

**Form 605**Corporations Act 2001  
Section 671B**Notice of ceasing to be a substantial holder**

To Company Name/Scheme AMP Limited

ACN/ARSN 079 354 519

**1. Details of substantial holder (1)**

Name Vanguard Group (The Vanguard Group, Inc. and its controlled entities including Vanguard Investments Australia Ltd)

ACN/ARSN (if applicable) N/A

The holder ceased to be a  
substantial holder on

5 November 2021

The previous notice was given to the company on

14 October 2020

The previous notice was dated

14 October 2020**2. Changes in relevant interests**

Particulars of each change in, or change in the nature of, a relevant interest (2) of the substantial holder or an associate (3) 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 (4)	Consideration given in relation to change (5)	Class (6) and number of securities affected	Person's votes affected
Update to previous 605 form notice to include transactions not identified in previous notice See <b>Annexure A</b>					Vanguard Group now holds 4.920% of voting power

**3. Changes in association**

The persons who have become associates (3) of, ceased to be associates of, or have changed the nature of their association (7) 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

**4. Addresses**

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

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

**Signature**

print name Shawn Acker capacity Compliance Manager

sign here  date 16 November 2021

To Company AMP Limited

ACN/ARSN 079 354 519

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
12-Oct-2020	The Vanguard Group, Inc.	Buy	1.42	Ordinary	87,678	87,678
13-Oct-2020	The Vanguard Group, Inc.	Sell	1.42	Ordinary	(80,269)	(80,269)
14-Oct-2020	The Vanguard Group, Inc.	Sell	1.41	Ordinary	(63,336)	(63,336)
21-Oct-2020	The Vanguard Group, Inc.	Sell	1.44	Ordinary	(48,465)	(48,465)
22-Oct-2020	The Vanguard Group, Inc.	Buy	1.36	Ordinary	1,821	1,821
23-Oct-2020	The Vanguard Group, Inc.	Buy	1.38	Ordinary	1,843	1,843
27-Oct-2020	The Vanguard Group, Inc.	Buy	1.30	Ordinary	13,018	13,018
30-Oct-2020	The Vanguard Group, Inc.	Buy	1.53	Ordinary	1,611	1,611
2-Nov-2020	The Vanguard Group, Inc.	Buy	1.69	Ordinary	3,222	3,222
2-Nov-2020	The Vanguard Group, Inc.	Buy	1.68	Ordinary	1,837	1,837
3-Nov-2020	The Vanguard Group, Inc.	Buy	1.68	Ordinary	9,666	9,666
3-Nov-2020	The Vanguard Group, Inc.	Sell	1.66	Ordinary	(4,046)	(4,046)
4-Nov-2020	The Vanguard Group, Inc.	Buy	1.68	Ordinary	3,222	3,222
5-Nov-2020	The Vanguard Group, Inc.	Buy	1.67	Ordinary	85,378	85,378
9-Nov-2020	The Vanguard Group, Inc.	Buy	1.71	Ordinary	15,527	15,527
10-Nov-2020	The Vanguard Group, Inc.	Sell	1.72	Ordinary	(650,239)	(650,239)
12-Nov-2020	The Vanguard Group, Inc.	Buy	1.73	Ordinary	1,946	1,946
12-Nov-2020	The Vanguard Group, Inc.	Buy	1.73	Ordinary	1,805	1,805
17-Nov-2020	The Vanguard Group, Inc.	Buy	1.75	Ordinary	80,938	80,938
17-Nov-2020	The Vanguard Group, Inc.	Sell	1.75	Ordinary	(3,966)	(3,966)
19-Nov-2020	The Vanguard Group, Inc.	Buy	1.74	Ordinary	1,176	1,176
19-Nov-2020	The Vanguard Group, Inc.	Buy	1.74	Ordinary	1,084	1,084
20-Nov-2020	The Vanguard Group, Inc.	Buy	1.71	Ordinary	58,841	58,841
20-Nov-2020	The Vanguard Group, Inc.	Buy	1.71	Ordinary	1,917	1,917
20-Nov-2020	The Vanguard Group, Inc.	Buy	1.71	Ordinary	14,838	14,838
24-Nov-2020	The Vanguard Group, Inc.	Buy	1.73	Ordinary	1,799	1,799
26-Nov-2020	The Vanguard Group, Inc.	Buy	1.73	Ordinary	13,078	13,078
27-Nov-2020	The Vanguard Group, Inc.	Sell	1.74	Ordinary	(270,035)	(270,035)
30-Nov-2020	The Vanguard Group, Inc.	Buy	1.71	Ordinary	1,804	1,804
2-Dec-2020	The Vanguard Group, Inc.	Buy	1.77	Ordinary	27,472	27,472
3-Dec-2020	The Vanguard Group, Inc.	Buy	1.71	Ordinary	27,870	27,870
4-Dec-2020	The Vanguard Group, Inc.	Buy	1.72	Ordinary	1,809	1,809
7-Dec-2020	The Vanguard Group, Inc.	Buy	1.74	Ordinary	6,534	6,534
8-Dec-2020	The Vanguard Group, Inc.	Buy	1.75	Ordinary	29,196	29,196
8-Dec-2020	The Vanguard Group, Inc.	Buy	1.74	Ordinary	15,645	15,645
8-Dec-2020	The Vanguard Group, Inc.	Buy	1.73	Ordinary	42,243	42,243
9-Dec-2020	The Vanguard Group, Inc.	Buy	1.73	Ordinary	9,732	9,732
10-Dec-2020	The Vanguard Group, Inc.	Sell	1.73	Ordinary	(638)	(638)
11-Dec-2020	The Vanguard Group, Inc.	Sell	1.72	Ordinary	(82,314)	(82,314)
15-Dec-2020	The Vanguard Group, Inc.	Buy	1.75	Ordinary	22,708	22,708
16-Dec-2020	The Vanguard Group, Inc.	Buy	1.72	Ordinary	6,537	6,537
16-Dec-2020	The Vanguard Group, Inc.	Buy	1.72	Ordinary	1,798	1,798
18-Dec-2020	The Vanguard Group, Inc.	Buy	1.69	Ordinary	2,770	2,770
18-Dec-2020	The Vanguard Group, Inc.	Buy	1.69	Ordinary	11,080	11,080
18-Dec-2020	The Vanguard Group, Inc.	Sell	1.70	Ordinary	(66,116)	(66,116)
18-Dec-2020	The Vanguard Group, Inc.	Sell	1.70	Ordinary	(155,045)	(155,045)
18-Dec-2020	The Vanguard Group, Inc.	Sell	1.70	Ordinary	(28,581)	(28,581)

