



To Company  
ACN/ARSN

Monadelphous Group Limited  
008 988 547

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
14-May-19	The Vanguard Group, Inc.	SELL	18.00	Ordinary	(1,008)	(1,008)
23-May-19	The Vanguard Group, Inc.	SELL	19.23	Ordinary	(2,185)	(2,185)
5-Jun-19	The Vanguard Group, Inc.	SELL	18.58	Ordinary	(672)	(672)
5-Jun-19	The Vanguard Group, Inc.	SELL	18.58	Ordinary	(1,344)	(1,344)
11-Jun-19	The Vanguard Group, Inc.	SELL	19.35	Ordinary	(840)	(840)
14-Jun-19	The Vanguard Group, Inc.	SELL	19.60	Ordinary	(504)	(504)
17-Jun-19	The Vanguard Group, Inc.	BUY	19.62	Ordinary	21,463	21,463
25-Jun-19	The Vanguard Group, Inc.	BUY	18.49	Ordinary	504	504
28-Jun-19	The Vanguard Group, Inc.	BUY	18.87	Ordinary	29,913	29,913
12-Jul-19	The Vanguard Group, Inc.	BUY	18.90	Ordinary	3,067	3,067
30-Jul-19	The Vanguard Group, Inc.	SELL	18.96	Ordinary	(672)	(672)
6-Aug-19	The Vanguard Group, Inc.	BUY	17.08	Ordinary	17,164	17,164
8-Aug-19	The Vanguard Group, Inc.	SELL	17.33	Ordinary	(840)	(840)
13-Aug-19	The Vanguard Group, Inc.	SELL	17.27	Ordinary	(1,176)	(1,176)
15-Aug-19	The Vanguard Group, Inc.	SELL	17.13	Ordinary	(1,008)	(1,008)
19-Aug-19	The Vanguard Group, Inc.	SELL	18.03	Ordinary	(714)	(714)
4-Sep-19	The Vanguard Group, Inc.	SELL	15.31	Ordinary	(714)	(714)
16-Sep-19	The Vanguard Group, Inc.	BUY	15.40	Ordinary	504	504
18-Sep-19	The Vanguard Group, Inc.	SELL	15.15	Ordinary	(1,428)	(1,428)
24-Sep-19	The Vanguard Group, Inc.	BUY	15.06	Ordinary	6,156	6,156
2-Oct-19	The Vanguard Group, Inc.	BUY	15.15	Ordinary	29,215	29,215
25-Oct-19	The Vanguard Group, Inc.	BUY	15.51	Ordinary	2367	2367
25-Oct-19	The Vanguard Group, Inc.	SELL	15.57	Ordinary	(2,016)	(2,016)
29-Oct-19	The Vanguard Group, Inc.	SELL	15.38	Ordinary	(714)	(714)
31-Oct-19	The Vanguard Group, Inc.	BUY	15.36	Ordinary	8,497	8,497
1-Nov-19	The Vanguard Group, Inc.	BUY	15.76	Ordinary	10,668	10,668
4-Dec-19	The Vanguard Group, Inc.	BUY	16.03	Ordinary	1,496	1,496
20-Dec-19	The Vanguard Group, Inc.	BUY	17.08	Ordinary	12,913	12,913
20-Dec-19	The Vanguard Group, Inc.	SELL	17.07	Ordinary	(3,643)	(3,643)
20-Dec-19	The Vanguard Group, Inc.	SELL	17.06	Ordinary	(20,870)	(20,870)
30-Dec-19	The Vanguard Group, Inc.	SELL	17.20	Ordinary	(193)	(193)
3-Jan-20	The Vanguard Group, Inc.	BUY	16.93	Ordinary	5,489	5,489
6-Jan-20	The Vanguard Group, Inc.	BUY	16.64	Ordinary	7,293	7,293
6-Jan-20	The Vanguard Group, Inc.	BUY	16.65	Ordinary	6,300	6,300
10-Jan-20	The Vanguard Group, Inc.	BUY	17.23	Ordinary	27,772	27,772
15-Jan-20	The Vanguard Group, Inc.	SELL	17.43	Ordinary	(5,532)	(5,532)
24-Jan-20	The Vanguard Group, Inc.	BUY	17.82	Ordinary	1,430	1,430
28-Jan-20	The Vanguard Group, Inc.	BUY	17.02	Ordinary	1,112	1,112
20-Feb-20	The Vanguard Group, Inc.	BUY	16.83	Ordinary	34,565	34,565
24-Feb-20	The Vanguard Group, Inc.	SELL	15.92	Ordinary	(790)	(790)
25-Feb-20	The Vanguard Group, Inc.	SELL	15.07	Ordinary	(316)	(316)
28-Feb-20	The Vanguard Group, Inc.	BUY	14.63	Ordinary	27,707	27,707
28-Feb-20	The Vanguard Group, Inc.	BUY	14.70	Ordinary	12,396	12,396
4-Mar-20	The Vanguard Group, Inc.	SELL	14.54	Ordinary	(1,678)	(1,678)
10-Mar-20	The Vanguard Group, Inc.	BUY	13.07	Ordinary	1,182	1,182
13-Mar-20	The Vanguard Group, Inc.	BUY	11.05	Ordinary	50,272	50,272
13-Mar-20	The Vanguard Group, Inc.	BUY	12.41	Ordinary	2,364	2,364
16-Mar-20	The Vanguard Group, Inc.	SELL	10.71	Ordinary	(474)	(474)
17-Mar-20	The Vanguard Group, Inc.	SELL	13.13	Ordinary	(632)	(632)
18-Mar-20	The Vanguard Group, Inc.	BUY	11.81	Ordinary	17,642	17,642
18-Mar-20	The Vanguard Group, Inc.	BUY	11.00	Ordinary	38,103	38,103
18-Mar-20	The Vanguard Group, Inc.	BUY	10.82	Ordinary	1,773	1,773
19-Mar-20	The Vanguard Group, Inc.	BUY	9.52	Ordinary	1,544	1,544
20-Mar-20	The Vanguard Group, Inc.	SELL	9.41	Ordinary	(790)	(790)
20-Mar-20	The Vanguard Group, Inc.	BUY	9.71	Ordinary	2,040	2,040
