-20	Vanguard Investments Australia Ltd.	Buy	9.28	Ordinary	2,490	2,490
8-Jan-20	Vanguard Investments Australia Ltd.	Buy	9.15	Ordinary	6,225	6,225
9-Jan-20	Vanguard Investments Australia Ltd.	Sell	9.19	Ordinary	(3,312)	(3,312)
13-Jan-20	Vanguard Investments Australia Ltd.	Buy	9.29	Ordinary	5,550	5,550
13-Jan-20	Vanguard Investments Australia Ltd.	Buy	9.29	Ordinary	6,195	6,195
14-Jan-20	Vanguard Investments Australia Ltd.	Buy	9.55	Ordinary	16,146	16,146
14-Jan-20	Vanguard Investments Australia Ltd.	Buy	9.56	Ordinary	5,550	5,550
15-Jan-20	Vanguard Investments Australia Ltd.	Buy	9.54	Ordinary	20,087	20,087
21-Jan-20	Vanguard Investments Australia Ltd.	Sell	9.59	Ordinary	(11,996)	(11,996)
21-Jan-20	Vanguard Investments Australia Ltd.	Buy	9.59	Ordinary	6,180	6,180
30-Jan-20	Vanguard Investments Australia Ltd.	Buy	9.63	Ordinary	6,195	6,195
3-Feb-20	Vanguard Investments Australia Ltd.	Sell	9.33	Ordinary	(2,965)	(2,965)
7-Feb-20	Vanguard Investments Australia Ltd.	Buy	9.74	Ordinary	4,120	4,120
10-Feb-20	Vanguard Investments Australia Ltd.	Buy	9.60	Ordinary	15,875	15,875
11-Feb-20	Vanguard Investments Australia Ltd.	Buy	9.64	Ordinary	8,260	8,260
11-Feb-20	Vanguard Investments Australia Ltd.	Buy	9.63	Ordinary	13,136	13,136



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-Feb-20	Vanguard Investments Australia Ltd.	Sell	9.55	Ordinary	(1,801)	(1,801)
26-Feb-20	Vanguard Investments Australia Ltd.	Buy	8.85	Ordinary	6,864	6,864
27-Feb-20	Vanguard Investments Australia Ltd.	Buy	8.69	Ordinary	31,538	31,538
28-Feb-20	Vanguard Investments Australia Ltd.	Sell	8.34	Ordinary	(5,218)	(5,218)
28-Feb-20	Vanguard Investments Australia Ltd.	Buy	8.34	Ordinary	6,465	6,465
2-Mar-20	Vanguard Investments Australia Ltd.	Buy	8.26	Ordinary	5,499	5,499
3-Mar-20	Vanguard Investments Australia Ltd.	Buy	8.31	Ordinary	11,610	11,610
4-Mar-20	Vanguard Investments Australia Ltd.	Buy	8.40	Ordinary	7,310	7,310
4-Mar-20	Vanguard Investments Australia Ltd.	Buy	8.44	Ordinary	2,078	2,078
5-Mar-20	Vanguard Investments Australia Ltd.	Buy	8.48	Ordinary	4,193	4,193
9-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.45	Ordinary	15,155	15,155
9-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.45	Ordinary	16,537	16,537
10-Mar-20	Vanguard Investments Australia Ltd.	Sell	8.02	Ordinary	(11,069)	(11,069)
10-Mar-20	Vanguard Investments Australia Ltd.	Buy	8.02	Ordinary	20,639	20,639
11-Mar-20	Vanguard Investments Australia Ltd.	Buy	8.02	Ordinary	3,055	3,055
11-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.87	Ordinary	8,660	8,660
11-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.87	Ordinary	10,825	10,825
12-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.14	Ordinary	7,310	7,310
12-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.14	Ordinary	12,900	12,900
12-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.14	Ordinary	41,839	41,839
13-Mar-20	Vanguard Investments Australia Ltd.	Sell	7.38	Ordinary	(8,901)	(8,901)
13-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.38	Ordinary	12,870	12,870
13-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.38	Ordinary	25,380	25,380
16-Mar-20	Vanguard Investments Australia Ltd.	Buy	6.75	Ordinary	15,015	15,015
17-Mar-20	Vanguard Investments Australia Ltd.	Sell	7.52	Ordinary	(14,777)	(14,777)
17-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.52	Ordinary	10,800	10,800
18-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.04	Ordinary	12,900	12,900
18-Mar-20	Vanguard Investments Australia Ltd.	Buy	7.04	Ordinary	16,863	16,863

This is Annexure A of 7 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 20 March 2020