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
18-Dec-2020	The Vanguard Group, Inc.	Buy	1.70	Ordinary	6,502	6,502
18-Dec-2020	The Vanguard Group, Inc.	Sell	1.70	Ordinary	(2,055)	(2,055)
18-Dec-2020	The Vanguard Group, Inc.	Buy	1.70	Ordinary	227,395	227,395
21-Dec-2020	The Vanguard Group, Inc.	Sell	1.62	Ordinary	(16,954)	(16,954)
21-Dec-2020	The Vanguard Group, Inc.	Buy	1.62	Ordinary	6,504	6,504
22-Dec-2020	The Vanguard Group, Inc.	Buy	1.61	Ordinary	11,060	11,060
22-Dec-2020	The Vanguard Group, Inc.	Buy	1.61	Ordinary	155,043	155,043
22-Dec-2020	The Vanguard Group, Inc.	Buy	1.61	Ordinary	16,220	16,220
23-Dec-2020	The Vanguard Group, Inc.	Sell	1.60	Ordinary	(386,598)	(386,598)
24-Dec-2020	The Vanguard Group, Inc.	Buy	1.59	Ordinary	82,858	82,858
24-Dec-2020	The Vanguard Group, Inc.	Buy	1.60	Ordinary	6,506	6,506
30-Dec-2020	The Vanguard Group, Inc.	Sell	1.59	Ordinary	(245,560)	(245,560)
30-Dec-2020	The Vanguard Group, Inc.	Buy	1.59	Ordinary	1,331	1,331
31-Dec-2020	The Vanguard Group, Inc.	Sell	1.56	Ordinary	(48,109)	(48,109)
31-Dec-2020	The Vanguard Group, Inc.	Buy	1.56	Ordinary	4,174	4,174
31-Dec-2020	The Vanguard Group, Inc.	Buy	1.56	Ordinary	48,109	48,109
5-Jan-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	16,590	16,590
5-Jan-2021	The Vanguard Group, Inc.	Sell	1.54	Ordinary	(2,157)	(2,157)
5-Jan-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	6,521	6,521
6-Jan-2021	The Vanguard Group, Inc.	Buy	1.58	Ordinary	12,976	12,976
6-Jan-2021	The Vanguard Group, Inc.	Sell	1.54	Ordinary	(716)	(716)
7-Jan-2021	The Vanguard Group, Inc.	Buy	1.63	Ordinary	69,125	69,125
7-Jan-2021	The Vanguard Group, Inc.	Buy	1.63	Ordinary	58,392	58,392
7-Jan-2021	The Vanguard Group, Inc.	Sell	1.60	Ordinary	(337,167)	(337,167)
7-Jan-2021	The Vanguard Group, Inc.	Buy	1.63	Ordinary	2,662	2,662
7-Jan-2021	The Vanguard Group, Inc.	Buy	1.62	Ordinary	1,787	1,787
8-Jan-2021	The Vanguard Group, Inc.	Buy	1.61	Ordinary	41,475	41,475
8-Jan-2021	The Vanguard Group, Inc.	Buy	1.61	Ordinary	48,696	48,696
8-Jan-2021	The Vanguard Group, Inc.	Buy	1.61	Ordinary	19,041	19,041
11-Jan-2021	The Vanguard Group, Inc.	Buy	1.60	Ordinary	6,521	6,521
12-Jan-2021	The Vanguard Group, Inc.	Buy	1.62	Ordinary	9,732	9,732
12-Jan-2021	The Vanguard Group, Inc.	Buy	1.62	Ordinary	25,952	25,952
12-Jan-2021	The Vanguard Group, Inc.	Buy	1.61	Ordinary	1,597	1,597
13-Jan-2021	The Vanguard Group, Inc.	Buy	1.58	Ordinary	28,406	28,406
14-Jan-2021	The Vanguard Group, Inc.	Buy	1.58	Ordinary	8,295	8,295
14-Jan-2021	The Vanguard Group, Inc.	Buy	1.58	Ordinary	1,798	1,798
18-Jan-2021	The Vanguard Group, Inc.	Buy	1.55	Ordinary	6,523	6,523
19-Jan-2021	The Vanguard Group, Inc.	Sell	1.56	Ordinary	(2,096)	(2,096)
19-Jan-2021	The Vanguard Group, Inc.	Buy	1.56	Ordinary	79,983	79,983
20-Jan-2021	The Vanguard Group, Inc.	Buy	1.55	Ordinary	8,395	8,395
21-Jan-2021	The Vanguard Group, Inc.	Buy	1.56	Ordinary	16,232	16,232
21-Jan-2021	The Vanguard Group, Inc.	Buy	1.56	Ordinary	29,196	29,196
22-Jan-2021	The Vanguard Group, Inc.	Buy	1.56	Ordinary	2,662	2,662
22-Jan-2021	The Vanguard Group, Inc.	Sell	1.56	Ordinary	(732)	(732)
22-Jan-2021	The Vanguard Group, Inc.	Buy	1.56	Ordinary	13,034	13,034
25-Jan-2021	The Vanguard Group, Inc.	Buy	1.55	Ordinary	36,522	36,522
27-Jan-2021	The Vanguard Group, Inc.	Buy	1.53	Ordinary	6,518	6,518
28-Jan-2021	The Vanguard Group, Inc.	Buy	1.48	Ordinary	24,348	24,348
28-Jan-2021	The Vanguard Group, Inc.	Buy	1.48	Ordinary	2,662	2,662
28-Jan-2021	The Vanguard Group, Inc.	Sell	1.51	Ordinary	(945)	(945)
28-Jan-2021	The Vanguard Group, Inc.	Sell	1.47	Ordinary	(2,266)	(2,266)
28-Jan-2021	The Vanguard Group, Inc.	Buy	1.47	Ordinary	83,976	83,976
29-Jan-2021	The Vanguard Group, Inc.	Buy	1.48	Ordinary	13,825	13,825
29-Jan-2021	The Vanguard Group, Inc.	Buy	1.48	Ordinary	24,348	24,348
29-Jan-2021	The Vanguard Group, Inc.	Buy	1.48	Ordinary	9,732	9,732