23-Mar-20	The Vanguard Group, Inc.	SELL	8.99	Ordinary	(632)	(632)
24-Mar-20	The Vanguard Group, Inc.	BUY	9.81	Ordinary	1,878	1,878
24-Mar-20	The Vanguard Group, Inc.	BUY	9.81	Ordinary	3,130	3,130
24-Mar-20	The Vanguard Group, Inc.	BUY	9.02	Ordinary	1,993	1,993
26-Mar-20	The Vanguard Group, Inc.	SELL	9.83	Ordinary	(474)	(474)
26-Mar-20	The Vanguard Group, Inc.	SELL	9.30	Ordinary	(23,332)	(23,332)
27-Mar-20	The Vanguard Group, Inc.	BUY	9.33	Ordinary	2,504	2,504
7-Apr-20	The Vanguard Group, Inc.	SELL	10.39	Ordinary	(11,795)	(11,795)

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7-Apr-20	The Vanguard Group, Inc.	SELL	10.27	Ordinary	(8,550)	(8,550)
17-Apr-20	The Vanguard Group, Inc.	SELL	11.53	Ordinary	(2,504)	(2,504)
22-Apr-20	The Vanguard Group, Inc.	SELL	10.22	Ordinary	(1,878)	(1,878)
23-Apr-20	The Vanguard Group, Inc.	SELL	9.87	Ordinary	(24,814)	(24,814)
1-May-20	The Vanguard Group, Inc.	SELL	9.59	Ordinary	(632)	(632)
6-May-20	The Vanguard Group, Inc.	SELL	9.80	Ordinary	(1,878)	(1,878)
8-May-20	The Vanguard Group, Inc.	SELL	10.66	Ordinary	(1,106)	(1,106)
13-May-20	The Vanguard Group, Inc.	BUY	10.99	Ordinary	2,324	2,324
14-May-20	The Vanguard Group, Inc.	SELL	10.85	Ordinary	(26,178)	(26,178)
22-May-20	The Vanguard Group, Inc.	SELL	10.83	Ordinary	(4,182)	(4,182)
28-May-20	The Vanguard Group, Inc.	BUY	11.95	Ordinary	1,896	1,896
1-Jun-20	The Vanguard Group, Inc.	BUY	12.08	Ordinary	790	790
2-Jun-20	The Vanguard Group, Inc.	BUY	12.13	Ordinary	2,370	2,370
4-Jun-20	The Vanguard Group, Inc.	BUY	11.98	Ordinary	790	790
8-Jun-20	The Vanguard Group, Inc.	SELL	12.64	Ordinary	(5,886)	(5,886)
11-Jun-20	The Vanguard Group, Inc.	BUY	11.37	Ordinary	790	790
11-Jun-20	The Vanguard Group, Inc.	SELL	12.15	Ordinary	(43,780)	(43,780)
11-Jun-20	The Vanguard Group, Inc.	SELL	11.37	Ordinary	(2,616)	(2,616)
30-Jun-20	The Vanguard Group, Inc.	BUY	10.86	Ordinary	4,767	4,767
15-Jul-20	The Vanguard Group, Inc.	SELL	9.84	Ordinary	(1,896)	(1,896)
15-Jul-20	The Vanguard Group, Inc.	SELL	9.84	Ordinary	(632)	(632)
27-Jul-20	The Vanguard Group, Inc.	SELL	9.46	Ordinary	(2,976)	(2,976)
28-Jul-20	The Vanguard Group, Inc.	SELL	9.25	Ordinary	(50,000)	(50,000)
29-Jul-20	The Vanguard Group, Inc.	SELL	9.10	Ordinary	(1,194)	(1,194)
29-Jul-20	The Vanguard Group, Inc.	SELL	8.99	Ordinary	(12,756)	(12,756)
29-Jul-20	The Vanguard Group, Inc.	SELL	9.10	Ordinary	(75,000)	(75,000)
30-Jul-20	The Vanguard Group, Inc.	SELL	9.12	Ordinary	(61,086)	(61,086)
31-Jul-20	The Vanguard Group, Inc.	SELL	8.93	Ordinary	(122,900)	(122,900)
31-Jul-20	The Vanguard Group, Inc.	SELL	8.90	Ordinary	(255,836)	(255,836)
13-Aug-20	The Vanguard Group, Inc.	SELL	8.40	Ordinary	(632)	(632)
18-Aug-20	The Vanguard Group, Inc.	SELL	10.09	Ordinary	(3,544)	(3,544)
18-Aug-20	The Vanguard Group, Inc.	BUY	10.09	Ordinary	3,544	3,544
1-Sep-20	The Vanguard Group, Inc.	SELL	10.95	Ordinary	(35,240)	(35,240)
1-Sep-20	The Vanguard Group, Inc.	BUY	10.95	Ordinary	35,240	35,240
4-Sep-20	The Vanguard Group, Inc.	BUY	10.90	Ordinary	125	125
18-Sep-20	The Vanguard Group, Inc.	BUY	10.93	Ordinary	1,266	1,266
18-Sep-20	The Vanguard Group, Inc.	SELL	10.93	Ordinary	(2,123)	(2,123)
23-Sep-20	The Vanguard Group, Inc.	BUY	10.85	Ordinary	2,113	2,113
25-Sep-20	The Vanguard Group, Inc.	SELL	10.38	Ordinary	(3,756)	(3,756)
25-Sep-20	The Vanguard Group, Inc.	SELL	10.38	Ordinary	(3,130)	(3,130)
29-Sep-20	The Vanguard Group, Inc.	SELL	10.57	Ordinary	(37,771)	(37,771)
29-Sep-20	The Vanguard Group, Inc.	BUY	10.57	Ordinary	37,771	37,771
6-Oct-20	The Vanguard Group, Inc.	SELL	10.27	Ordinary	(6,260)	(6,260)
7-Oct-20	The Vanguard Group, Inc.	SELL	10.65	Ordinary	(5,634)	(5,634)
8-Oct-20	The Vanguard Group, Inc.	SELL	10.46	Ordinary	(3,130)	(3,130)
20-Oct-20	The Vanguard Group, Inc.	SELL	10.01	Ordinary	(1,224)	(1,224)
5-Nov-20	The Vanguard Group, Inc.	BUY	9.56	Ordinary	2,207	2,207
13-Nov-20	The Vanguard Group, Inc.	SELL	11.02	Ordinary	(1,224)	(1,224)