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-2021	The Vanguard Group, Inc.	Buy	1.49	Ordinary	6,871	6,871
29-Jan-2021	The Vanguard Group, Inc.	Buy	1.49	Ordinary	1,976	1,976
3-Feb-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	65,639	65,639
3-Feb-2021	The Vanguard Group, Inc.	Buy	1.55	Ordinary	3,993	3,993
3-Feb-2021	The Vanguard Group, Inc.	Sell	1.53	Ordinary	(1,433)	(1,433)
3-Feb-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	949	949
4-Feb-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	24,348	24,348
5-Feb-2021	The Vanguard Group, Inc.	Sell	1.57	Ordinary	(59,109)	(59,109)
5-Feb-2021	The Vanguard Group, Inc.	Buy	1.58	Ordinary	6,655	6,655
5-Feb-2021	The Vanguard Group, Inc.	Buy	1.58	Ordinary	3,993	3,993
10-Feb-2021	The Vanguard Group, Inc.	Buy	1.53	Ordinary	5,530	5,530
10-Feb-2021	The Vanguard Group, Inc.	Buy	1.53	Ordinary	12,174	12,174
10-Feb-2021	The Vanguard Group, Inc.	Buy	1.53	Ordinary	12,976	12,976
10-Feb-2021	The Vanguard Group, Inc.	Buy	1.53	Ordinary	45,416	45,416
10-Feb-2021	The Vanguard Group, Inc.	Buy	1.53	Ordinary	2,662	2,662
10-Feb-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	26,656	26,656
11-Feb-2021	The Vanguard Group, Inc.	Buy	1.37	Ordinary	22,120	22,120
11-Feb-2021	The Vanguard Group, Inc.	Buy	1.37	Ordinary	32,464	32,464
11-Feb-2021	The Vanguard Group, Inc.	Buy	1.37	Ordinary	12,976	12,976
11-Feb-2021	The Vanguard Group, Inc.	Buy	1.37	Ordinary	5,324	5,324
11-Feb-2021	The Vanguard Group, Inc.	Buy	1.37	Ordinary	84,403	84,403
12-Feb-2021	The Vanguard Group, Inc.	Buy	1.33	Ordinary	13,825	13,825
12-Feb-2021	The Vanguard Group, Inc.	Buy	1.33	Ordinary	36,522	36,522
12-Feb-2021	The Vanguard Group, Inc.	Buy	1.33	Ordinary	9,732	9,732
12-Feb-2021	The Vanguard Group, Inc.	Buy	1.33	Ordinary	3,993	3,993
19-Feb-2021	The Vanguard Group, Inc.	Buy	1.35	Ordinary	13,825	13,825
19-Feb-2021	The Vanguard Group, Inc.	Sell	1.35	Ordinary	(35,355)	(35,355)
22-Feb-2021	The Vanguard Group, Inc.	Sell	1.33	Ordinary	(73,829)	(73,829)
22-Feb-2021	The Vanguard Group, Inc.	Sell	1.34	Ordinary	(13,064)	(13,064)
22-Feb-2021	The Vanguard Group, Inc.	Buy	1.34	Ordinary	19,139	19,139
24-Feb-2021	The Vanguard Group, Inc.	Buy	1.39	Ordinary	2,662	2,662
24-Feb-2021	The Vanguard Group, Inc.	Buy	1.38	Ordinary	1,797	1,797
25-Feb-2021	The Vanguard Group, Inc.	Sell	1.40	Ordinary	(36,958)	(36,958)
25-Feb-2021	The Vanguard Group, Inc.	Buy	1.40	Ordinary	1,540	1,540
26-Feb-2021	The Vanguard Group, Inc.	Sell	1.50	Ordinary	(103,246)	(103,246)
26-Feb-2021	The Vanguard Group, Inc.	Buy	1.50	Ordinary	37,685	37,685
1-Mar-2021	The Vanguard Group, Inc.	Buy	1.46	Ordinary	2,662	2,662
1-Mar-2021	The Vanguard Group, Inc.	Buy	1.45	Ordinary	1,797	1,797
2-Mar-2021	The Vanguard Group, Inc.	Buy	1.45	Ordinary	3,993	3,993
2-Mar-2021	The Vanguard Group, Inc.	Buy	1.46	Ordinary	25,109	25,109
5-Mar-2021	The Vanguard Group, Inc.	Buy	1.43	Ordinary	3,993	3,993
8-Mar-2021	The Vanguard Group, Inc.	Sell	1.43	Ordinary	(148,884)	(148,884)
9-Mar-2021	The Vanguard Group, Inc.	Buy	1.47	Ordinary	11,060	11,060
9-Mar-2021	The Vanguard Group, Inc.	Buy	1.47	Ordinary	32,440	32,440
9-Mar-2021	The Vanguard Group, Inc.	Buy	1.47	Ordinary	2,662	2,662
9-Mar-2021	The Vanguard Group, Inc.	Buy	1.47	Ordinary	3,590	3,590
10-Mar-2021	The Vanguard Group, Inc.	Buy	1.45	Ordinary	39,283	39,283
11-Mar-2021	The Vanguard Group, Inc.	Buy	1.44	Ordinary	19,355	19,355
15-Mar-2021	The Vanguard Group, Inc.	Buy	1.46	Ordinary	2,662	2,662
16-Mar-2021	The Vanguard Group, Inc.	Buy	1.46	Ordinary	5,370	5,370
17-Mar-2021	The Vanguard Group, Inc.	Sell	1.43	Ordinary	(6,560)	(6,560)
19-Mar-2021	The Vanguard Group, Inc.	Sell	1.41	Ordinary	(21,508)	(21,508)
19-Mar-2021	The Vanguard Group, Inc.	Sell	1.41	Ordinary	(232,680)	(232,680)
19-Mar-2021	The Vanguard Group, Inc.	Sell	1.41	Ordinary	(183)	(183)
19-Mar-2021	The Vanguard Group, Inc.	Sell	1.41	Ordinary	(7,478)	(7,478)

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
22-Mar-2021	The Vanguard Group, Inc.	Buy	1.41	Ordinary	5,530	5,530
22-Mar-2021	The Vanguard Group, Inc.	Buy	1.41	Ordinary	5,324	5,324
23-Mar-2021	The Vanguard Group, Inc.	Buy	1.40	Ordinary	1,836	1,836
29-Mar-2021	The Vanguard Group, Inc.	Buy	1.30	Ordinary	23,685	23,685
31-Mar-2021	The Vanguard Group, Inc.	Buy	1.27	Ordinary	42,030	42,030
31-Mar-2021	The Vanguard Group, Inc.	Buy	1.27	Ordinary	3,993	3,993
31-Mar-2021	The Vanguard Group, Inc.	Sell	1.27	Ordinary	(101,869)	(101,869)
1-Apr-2021	The Vanguard Group, Inc.	Sell	1.29	Ordinary	(37,436)	(37,436)
6-Apr-2021	The Vanguard Group, Inc.	Buy	1.26	Ordinary	27,650	27,650
6-Apr-2021	The Vanguard Group, Inc.	Buy	1.26	Ordinary	29,421	29,421
7-Apr-2021	The Vanguard Group, Inc.	Buy	1.25	Ordinary	2,662	2,662
7-Apr-2021	The Vanguard Group, Inc.	Buy	1.25	Ordinary	2,662	2,662
7-Apr-2021	The Vanguard Group, Inc.	Buy	1.27	Ordinary	98,712	98,712
8-Apr-2021	The Vanguard Group, Inc.	Buy	1.28	Ordinary	3,993	3,993
8-Apr-2021	The Vanguard Group, Inc.	Buy	1.28	Ordinary	881	881
9-Apr-2021	The Vanguard Group, Inc.	Buy	1.26	Ordinary	33,624	33,624
9-Apr-2021	The Vanguard Group, Inc.	Buy	1.26	Ordinary	14,856	14,856
9-Apr-2021	The Vanguard Group, Inc.	Buy	1.26	Ordinary	19,383	19,383
9-Apr-2021	The Vanguard Group, Inc.	Buy	1.26	Ordinary	23,088	23,088
13-Apr-2021	The Vanguard Group, Inc.	Buy	1.24	Ordinary	25,218	25,218
13-Apr-2021	The Vanguard Group, Inc.	Buy	1.24	Ordinary	5,324	5,324
13-Apr-2021	The Vanguard Group, Inc.	Buy	1.24	Ordinary	26,900	26,900
14-Apr-2021	The Vanguard Group, Inc.	Buy	1.22	Ordinary	19,355	19,355
14-Apr-2021	The Vanguard Group, Inc.	Buy	1.22	Ordinary	25,218	25,218
15-Apr-2021	The Vanguard Group, Inc.	Buy	1.22	Ordinary	13,716	13,716
15-Apr-2021	The Vanguard Group, Inc.	Buy	1.22	Ordinary	4,464	4,464
16-Apr-2021	The Vanguard Group, Inc.	Buy	1.19	Ordinary	126,087	126,087
19-Apr-2021	The Vanguard Group, Inc.	Buy	1.18	Ordinary	42,590	42,590
19-Apr-2021	The Vanguard Group, Inc.	Buy	1.18	Ordinary	2,662	2,662
19-Apr-2021	The Vanguard Group, Inc.	Sell	1.18	Ordinary	(4,096)	(4,096)
21-Apr-2021	The Vanguard Group, Inc.	Sell	1.19	Ordinary	(1,574)	(1,574)
22-Apr-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	2,662	2,662
23-Apr-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	88,554	88,554
26-Apr-2021	The Vanguard Group, Inc.	Buy	1.14	Ordinary	13,716	13,716
27-Apr-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	14,856	14,856
27-Apr-2021	The Vanguard Group, Inc.	Sell	1.12	Ordinary	(3,735)	(3,735)
28-Apr-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	11,060	11,060
28-Apr-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	12,380	12,380
29-Apr-2021	The Vanguard Group, Inc.	Buy	1.14	Ordinary	18,570	18,570
30-Apr-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	235,176	235,176
4-May-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	14,856	14,856
4-May-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	21,046	21,046
6-May-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	3,993	3,993
6-May-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	2,662	2,662
7-May-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	8,730	8,730
7-May-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	37,830	37,830
7-May-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	13,716	13,716
7-May-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	43,330	43,330
7-May-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	2,662	2,662
7-May-2021	The Vanguard Group, Inc.	Sell	1.08	Ordinary	(7,607)	(7,607)
10-May-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	34,986	34,986
13-May-2021	The Vanguard Group, Inc.	Sell	1.08	Ordinary	(37,719)	(37,719)
14-May-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	10,648	10,648
17-May-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	11,860	11,860
18-May-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	8,895	8,895

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
18-May-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	2,662	2,662
18-May-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	1,276	1,276
19-May-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	79,968	79,968
19-May-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	29,988	29,988
20-May-2021	The Vanguard Group, Inc.	Buy	1.09	Ordinary	17,332	17,332
24-May-2021	The Vanguard Group, Inc.	Sell	1.12	Ordinary	(1,004)	(1,004)
26-May-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	11,860	11,860
27-May-2021	The Vanguard Group, Inc.	Sell	1.15	Ordinary	(195,447)	(195,447)
27-May-2021	The Vanguard Group, Inc.	Buy	1.16	Ordinary	1,378,085	1,378,085
27-May-2021	The Vanguard Group, Inc.	Sell	1.15	Ordinary	(745,367)	(745,367)
27-May-2021	The Vanguard Group, Inc.	Sell	1.15	Ordinary	(6,988,256)	(6,988,256)
1-Jun-2021	The Vanguard Group, Inc.	Buy	1.11	Ordinary	2,662	2,662
1-Jun-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	6,490	6,490
3-Jun-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	34,986	34,986
3-Jun-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	2,662	2,662
3-Jun-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	42,465	42,465
3-Jun-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	32,321	32,321
15-Jun-2021	The Vanguard Group, Inc.	Buy	1.22	Ordinary	5,324	5,324
16-Jun-2021	The Vanguard Group, Inc.	Buy	1.24	Ordinary	19,992	19,992
17-Jun-2021	The Vanguard Group, Inc.	Buy	1.23	Ordinary	49,980	49,980
18-Jun-2021	The Vanguard Group, Inc.	Sell	1.24	Ordinary	(145,473)	(145,473)
18-Jun-2021	The Vanguard Group, Inc.	Buy	1.25	Ordinary	2,482	2,482
18-Jun-2021	The Vanguard Group, Inc.	Buy	1.25	Ordinary	15,965	15,965
22-Jun-2021	The Vanguard Group, Inc.	Buy	1.18	Ordinary	29,988	29,988
22-Jun-2021	The Vanguard Group, Inc.	Buy	1.18	Ordinary	17,383	17,383
23-Jun-2021	The Vanguard Group, Inc.	Buy	1.16	Ordinary	2,662	2,662
23-Jun-2021	The Vanguard Group, Inc.	Buy	1.18	Ordinary	6,238	6,238
24-Jun-2021	The Vanguard Group, Inc.	Buy	1.17	Ordinary	39,984	39,984
29-Jun-2021	The Vanguard Group, Inc.	Buy	1.16	Ordinary	3,993	3,993
30-Jun-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	24,990	24,990
30-Jun-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	16,094	16,094
1-Jul-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	44,982	44,982
1-Jul-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	2,662	2,662
2-Jul-2021	The Vanguard Group, Inc.	Buy	1.14	Ordinary	12,380	12,380
2-Jul-2021	The Vanguard Group, Inc.	Buy	1.14	Ordinary	3,993	3,993
5-Jul-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	6,458	6,458
6-Jul-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	29,988	29,988
8-Jul-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	12,380	12,380
8-Jul-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	243,828	243,828
9-Jul-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	29,277	29,277
9-Jul-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	39,984	39,984
9-Jul-2021	The Vanguard Group, Inc.	Buy	1.11	Ordinary	123,992	123,992
9-Jul-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	30,950	30,950
9-Jul-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	43,330	43,330
9-Jul-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	19,808	19,808
12-Jul-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	275,905	275,905
13-Jul-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	64,454	64,454
13-Jul-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	124,157	124,157
15-Jul-2021	The Vanguard Group, Inc.	Buy	1.11	Ordinary	117,260	117,260
15-Jul-2021	The Vanguard Group, Inc.	Buy	1.11	Ordinary	4,311	4,311
15-Jul-2021	The Vanguard Group, Inc.	Buy	1.11	Ordinary	2,874	2,874
16-Jul-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	103,327	103,327
19-Jul-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	96,679	96,679
21-Jul-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	13,012	13,012
21-Jul-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	59,496	59,496