8-Dec-20	The Vanguard Group, Inc.	BUY	15.11	Ordinary	1,215	1,215
9-Dec-20	The Vanguard Group, Inc.	BUY	15.21	Ordinary	387	387
9-Dec-20	The Vanguard Group, Inc.	SELL	15.25	Ordinary	(37,898)	(37,898)
15-Dec-20	The Vanguard Group, Inc.	BUY	14.62	Ordinary	903	903
18-Dec-20	The Vanguard Group, Inc.	BUY	13.64	Ordinary	5,165	5,165
21-Dec-20	The Vanguard Group, Inc.	BUY	13.82	Ordinary	1,755	1,755
21-Dec-20	The Vanguard Group, Inc.	BUY	13.82	Ordinary	1,170	1,170
22-Dec-20	The Vanguard Group, Inc.	BUY	13.46	Ordinary	645	645
24-Dec-20	The Vanguard Group, Inc.	BUY	13.82	Ordinary	5,171	5,171
29-Dec-20	The Vanguard Group, Inc.	BUY	13.84	Ordinary	4,717	4,717
6-Jan-21	The Vanguard Group, Inc.	BUY	13.68	Ordinary	516	516
7-Jan-21	The Vanguard Group, Inc.	BUY	13.70	Ordinary	2,322	2,322
7-Jan-21	The Vanguard Group, Inc.	SELL	13.68	Ordinary	(25,464)	(25,464)
7-Jan-21	The Vanguard Group, Inc.	BUY	13.70	Ordinary	1,755	1,755
7-Jan-21	The Vanguard Group, Inc.	BUY	13.70	Ordinary	2,925	2,925
8-Jan-21	The Vanguard Group, Inc.	BUY	14.17	Ordinary	1,170	1,170
12-Jan-21	The Vanguard Group, Inc.	BUY	13.84	Ordinary	387	387
12-Jan-21	The Vanguard Group, Inc.	BUY	13.84	Ordinary	1,032	1,032
12-Jan-21	The Vanguard Group, Inc.	BUY	13.84	Ordinary	2,340	2,340
20-Jan-21	The Vanguard Group, Inc.	BUY	14.36	Ordinary	940	940
21-Jan-21	The Vanguard Group, Inc.	BUY	14.48	Ordinary	1,161	1,161
29-Jan-21	The Vanguard Group, Inc.	BUY	12.87	Ordinary	387	387

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10-Feb-21	The Vanguard Group, Inc.	BUY	12.16	Ordinary	516	516
10-Feb-21	The Vanguard Group, Inc.	BUY	12.16	Ordinary	1,806	1,806
11-Feb-21	The Vanguard Group, Inc.	BUY	12.23	Ordinary	516	516
12-Feb-21	The Vanguard Group, Inc.	BUY	12.21	Ordinary	387	387
22-Feb-21	The Vanguard Group, Inc.	SELL	11.86	Ordinary	(1,955)	(1,955)
23-Feb-21	The Vanguard Group, Inc.	BUY	12.26	Ordinary	1,755	1,755
25-Feb-21	The Vanguard Group, Inc.	BUY	11.31	Ordinary	6,435	6,435
26-Feb-21	The Vanguard Group, Inc.	BUY	11.55	Ordinary	3,510	3,510
26-Feb-21	The Vanguard Group, Inc.	BUY	11.55	Ordinary	10,530	10,530
1-Mar-21	The Vanguard Group, Inc.	BUY	11.90	Ordinary	8,190	8,190
2-Mar-21	The Vanguard Group, Inc.	BUY	11.72	Ordinary	5,850	5,850
4-Mar-21	The Vanguard Group, Inc.	BUY	11.04	Ordinary	6,435	6,435
5-Mar-21	The Vanguard Group, Inc.	BUY	11.02	Ordinary	4,680	4,680
5-Mar-21	The Vanguard Group, Inc.	BUY	11.02	Ordinary	7,020	7,020
9-Mar-21	The Vanguard Group, Inc.	BUY	10.77	Ordinary	1,290	1,290
9-Mar-21	The Vanguard Group, Inc.	BUY	10.77	Ordinary	7,020	7,020
10-Mar-21	The Vanguard Group, Inc.	BUY	10.76	Ordinary	5,850	5,850
15-Mar-21	The Vanguard Group, Inc.	BUY	11.14	Ordinary	4,095	4,095
16-Mar-21	The Vanguard Group, Inc.	BUY	11.23	Ordinary	1,755	1,755
16-Mar-21	The Vanguard Group, Inc.	BUY	11.23	Ordinary	8,775	8,775
16-Mar-21	The Vanguard Group, Inc.	BUY	11.23	Ordinary	3,510	3,510
17-Mar-21	The Vanguard Group, Inc.	BUY	11.25	Ordinary	3,510	3,510
17-Mar-21	The Vanguard Group, Inc.	BUY	11.25	Ordinary	7,020	7,020
22-Mar-21	The Vanguard Group, Inc.	BUY	10.66	Ordinary	9,334	9,334
22-Mar-21	The Vanguard Group, Inc.	BUY	10.66	Ordinary	4,308	4,308
1-Apr-21	The Vanguard Group, Inc.	BUY	10.70	Ordinary	2,872	2,872
7-Apr-21	The Vanguard Group, Inc.	BUY	10.99	Ordinary	2,154	2,154
9-Apr-21	The Vanguard Group, Inc.	BUY	11.16	Ordinary	167	167
13-Apr-21	The Vanguard Group, Inc.	BUY	10.93	Ordinary	24,589	24,589
13-Apr-21	The Vanguard Group, Inc.	BUY	10.96	Ordinary	2,154	2,154
23-Apr-21	The Vanguard Group, Inc.	BUY	12.45	Ordinary	2,154	2,154
26-Apr-21	The Vanguard Group, Inc.	BUY	12.37	Ordinary	4,308	4,308
26-Apr-21	The Vanguard Group, Inc.	BUY	12.37	Ordinary	4,308	4,308
27-Apr-21	The Vanguard Group, Inc.	SELL	12.43	Ordinary	(248)	(248)
7-May-21	The Vanguard Group, Inc.	SELL	12.43	Ordinary	(215)	(215)
7-May-21	The Vanguard Group, Inc.	BUY	12.29	Ordinary	533	533
27-May-21	The Vanguard Group, Inc.	BUY	10.19	Ordinary	2,487	2,487
18-Jun-21	The Vanguard Group, Inc.	BUY	10.01	Ordinary	1994	1994
20-Jul-21	The Vanguard Group, Inc.	BUY	10.89	Ordinary	783	783
27-Jul-21	The Vanguard Group, Inc.	SELL	10.95	Ordinary	(2,042)	(2,042)
27-Jul-21	The Vanguard Group, Inc.	BUY	11.00	Ordinary	25,212	25,212
27-Jul-21	The Vanguard Group, Inc.	BUY	10.95	Ordinary	2,042	2,042
28-Jul-21	The Vanguard Group, Inc.	BUY	10.63	Ordinary	4,698	4,698
5-Aug-21	The Vanguard Group, Inc.	BUY	11.50	Ordinary	3,915	3,915
17-Aug-21	The Vanguard Group, Inc.	BUY	11.09	Ordinary	2,349	2,349
26-Aug-21	The Vanguard Group, Inc.	BUY	10.54	Ordinary	1,552	1,552
1-Sep-21	The Vanguard Group, Inc.	BUY	10.43	Ordinary	2,073	2,073
5-Nov-21	The Vanguard Group, Inc.	BUY	10.08	Ordinary	26,735	26,735
17-May-19	Vanguard Investments Australia Ltd.	BUY	18.97	Ordinary	1,100	1,100
21-May-19	Vanguard Investments Australia Ltd.	BUY	18.88	Ordinary	1,010	1,010
28-May-19	Vanguard Investments Australia Ltd.	SELL	19.68	Ordinary	(3,125)	(3,125)
28-May-19	Vanguard Investments Australia Ltd.	BUY	19.69	Ordinary	1,010	1,010
29-May-19	Vanguard Investments Australia Ltd.	BUY	19.78	Ordinary	814	814
4-Jun-19	Vanguard Investments Australia Ltd.	BUY	18.30	Ordinary	1,010	1,010
6-Jun-19	Vanguard Investments Australia Ltd.	BUY	18.90	Ordinary	1,320	1,320
7-Jun-19	Vanguard Investments Australia Ltd.	BUY	19.16	Ordinary	7,918	7,918
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	814	814
17-Jun-19	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	880	880
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	18.44	Ordinary	45	45
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	18.50	Ordinary	7,283	7,283
21-Jun-19	Vanguard Investments Australia Ltd.	BUY	18.52	Ordinary	660	660
25-Jun-19	Vanguard Investments Australia Ltd.	SELL	18.59	Ordinary	(5,828)	(5,828)
25-Jun-19	Vanguard Investments Australia Ltd.	BUY	18.59	Ordinary	818	818
27-Jun-19	Vanguard Investments Australia Ltd.	BUY	18.80	Ordinary	651	651
28-Jun-19	Vanguard Investments Australia Ltd.	SELL	18.81	Ordinary	(2,004)	(2,004)
2-Jul-19	Vanguard Investments Australia Ltd.	BUY	19.00	Ordinary	1,092	1,092
8-Jul-19	Vanguard Investments Australia Ltd.	BUY	18.70	Ordinary	546	546
9-Jul-19	Vanguard Investments Australia Ltd.	BUY	18.80	Ordinary	546	546
9-Jul-19	Vanguard Investments Australia Ltd.	BUY	18.80	Ordinary	8,498	8,498
11-Jul-19	Vanguard Investments Australia Ltd.	BUY	19.08	Ordinary	522	522

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16-Jul-19	Vanguard Investments Australia Ltd.	BUY	18.71	Ordinary	1,044	1,044
18-Jul-19	Vanguard Investments Australia Ltd.	BUY	18.65	Ordinary	1,206	1,206
30-Jul-19	Vanguard Investments Australia Ltd.	BUY	19.01	Ordinary	946	946
5-Aug-19	Vanguard Investments Australia Ltd.	BUY	17.88	Ordinary	804	804
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	17.17	Ordinary	1,929	1,929
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	17.17	Ordinary	747	747
6-Aug-19	Vanguard Investments Australia Ltd.	BUY	17.17	Ordinary	747	747
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	17.12	Ordinary	6,087	6,087
8-Aug-19	Vanguard Investments Australia Ltd.	BUY	17.21	Ordinary	913	913
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	17.40	Ordinary	2,040	2,040
9-Aug-19	Vanguard Investments Australia Ltd.	BUY	17.35	Ordinary	3,123	3,123
12-Aug-19	Vanguard Investments Australia Ltd.	BUY	17.43	Ordinary	913	913
27-Aug-19	Vanguard Investments Australia Ltd.	BUY	15.38	Ordinary	1,586	1,586
29-Aug-19	Vanguard Investments Australia Ltd.	SELL	15.62	Ordinary	(1,656)	(1,656)
30-Aug-19	Vanguard Investments Australia Ltd.	BUY	15.91	Ordinary	6,329	6,329
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	15.73	Ordinary	828	828
2-Sep-19	Vanguard Investments Australia Ltd.	BUY	15.73	Ordinary	1,848	1,848