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21-Jul-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	18,570	18,570
22-Jul-2021	The Vanguard Group, Inc.	Sell	1.08	Ordinary	(17,145)	(17,145)
22-Jul-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	206,608	206,608
22-Jul-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	4,476	4,476
22-Jul-2021	The Vanguard Group, Inc.	Sell	1.09	Ordinary	(36,505)	(36,505)
23-Jul-2021	The Vanguard Group, Inc.	Buy	1.09	Ordinary	179,685	179,685
26-Jul-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	84,286	84,286
26-Jul-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	2,984	2,984
28-Jul-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	12,380	12,380
28-Jul-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	12,380	12,380
28-Jul-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	19,362	19,362
29-Jul-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	27,432	27,432
29-Jul-2021	The Vanguard Group, Inc.	Buy	1.06	Ordinary	615,977	615,977
30-Jul-2021	The Vanguard Group, Inc.	Buy	1.04	Ordinary	18,570	18,570
30-Jul-2021	The Vanguard Group, Inc.	Buy	1.04	Ordinary	4,476	4,476
30-Jul-2021	The Vanguard Group, Inc.	Buy	1.04	Ordinary	255,971	255,971
30-Jul-2021	The Vanguard Group, Inc.	Buy	1.04	Ordinary	6,474	6,474
2-Aug-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	17,145	17,145
3-Aug-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	3,052	3,052
5-Aug-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	35,432	35,432
6-Aug-2021	The Vanguard Group, Inc.	Sell	1.07	Ordinary	(12,942)	(12,942)
10-Aug-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	10,682	10,682
11-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	9,759	9,759
11-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	561,914	561,914
11-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	3,152	3,152
11-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	31,264	31,264
12-Aug-2021	The Vanguard Group, Inc.	Buy	1.09	Ordinary	2,557	2,557
13-Aug-2021	The Vanguard Group, Inc.	Buy	1.15	Ordinary	22,284	22,284
13-Aug-2021	The Vanguard Group, Inc.	Buy	1.15	Ordinary	19,808	19,808
13-Aug-2021	The Vanguard Group, Inc.	Buy	1.15	Ordinary	14,856	14,856
13-Aug-2021	The Vanguard Group, Inc.	Buy	1.15	Ordinary	30,950	30,950
16-Aug-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	19,784	19,784
16-Aug-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	49,460	49,460
18-Aug-2021	The Vanguard Group, Inc.	Buy	1.05	Ordinary	40,854	40,854
18-Aug-2021	The Vanguard Group, Inc.	Buy	1.05	Ordinary	6,736	6,736
19-Aug-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	34,290	34,290
19-Aug-2021	The Vanguard Group, Inc.	Buy	1.07	Ordinary	5,052	5,052
20-Aug-2021	The Vanguard Group, Inc.	Buy	1.06	Ordinary	24,730	24,730
23-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	9,759	9,759
23-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	19,784	19,784
23-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	29,676	29,676
23-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	13,716	13,716
23-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	20,574	20,574
23-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	18,570	18,570
23-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	18,570	18,570
23-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	3,368	3,368
24-Aug-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	27,001	27,001
25-Aug-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	14,856	14,856
25-Aug-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	263,859	263,859
27-Aug-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	9,759	9,759
27-Aug-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	16,265	16,265
27-Aug-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	19,784	19,784
27-Aug-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	18,570	18,570
1-Sep-2021	The Vanguard Group, Inc.	Buy	1.05	Ordinary	1,595	1,595
2-Sep-2021	The Vanguard Group, Inc.	Buy	1.09	Ordinary	38,627	38,627

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3-Sep-2021	The Vanguard Group, Inc.	Buy	1.12	Ordinary	3,368	3,368
13-Sep-2021	The Vanguard Group, Inc.	Sell	1.04	Ordinary	(19,515)	(19,515)
15-Sep-2021	The Vanguard Group, Inc.	Buy	1.00	Ordinary	6,736	6,736
15-Sep-2021	The Vanguard Group, Inc.	Buy	1.00	Ordinary	5,052	5,052
16-Sep-2021	The Vanguard Group, Inc.	Sell	1.00	Ordinary	(995)	(995)
16-Sep-2021	The Vanguard Group, Inc.	Sell	1.00	Ordinary	(1,649)	(1,649)
16-Sep-2021	The Vanguard Group, Inc.	Sell	1.00	Ordinary	(4,323)	(4,323)
16-Sep-2021	The Vanguard Group, Inc.	Sell	1.00	Ordinary	(8,928)	(8,928)
16-Sep-2021	The Vanguard Group, Inc.	Sell	1.00	Ordinary	(2,379)	(2,379)
16-Sep-2021	The Vanguard Group, Inc.	Sell	1.00	Ordinary	(272)	(272)
16-Sep-2021	The Vanguard Group, Inc.	Sell	1.00	Ordinary	(10)	(10)
16-Sep-2021	The Vanguard Group, Inc.	Sell	1.00	Ordinary	(35)	(35)
17-Sep-2021	The Vanguard Group, Inc.	Sell	0.99	Ordinary	(277,049)	(277,049)
17-Sep-2021	The Vanguard Group, Inc.	Sell	0.99	Ordinary	(459,193)	(459,193)
17-Sep-2021	The Vanguard Group, Inc.	Sell	0.99	Ordinary	(1,204,221)	(1,204,221)
17-Sep-2021	The Vanguard Group, Inc.	Sell	0.99	Ordinary	(2,486,946)	(2,486,946)
17-Sep-2021	The Vanguard Group, Inc.	Buy	0.99	Ordinary	5,052	5,052
17-Sep-2021	The Vanguard Group, Inc.	Sell	0.99	Ordinary	(662,635)	(662,635)
17-Sep-2021	The Vanguard Group, Inc.	Sell	0.99	Ordinary	(75,549)	(75,549)
17-Sep-2021	The Vanguard Group, Inc.	Buy	0.99	Ordinary	205,086	205,086
17-Sep-2021	The Vanguard Group, Inc.	Sell	0.99	Ordinary	(2,560)	(2,560)
21-Sep-2021	The Vanguard Group, Inc.	Buy	0.92	Ordinary	53,510	53,510
23-Sep-2021	The Vanguard Group, Inc.	Buy	0.97	Ordinary	28,800	28,800
29-Sep-2021	The Vanguard Group, Inc.	Buy	1.02	Ordinary	16,020	16,020
30-Sep-2021	The Vanguard Group, Inc.	Buy	0.98	Ordinary	77,552	77,552
1-Oct-2021	The Vanguard Group, Inc.	Buy	1.03	Ordinary	9,759	9,759
4-Oct-2021	The Vanguard Group, Inc.	Buy	1.00	Ordinary	396	396
8-Oct-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	29,082	29,082
11-Oct-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	13,012	13,012
11-Oct-2021	The Vanguard Group, Inc.	Buy	1.04	Ordinary	427	427
13-Oct-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	13,012	13,012
13-Oct-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	19,388	19,388
13-Oct-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	38,776	38,776
14-Oct-2021	The Vanguard Group, Inc.	Sell	1.12	Ordinary	(47,386)	(47,386)
15-Oct-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	9,759	9,759
15-Oct-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	106,340	106,340
19-Oct-2021	The Vanguard Group, Inc.	Buy	1.13	Ordinary	46,508	46,508
19-Oct-2021	The Vanguard Group, Inc.	Buy	1.11	Ordinary	1,903	1,903
22-Oct-2021	The Vanguard Group, Inc.	Buy	1.17	Ordinary	5,808	5,808
25-Oct-2021	The Vanguard Group, Inc.	Buy	1.17	Ordinary	29,082	29,082
26-Oct-2021	The Vanguard Group, Inc.	Buy	1.16	Ordinary	229,242	229,242
27-Oct-2021	The Vanguard Group, Inc.	Buy	1.16	Ordinary	15,450	15,450
28-Oct-2021	The Vanguard Group, Inc.	Buy	1.11	Ordinary	1,916	1,916
29-Oct-2021	The Vanguard Group, Inc.	Sell	1.09	Ordinary	(18,530)	(18,530)
29-Oct-2021	The Vanguard Group, Inc.	Buy	1.08	Ordinary	1,931	1,931
1-Nov-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	29,082	29,082
1-Nov-2021	The Vanguard Group, Inc.	Buy	1.10	Ordinary	19,388	19,388
3-Nov-2021	The Vanguard Group, Inc.	Buy	1.18	Ordinary	24,235	24,235
3-Nov-2021	The Vanguard Group, Inc.	Buy	1.18	Ordinary	103,555	103,555
5-Nov-2021	The Vanguard Group, Inc.	Buy	1.19	Ordinary	34,106	34,106
5-Nov-2021	The Vanguard Group, Inc.	Buy	1.09	Ordinary	332	332
12-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.42	Ordinary	4,594	4,594
13-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.42	Ordinary	32,220	32,220
19-Oct-2020	Vanguard Investments Australia Ltd.	Sell	1.46	Ordinary	(203,281)	(203,281)
20-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.45	Ordinary	183,426	183,426