3-Sep-19	Vanguard Investments Australia Ltd.	BUY	15.64	Ordinary	11,793	11,793
5-Sep-19	Vanguard Investments Australia Ltd.	BUY	15.62	Ordinary	10,517	10,517
10-Sep-19	Vanguard Investments Australia Ltd.	BUY	16.10	Ordinary	1,248	1,248
17-Sep-19	Vanguard Investments Australia Ltd.	BUY	15.26	Ordinary	1,463	1,463
20-Sep-19	Vanguard Investments Australia Ltd.	BUY	15.57	Ordinary	760	760
23-Sep-19	Vanguard Investments Australia Ltd.	BUY	15.39	Ordinary	1,185	1,185
25-Sep-19	Vanguard Investments Australia Ltd.	BUY	14.79	Ordinary	1,092	1,092
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	15.75	Ordinary	1,248	1,248
27-Sep-19	Vanguard Investments Australia Ltd.	BUY	15.75	Ordinary	924	924
2-Oct-19	Vanguard Investments Australia Ltd.	SELL	15.10	Ordinary	(1,872)	(1,872)
2-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.10	Ordinary	1,482	1,482
4-Oct-19	Vanguard Investments Australia Ltd.	BUY	14.84	Ordinary	1,326	1,326
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	14.80	Ordinary	1,660	1,660
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	14.80	Ordinary	1,660	1,660
11-Oct-19	Vanguard Investments Australia Ltd.	BUY	14.80	Ordinary	632	632
14-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.02	Ordinary	12,100	12,100
16-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.31	Ordinary	14,338	14,338
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.35	Ordinary	5,810	5,810
18-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.35	Ordinary	790	790
22-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.67	Ordinary	800	800
23-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.42	Ordinary	6,382	6,382
28-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.56	Ordinary	790	790
30-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.39	Ordinary	2,900	2,900
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.34	Ordinary	4,215	4,215
31-Oct-19	Vanguard Investments Australia Ltd.	SELL	15.34	Ordinary	(948)	(948)
31-Oct-19	Vanguard Investments Australia Ltd.	BUY	15.34	Ordinary	1,896	1,896
5-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.90	Ordinary	936	936
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.82	Ordinary	3,320	3,320
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.82	Ordinary	1,660	1,660
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.82	Ordinary	2,905	2,905
11-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.65	Ordinary	5,544	5,544
12-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.57	Ordinary	847	847
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.58	Ordinary	1,248	1,248
13-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.58	Ordinary	234	234
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.37	Ordinary	3,328	3,328
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.37	Ordinary	2,080	2,080
19-Nov-19	Vanguard Investments Australia Ltd.	BUY	15.37	Ordinary	1,001	1,001
20-Nov-19	Vanguard Investments Australia Ltd.	BUY	16.02	Ordinary	539	539
21-Nov-19	Vanguard Investments Australia Ltd.	SELL	16.50	Ordinary	(1,248)	(1,248)
21-Nov-19	Vanguard Investments Australia Ltd.	BUY	16.50	Ordinary	1,638	1,638
22-Nov-19	Vanguard Investments Australia Ltd.	BUY	16.38	Ordinary	5,258	5,258
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	16.10	Ordinary	2,070	2,070
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	16.10	Ordinary	3,726	3,726
26-Nov-19	Vanguard Investments Australia Ltd.	SELL	15.99	Ordinary	(3,958)	(3,958)
29-Nov-19	Vanguard Investments Australia Ltd.	BUY	16.35	Ordinary	972	972
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	16.66	Ordinary	4,438	4,438
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	15.64	Ordinary	1,826	1,826
6-Dec-19	Vanguard Investments Australia Ltd.	BUY	15.94	Ordinary	27,323	27,323
6-Dec-19	Vanguard Investments Australia Ltd.	BUY	15.94	Ordinary	5,901	5,901
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	16.24	Ordinary	1,032	1,032
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	16.35	Ordinary	2,720	2,720
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	16.35	Ordinary	4,348	4,348
13-Dec-19	Vanguard Investments Australia Ltd.	BUY	17.47	Ordinary	910	910

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-Dec-19	Vanguard Investments Australia Ltd.	BUY	17.41	Ordinary	1,200	1,200
18-Dec-19	Vanguard Investments Australia Ltd.	BUY	17.16	Ordinary	1,302	1,302
27-Dec-19	Vanguard Investments Australia Ltd.	BUY	17.14	Ordinary	798	798
30-Dec-19	Vanguard Investments Australia Ltd.	BUY	17.20	Ordinary	752	752
31-Dec-19	Vanguard Investments Australia Ltd.	SELL	16.68	Ordinary	(1,750)	(1,750)
31-Dec-19	Vanguard Investments Australia Ltd.	BUY	16.68	Ordinary	470	470
2-Jan-20	Vanguard Investments Australia Ltd.	BUY	16.64	Ordinary	1,116	1,116
7-Jan-20	Vanguard Investments Australia Ltd.	BUY	17.08	Ordinary	558	558
8-Jan-20	Vanguard Investments Australia Ltd.	BUY	16.87	Ordinary	1,410	1,410
9-Jan-20	Vanguard Investments Australia Ltd.	SELL	17.23	Ordinary	(752)	(752)
13-Jan-20	Vanguard Investments Australia Ltd.	BUY	17.24	Ordinary	1,176	1,176
13-Jan-20	Vanguard Investments Australia Ltd.	BUY	17.24	Ordinary	1,410	1,410
14-Jan-20	Vanguard Investments Australia Ltd.	BUY	17.03	Ordinary	1,176	1,176
15-Jan-20	Vanguard Investments Australia Ltd.	BUY	17.43	Ordinary	7,043	7,043
21-Jan-20	Vanguard Investments Australia Ltd.	BUY	17.77	Ordinary	1,410	1,410
30-Jan-20	Vanguard Investments Australia Ltd.	BUY	17.82	Ordinary	1,410	1,410
3-Feb-20	Vanguard Investments Australia Ltd.	SELL	17.08	Ordinary	(2,877)	(2,877)
7-Feb-20	Vanguard Investments Australia Ltd.	BUY	17.19	Ordinary	920	920
11-Feb-20	Vanguard Investments Australia Ltd.	BUY	16.59	Ordinary	1,820	1,820
17-Feb-20	Vanguard Investments Australia Ltd.	SELL	16.38	Ordinary	(5,524)	(5,524)
26-Feb-20	Vanguard Investments Australia Ltd.	BUY	15.22	Ordinary	1,504	1,504
27-Feb-20	Vanguard Investments Australia Ltd.	BUY	15.11	Ordinary	7,309	7,309
28-Feb-20	Vanguard Investments Australia Ltd.	SELL	14.44	Ordinary	(2,407)	(2,407)
28-Feb-20	Vanguard Investments Australia Ltd.	BUY	14.42	Ordinary	1,425	1,425
2-Mar-20	Vanguard Investments Australia Ltd.	SELL	14.10	Ordinary	(6,935)	(6,935)
2-Mar-20	Vanguard Investments Australia Ltd.	BUY	14.10	Ordinary	1,167	1,167
3-Mar-20	Vanguard Investments Australia Ltd.	BUY	14.90	Ordinary	2,538	2,538
4-Mar-20	Vanguard Investments Australia Ltd.	BUY	14.23	Ordinary	6,401	6,401
4-Mar-20	Vanguard Investments Australia Ltd.	BUY	14.23	Ordinary	1,615	1,615
5-Mar-20	Vanguard Investments Australia Ltd.	BUY	14.14	Ordinary	2,490	2,490
6-Mar-20	Vanguard Investments Australia Ltd.	SELL	13.23	Ordinary	(6,750)	(6,750)
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	11.93	Ordinary	3,582	3,582
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	11.93	Ordinary	3,325	3,325
10-Mar-20	Vanguard Investments Australia Ltd.	BUY	12.85	Ordinary	4,471	4,471
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	12.23	Ordinary	1,900	1,900
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	12.23	Ordinary	2,375	2,375
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	11.62	Ordinary	9,063	9,063
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	11.62	Ordinary	2,820	2,820
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	11.62	Ordinary	1,598	1,598
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	11.83	Ordinary	5,498	5,498
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	11.83	Ordinary	2,850	2,850
16-Mar-20	Vanguard Investments Australia Ltd.	BUY	10.63	Ordinary	3,325	3,325
17-Mar-20	Vanguard Investments Australia Ltd.	BUY	12.60	Ordinary	2,350	2,350
18-Mar-20	Vanguard Investments Australia Ltd.	BUY	10.50	Ordinary	3,652	3,652
18-Mar-20	Vanguard Investments Australia Ltd.	BUY	10.50	Ordinary	2,790	2,790