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-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.45	Ordinary	15,368	15,368
20-Oct-2020	Vanguard Investments Australia Ltd.	Sell	1.45	Ordinary	(68,729)	(68,729)
22-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.36	Ordinary	9,707	9,707
23-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.36	Ordinary	32,190	32,190
27-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.30	Ordinary	309,302	309,302
28-Oct-2020	Vanguard Investments Australia Ltd.	Sell	1.31	Ordinary	(27,379)	(27,379)
28-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.31	Ordinary	32,290	32,290
29-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.28	Ordinary	15,364	15,364
29-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.28	Ordinary	23,230	23,230
30-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	213,740	213,740
30-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	97,525	97,525
30-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	78,884	78,884
30-Oct-2020	Vanguard Investments Australia Ltd.	Sell	1.53	Ordinary	(39,063)	(39,063)
3-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.66	Ordinary	31,790	31,790
3-Nov-2020	Vanguard Investments Australia Ltd.	Sell	1.66	Ordinary	(228,375)	(228,375)
4-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.67	Ordinary	47,145	47,145
5-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.67	Ordinary	6,292	6,292
6-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.68	Ordinary	71,784	71,784
9-Nov-2020	Vanguard Investments Australia Ltd.	Sell	1.71	Ordinary	(58,824)	(58,824)
10-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.70	Ordinary	53,788	53,788
10-Nov-2020	Vanguard Investments Australia Ltd.	Sell	1.70	Ordinary	(35,088)	(35,088)
12-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	15,416	15,416
13-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	54,060	54,060
13-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	168,540	168,540
17-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	31,820	31,820
17-Nov-2020	Vanguard Investments Australia Ltd.	Sell	1.73	Ordinary	(157,030)	(157,030)
19-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	125,105	125,105
20-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	4,658	4,658
20-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	9,316	9,316
23-Nov-2020	Vanguard Investments Australia Ltd.	Sell	1.71	Ordinary	(206,901)	(206,901)
23-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	38,376	38,376
25-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	93,380	93,380
26-Nov-2020	Vanguard Investments Australia Ltd.	Sell	1.73	Ordinary	(104,046)	(104,046)
26-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	611,872	611,872
26-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	15,416	15,416
30-Nov-2020	Vanguard Investments Australia Ltd.	Sell	1.72	Ordinary	(48,212)	(48,212)
1-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	48,465	48,465
2-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.77	Ordinary	51,984	51,984
3-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	550,577	550,577
3-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	15,416	15,416
3-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	2,327	2,327
3-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	14,164	14,164
4-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	32,390	32,390
9-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	3,321	3,321
11-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	42,133	42,133
11-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	6,978	6,978
15-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	32,350	32,350
16-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	32,330	32,330
17-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	41,990	41,990
17-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	15,416	15,416
17-Dec-2020	Vanguard Investments Australia Ltd.	Sell	1.72	Ordinary	(15,015)	(15,015)
18-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.70	Ordinary	48,719	48,719
18-Dec-2020	Vanguard Investments Australia Ltd.	Sell	1.70	Ordinary	(541,090)	(541,090)
18-Dec-2020	Vanguard Investments Australia Ltd.	Sell	1.70	Ordinary	(11,334)	(11,334)
22-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.61	Ordinary	64,900	64,900

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31-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.56	Ordinary	14,336	14,336
31-Dec-2020	Vanguard Investments Australia Ltd.	Sell	1.56	Ordinary	(162,806)	(162,806)
4-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.56	Ordinary	32,430	32,430
4-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.56	Ordinary	92,318	92,318
5-Jan-2021	Vanguard Investments Australia Ltd.	Sell	1.54	Ordinary	(11,079)	(11,079)
6-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.57	Ordinary	39,000	39,000
12-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.61	Ordinary	11,191	11,191
14-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.58	Ordinary	52,016	52,016
15-Jan-2021	Vanguard Investments Australia Ltd.	Sell	1.57	Ordinary	(3,305)	(3,305)
19-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.56	Ordinary	16,260	16,260
20-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.56	Ordinary	4,550	4,550
21-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.57	Ordinary	20,772	20,772
28-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.47	Ordinary	42,185	42,185
28-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.47	Ordinary	144,264	144,264
2-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.51	Ordinary	45,276	45,276
3-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.55	Ordinary	4,550	4,550
5-Feb-2021	Vanguard Investments Australia Ltd.	Sell	1.58	Ordinary	(15,575)	(15,575)
5-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.58	Ordinary	9,660	9,660
5-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.58	Ordinary	7,949	7,949
8-Feb-2021	Vanguard Investments Australia Ltd.	Sell	1.56	Ordinary	(14,228)	(14,228)
10-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.54	Ordinary	41,938	41,938
10-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.54	Ordinary	14,228	14,228
11-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.37	Ordinary	22,596	22,596
16-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.36	Ordinary	3,565	3,565
16-Feb-2021	Vanguard Investments Australia Ltd.	Sell	1.36	Ordinary	(14,260)	(14,260)
17-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.38	Ordinary	14,679	14,679
19-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.35	Ordinary	74,075	74,075
22-Feb-2021	Vanguard Investments Australia Ltd.	Sell	1.34	Ordinary	(800,569)	(800,569)
22-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.34	Ordinary	32,100	32,100
23-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.36	Ordinary	14,272	14,272
24-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.38	Ordinary	12,516	12,516
26-Feb-2021	Vanguard Investments Australia Ltd.	Sell	1.50	Ordinary	(96,774)	(96,774)
26-Feb-2021	Vanguard Investments Australia Ltd.	Sell	1.50	Ordinary	(23,369)	(23,369)
26-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.50	Ordinary	32,100	32,100
3-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.45	Ordinary	63,340	63,340
4-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.42	Ordinary	68,966	68,966
5-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.41	Ordinary	31,780	31,780
8-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.43	Ordinary	6,879	6,879
9-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.47	Ordinary	9,546	9,546
10-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.46	Ordinary	38,088	38,088
10-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.46	Ordinary	10,830	10,830
15-Mar-2021	Vanguard Investments Australia Ltd.	Sell	1.46	Ordinary	(14,440)	(14,440)
17-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.43	Ordinary	31,880	31,880
22-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.42	Ordinary	14,420	14,420
30-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.29	Ordinary	35,662	35,662
30-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.29	Ordinary	42,146	42,146
31-Mar-2021	Vanguard Investments Australia Ltd.	Sell	1.27	Ordinary	(172,951)	(172,951)
31-Mar-2021	Vanguard Investments Australia Ltd.	Sell	1.27	Ordinary	(77,821)	(77,821)
31-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.27	Ordinary	4,600	4,600
1-Apr-2021	Vanguard Investments Australia Ltd.	In Specie	1.33	Ordinary	(6,113,200)	(6,113,200)
1-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.33	Ordinary	14,244	14,244
6-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.26	Ordinary	15,849	15,849
6-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.26	Ordinary	9,657	9,657
7-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.25	Ordinary	38,496	38,496
8-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.28	Ordinary	13,525	13,525