19-Mar-20	Vanguard Investments Australia Ltd.	BUY	9.48	Ordinary	2,024	2,024
20-Mar-20	Vanguard Investments Australia Ltd.	BUY	9.59	Ordinary	2,883	2,883
23-Mar-20	Vanguard Investments Australia Ltd.	BUY	8.84	Ordinary	1,288	1,288
26-Mar-20	Vanguard Investments Australia Ltd.	BUY	9.30	Ordinary	1,335	1,335
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	9.69	Ordinary	5,095	5,095
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	9.69	Ordinary	5,611	5,611
27-Mar-20	Vanguard Investments Australia Ltd.	SELL	9.36	Ordinary	(2,349)	(2,349)
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	9.36	Ordinary	2,175	2,175
31-Mar-20	Vanguard Investments Australia Ltd.	BUY	10.28	Ordinary	10,277	10,277
31-Mar-20	Vanguard Investments Australia Ltd.	BUY	10.28	Ordinary	1,740	1,740
1-Apr-20	Vanguard Investments Australia Ltd.	BUY	10.70	Ordinary	1,144	1,144
2-Apr-20	Vanguard Investments Australia Ltd.	BUY	10.08	Ordinary	1,290	1,290
3-Apr-20	Vanguard Investments Australia Ltd.	BUY	9.58	Ordinary	680	680
7-Apr-20	Vanguard Investments Australia Ltd.	BUY	10.19	Ordinary	3,115	3,115
9-Apr-20	Vanguard Investments Australia Ltd.	SELL	10.66	Ordinary	(5,578)	(5,578)
9-Apr-20	Vanguard Investments Australia Ltd.	BUY	10.66	Ordinary	3,026	3,026
14-Apr-20	Vanguard Investments Australia Ltd.	SELL	11.13	Ordinary	(2,345)	(2,345)
15-Apr-20	Vanguard Investments Australia Ltd.	BUY	11.24	Ordinary	1,800	1,800
21-Apr-20	Vanguard Investments Australia Ltd.	BUY	10.58	Ordinary	1,530	1,530
21-Apr-20	Vanguard Investments Australia Ltd.	BUY	10.58	Ordinary	1,800	1,800
23-Apr-20	Vanguard Investments Australia Ltd.	BUY	9.90	Ordinary	1,365	1,365
28-Apr-20	Vanguard Investments Australia Ltd.	BUY	10.47	Ordinary	1,656	1,656
29-Apr-20	Vanguard Investments Australia Ltd.	BUY	10.61	Ordinary	1,158	1,158
30-Apr-20	Vanguard Investments Australia Ltd.	BUY	11.30	Ordinary	1,544	1,544
1-May-20	Vanguard Investments Australia Ltd.	SELL	9.65	Ordinary	(5,994)	(5,994)

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
1-May-20	Vanguard Investments Australia Ltd.	BUY	9.65	Ordinary	1,860	1,860
1-May-20	Vanguard Investments Australia Ltd.	BUY	9.65	Ordinary	1,395	1,395
4-May-20	Vanguard Investments Australia Ltd.	BUY	9.20	Ordinary	2,632	2,632
8-May-20	Vanguard Investments Australia Ltd.	BUY	10.68	Ordinary	90	90
12-May-20	Vanguard Investments Australia Ltd.	BUY	10.80	Ordinary	1,260	1,260
13-May-20	Vanguard Investments Australia Ltd.	SELL	10.99	Ordinary	(3,019)	(3,019)
13-May-20	Vanguard Investments Australia Ltd.	BUY	10.99	Ordinary	1,350	1,350
19-May-20	Vanguard Investments Australia Ltd.	BUY	10.95	Ordinary	1,780	1,780
20-May-20	Vanguard Investments Australia Ltd.	BUY	11.02	Ordinary	1,149	1,149
20-May-20	Vanguard Investments Australia Ltd.	BUY	11.02	Ordinary	1,424	1,424
22-May-20	Vanguard Investments Australia Ltd.	BUY	10.73	Ordinary	1,068	1,068
25-May-20	Vanguard Investments Australia Ltd.	BUY	10.58	Ordinary	890	890
26-May-20	Vanguard Investments Australia Ltd.	BUY	11.77	Ordinary	10,241	10,241
26-May-20	Vanguard Investments Australia Ltd.	BUY	11.77	Ordinary	1,335	1,335
27-May-20	Vanguard Investments Australia Ltd.	BUY	11.71	Ordinary	9,972	9,972
29-May-20	Vanguard Investments Australia Ltd.	BUY	11.82	Ordinary	1,350	1,350
1-Jun-20	Vanguard Investments Australia Ltd.	BUY	11.88	Ordinary	3,316	3,316
5-Jun-20	Vanguard Investments Australia Ltd.	BUY	12.33	Ordinary	1,395	1,395
5-Jun-20	Vanguard Investments Australia Ltd.	BUY	12.33	Ordinary	1,116	1,116
11-Jun-20	Vanguard Investments Australia Ltd.	BUY	11.86	Ordinary	1,410	1,410
15-Jun-20	Vanguard Investments Australia Ltd.	BUY	11.20	Ordinary	1,900	1,900
16-Jun-20	Vanguard Investments Australia Ltd.	BUY	11.60	Ordinary	950	950
17-Jun-20	Vanguard Investments Australia Ltd.	BUY	11.53	Ordinary	1,410	1,410
19-Jun-20	Vanguard Investments Australia Ltd.	BUY	11.54	Ordinary	190	190