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-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.26	Ordinary	38,760	38,760
9-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.26	Ordinary	71,060	71,060
9-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.26	Ordinary	6,849	6,849
9-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.26	Ordinary	22,830	22,830
12-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.26	Ordinary	10,683	10,683
14-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.23	Ordinary	2,281	2,281
14-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.23	Ordinary	4,562	4,562
14-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.23	Ordinary	6,843	6,843
20-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.20	Ordinary	64,600	64,600
20-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.20	Ordinary	56,485	56,485
21-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.16	Ordinary	135,000	135,000
21-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.16	Ordinary	277,500	277,500
21-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.17	Ordinary	14,360	14,360
21-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.17	Ordinary	83,333	83,333
28-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.10	Ordinary	59,306	59,306
29-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.14	Ordinary	35,255	35,255
29-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.14	Ordinary	9,124	9,124
30-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	14,360	14,360
3-May-2021	Vanguard Investments Australia Ltd.	Sell	1.09	Ordinary	(35,874)	(35,874)
3-May-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	31,780	31,780
3-May-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	6,846	6,846
5-May-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	23,850	23,850
6-May-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	47,715	47,715
7-May-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	2,282	2,282
10-May-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	2,285	2,285
12-May-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	14,384	14,384
13-May-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	32,880	32,880
13-May-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	4,580	4,580
13-May-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	6,870	6,870
14-May-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	44,996	44,996
17-May-2021	Vanguard Investments Australia Ltd.	Buy	1.10	Ordinary	38,700	38,700
17-May-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	275,231	275,231
17-May-2021	Vanguard Investments Australia Ltd.	Buy	1.10	Ordinary	14,444	14,444
18-May-2021	Vanguard Investments Australia Ltd.	Buy	1.10	Ordinary	34,365	34,365
19-May-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	42,120	42,120
20-May-2021	Vanguard Investments Australia Ltd.	In Specie	1.09	Ordinary	(12,431,968)	(12,431,968)
20-May-2021	Vanguard Investments Australia Ltd.	In Specie	1.09	Ordinary	(103,877)	(103,877)
20-May-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	14,444	14,444
20-May-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	6,873	6,873
21-May-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	65,040	65,040
21-May-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	2,292	2,292
21-May-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	16,044	16,044
25-May-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	39,108	39,108
26-May-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	2,291	2,291
27-May-2021	Vanguard Investments Australia Ltd.	Buy	1.16	Ordinary	5,093,585	5,093,585
27-May-2021	Vanguard Investments Australia Ltd.	Buy	1.16	Ordinary	10,833	10,833
2-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	60,858	60,858
2-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	89,686	89,686
3-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	2,292	2,292
8-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.18	Ordinary	38,868	38,868
8-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.18	Ordinary	7,222	7,222
9-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.17	Ordinary	38,760	38,760
11-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.22	Ordinary	14,444	14,444
15-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.22	Ordinary	50,404	50,404
15-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.22	Ordinary	2,292	2,292

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18-Jun-2021	Vanguard Investments Australia Ltd.	Sell	1.25	Ordinary	(81,633)	(81,633)
18-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.22	Ordinary	141,165	141,165
18-Jun-2021	Vanguard Investments Australia Ltd.	Sell	1.24	Ordinary	(474,094)	(474,094)
22-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.18	Ordinary	13,440	13,440
22-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.18	Ordinary	33,600	33,600
23-Jun-2021	Vanguard Investments Australia Ltd.	In Specie	1.16	Ordinary	(5,980,069)	(5,980,069)
23-Jun-2021	Vanguard Investments Australia Ltd.	In Specie	1.16	Ordinary	(2,880,127)	(2,880,127)
23-Jun-2021	Vanguard Investments Australia Ltd.	In Specie	1.16	Ordinary	(2,466,589)	(2,466,589)
23-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.16	Ordinary	4,630	4,630
24-Jun-2021	Vanguard Investments Australia Ltd.	Sell	1.16	Ordinary	(49,955)	(49,955)
24-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.16	Ordinary	13,468	13,468
24-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.16	Ordinary	4,630	4,630
24-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.16	Ordinary	34,852	34,852
28-Jun-2021	Vanguard Investments Australia Ltd.	Sell	1.17	Ordinary	(10,870)	(10,870)
29-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.15	Ordinary	40,980	40,980
29-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.15	Ordinary	50,828	50,828
29-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.15	Ordinary	13,484	13,484
30-Jun-2021	Vanguard Investments Australia Ltd.	Sell	1.13	Ordinary	(40,177)	(40,177)
2-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.14	Ordinary	17,155	17,155
2-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.14	Ordinary	6,945	6,945
5-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	16,770	16,770
7-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	48,566	48,566
9-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	48,790	48,790
9-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	59,245	59,245
9-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	49,404	49,404
12-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	415,957	415,957
12-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	13,041	13,041
13-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	9,276	9,276
13-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	18,552	18,552
15-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	222,555	222,555
15-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	8,889	8,889
19-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	17,615	17,615
20-Jul-2021	Vanguard Investments Australia Ltd.	Sell	1.06	Ordinary	(23,256)	(23,256)
20-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.06	Ordinary	42,276	42,276
20-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.06	Ordinary	37,215	37,215
21-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	13,416	13,416
22-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	15,431	15,431
23-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	42,360	42,360
27-Jul-2021	Vanguard Investments Australia Ltd.	In Specie	1.08	Ordinary	(3,153,207)	(3,153,207)
27-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	49,608	49,608
29-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	2,323	2,323
3-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	49,574	49,574
3-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	79,504	79,504
5-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	50,164	50,164
5-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	6,972	6,972
6-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	33,725	33,725
6-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	13,416	13,416
6-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	9,296	9,296
9-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	42,240	42,240
10-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	10,393	10,393
16-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.10	Ordinary	69,940	69,940
16-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.10	Ordinary	16,835	16,835
18-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.06	Ordinary	27,960	27,960
18-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.06	Ordinary	69,900	69,900
18-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.06	Ordinary	13,500	13,500

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18-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.06	Ordinary	6,996	6,996
19-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.07	Ordinary	45,552	45,552
20-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.06	Ordinary	17,605	17,605
20-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.06	Ordinary	10,128	10,128
23-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	4,666	4,666
23-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	10,195	10,195
24-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	10,134	10,134
25-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	45,357	45,357
25-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	574,392	574,392
25-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	50,172	50,172
26-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	34,940	34,940
30-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	49,476	49,476
30-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	16,945	16,945
30-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	7,011	7,011
1-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.10	Ordinary	13,576	13,576
1-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.10	Ordinary	10,185	10,185
2-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	57,312	57,312
2-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	7,014	7,014
3-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	98,090	98,090
3-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.12	Ordinary	9,352	9,352
6-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	43,164	43,164
6-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	67,705	67,705
7-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	49,948	49,948
7-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	13,720	13,720
8-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.09	Ordinary	6,862	6,862
9-Sep-2021	Vanguard Investments Australia Ltd.	Sell	1.05	Ordinary	(44,412)	(44,412)
9-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.05	Ordinary	50,302	50,302
9-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.05	Ordinary	13,724	13,724
10-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.06	Ordinary	16,876	16,876
15-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.00	Ordinary	43,428	43,428
16-Sep-2021	Vanguard Investments Australia Ltd.	Sell	1.00	Ordinary	(406)	(406)
16-Sep-2021	Vanguard Investments Australia Ltd.	Sell	1.00	Ordinary	(2,324)	(2,324)
16-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.00	Ordinary	17,155	17,155
16-Sep-2021	Vanguard Investments Australia Ltd.	Sell	1.00	Ordinary	(658)	(658)
17-Sep-2021	Vanguard Investments Australia Ltd.	Sell	0.99	Ordinary	(112,989)	(112,989)
17-Sep-2021	Vanguard Investments Australia Ltd.	Sell	0.99	Ordinary	(647,453)	(647,453)
17-Sep-2021	Vanguard Investments Australia Ltd.	Buy	0.99	Ordinary	37,500	37,500
17-Sep-2021	Vanguard Investments Australia Ltd.	Sell	0.99	Ordinary	(183,217)	(183,217)
17-Sep-2021	Vanguard Investments Australia Ltd.	Buy	0.99	Ordinary	9,388	9,388
20-Sep-2021	Vanguard Investments Australia Ltd.	Buy	0.95	Ordinary	49,714	49,714
20-Sep-2021	Vanguard Investments Australia Ltd.	Buy	0.95	Ordinary	16,290	16,290
20-Sep-2021	Vanguard Investments Australia Ltd.	Buy	0.95	Ordinary	8,976	8,976
21-Sep-2021	Vanguard Investments Australia Ltd.	Buy	0.93	Ordinary	9,774	9,774
22-Sep-2021	Vanguard Investments Australia Ltd.	Buy	0.92	Ordinary	4,480	4,480
23-Sep-2021	Vanguard Investments Australia Ltd.	Buy	0.97	Ordinary	60,928	60,928
27-Sep-2021	Vanguard Investments Australia Ltd.	Buy	0.99	Ordinary	22,380	22,380
28-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.03	Ordinary	42,600	42,600
29-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.00	Ordinary	17,675	17,675
29-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.00	Ordinary	29,196	29,196
30-Sep-2021	Vanguard Investments Australia Ltd.	Sell	0.99	Ordinary	(337,214)	(337,214)
1-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.03	Ordinary	51,465	51,465
1-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.03	Ordinary	54,896	54,896
1-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.03	Ordinary	8,860	8,860
1-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.03	Ordinary	11,075	11,075
4-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.06	Ordinary	17,190	17,190

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5-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.03	Ordinary	49,928	49,928
5-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.03	Ordinary	17,728	17,728
8-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	52,240	52,240
11-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	11,125	11,125
12-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	49,896	49,896
12-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	11,928	11,928
12-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	15,575	15,575
14-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	19,062	19,062
15-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	41,275	41,275
18-Oct-2021	Vanguard Investments Australia Ltd.	Sell	1.13	Ordinary	(40,931)	(40,931)
18-Oct-2021	Vanguard Investments Australia Ltd.	Sell	1.13	Ordinary	(95,000)	(95,000)
18-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.13	Ordinary	8,900	8,900
19-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	37,422	37,422
19-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.11	Ordinary	8,900	8,900
21-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.17	Ordinary	40,456	40,456
22-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.17	Ordinary	19,068	19,068
26-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.16	Ordinary	8,900	8,900
27-Oct-2021	Vanguard Investments Australia Ltd.	In Specie	1.14	Ordinary	(1,643,301)	(1,643,301)
27-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.14	Ordinary	41,314	41,314
29-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	45,750	45,750
29-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	49,884	49,884
29-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.08	Ordinary	8,900	8,900
1-Nov-2021	Vanguard Investments Australia Ltd.	Buy	1.10	Ordinary	15,310	15,310
1-Nov-2021	Vanguard Investments Australia Ltd.	Sell	1.10	Ordinary	(25,094)	(25,094)
2-Nov-2021	Vanguard Investments Australia Ltd.	Sell	1.08	Ordinary	(163,011)	(163,011)
3-Nov-2021	Vanguard Investments Australia Ltd.	Buy	1.18	Ordinary	10,592	10,592
3-Nov-2021	Vanguard Investments Australia Ltd.	Buy	1.18	Ordinary	15,875	15,875
4-Nov-2021	Vanguard Investments Australia Ltd.	Buy	1.19	Ordinary	35,988	35,988
5-Nov-2021	Vanguard Investments Australia Ltd.	In Specie	1.18	Ordinary	(16,076,784)	(16,076,784)
5-Nov-2021	Vanguard Investments Australia Ltd.	Buy	1.18	Ordinary	8,904	8,904
5-Nov-2021	Vanguard Investments Australia Ltd.	Buy	1.18	Ordinary	14,964	14,964

This is Annexure A of 13 pages referred to in Form 605, Notice of ceasing to be a substantial holder.

Signature:  \_\_\_\_\_

Name: Shawn Acker \_\_\_\_\_

Capacity: Compliance Manager \_\_\_\_\_

Date: 16 November 2021 \_\_\_\_\_