23-Jun-20	Vanguard Investments Australia Ltd.	SELL	11.24	Ordinary	(1,904)	(1,904)
25-Jun-20	Vanguard Investments Australia Ltd.	BUY	11.13	Ordinary	2,576	2,576
30-Jun-20	Vanguard Investments Australia Ltd.	SELL	10.82	Ordinary	(5,404)	(5,404)
16-Jul-20	Vanguard Investments Australia Ltd.	SELL	9.70	Ordinary	(972)	(972)
30-Jul-20	Vanguard Investments Australia Ltd.	BUY	9.14	Ordinary	1,495	1,495
5-Aug-20	Vanguard Investments Australia Ltd.	BUY	7.94	Ordinary	1,725	1,725
7-Aug-20	Vanguard Investments Australia Ltd.	BUY	8.39	Ordinary	2,340	2,340
12-Aug-20	Vanguard Investments Australia Ltd.	BUY	8.29	Ordinary	2,577	2,577
21-Aug-20	Vanguard Investments Australia Ltd.	BUY	11.00	Ordinary	1,464	1,464
25-Aug-20	Vanguard Investments Australia Ltd.	BUY	10.99	Ordinary	1,590	1,590
1-Sep-20	Vanguard Investments Australia Ltd.	BUY	11.01	Ordinary	46,838	46,838
1-Sep-20	Vanguard Investments Australia Ltd.	BUY	11.01	Ordinary	1,728	1,728
7-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.91	Ordinary	1,404	1,404
8-Sep-20	Vanguard Investments Australia Ltd.	BUY	11.06	Ordinary	2,603	2,603
9-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.88	Ordinary	1,944	1,944
10-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.67	Ordinary	1,145	1,145
16-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.96	Ordinary	555	555
18-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.93	Ordinary	560	560
18-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.93	Ordinary	896	896
21-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.93	Ordinary	375	375
21-Sep-20	Vanguard Investments Australia Ltd.	SELL	10.93	Ordinary	(1,423)	(1,423)
24-Sep-20	Vanguard Investments Australia Ltd.	SELL	10.73	Ordinary	(1,460)	(1,460)
24-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.73	Ordinary	1,175	1,175
25-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.30	Ordinary	1,240	1,240
28-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.51	Ordinary	1,095	1,095
29-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.58	Ordinary	375	375
30-Sep-20	Vanguard Investments Australia Ltd.	BUY	10.14	Ordinary	1,250	1,250
5-Oct-20	Vanguard Investments Australia Ltd.	BUY	10.39	Ordinary	1,890	1,890
6-Oct-20	Vanguard Investments Australia Ltd.	BUY	10.41	Ordinary	1,260	1,260
7-Oct-20	Vanguard Investments Australia Ltd.	BUY	10.58	Ordinary	1,095	1,095
12-Oct-20	Vanguard Investments Australia Ltd.	BUY	10.41	Ordinary	140	140
13-Oct-20	Vanguard Investments Australia Ltd.	BUY	10.45	Ordinary	1,270	1,270
19-Oct-20	Vanguard Investments Australia Ltd.	SELL	10.41	Ordinary	(5,597)	(5,597)
20-Oct-20	Vanguard Investments Australia Ltd.	BUY	9.98	Ordinary	7,239	7,239
23-Oct-20	Vanguard Investments Australia Ltd.	BUY	10.17	Ordinary	1,260	1,260
27-Oct-20	Vanguard Investments Australia Ltd.	BUY	9.99	Ordinary	7,605	7,605
27-Oct-20	Vanguard Investments Australia Ltd.	BUY	9.99	Ordinary	1,460	1,460
28-Oct-20	Vanguard Investments Australia Ltd.	BUY	9.91	Ordinary	1,230	1,230
29-Oct-20	Vanguard Investments Australia Ltd.	BUY	9.58	Ordinary	710	710
30-Oct-20	Vanguard Investments Australia Ltd.	BUY	9.14	Ordinary	1,095	1,095
30-Oct-20	Vanguard Investments Australia Ltd.	BUY	9.14	Ordinary	10,439	10,439
3-Nov-20	Vanguard Investments Australia Ltd.	BUY	9.48	Ordinary	1,250	1,250
4-Nov-20	Vanguard Investments Australia Ltd.	BUY	9.38	Ordinary	1,875	1,875
5-Nov-20	Vanguard Investments Australia Ltd.	BUY	9.56	Ordinary	250	250
10-Nov-20	Vanguard Investments Australia Ltd.	BUY	10.62	Ordinary	2,108	2,108
11-Nov-20	Vanguard Investments Australia Ltd.	BUY	10.85	Ordinary	1,095	1,095

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13-Nov-20	Vanguard Investments Australia Ltd.	BUY	10.90	Ordinary	2,091	2,091
13-Nov-20	Vanguard Investments Australia Ltd.	BUY	10.90	Ordinary	6,519	6,519
17-Nov-20	Vanguard Investments Australia Ltd.	BUY	11.57	Ordinary	730	730
17-Nov-20	Vanguard Investments Australia Ltd.	BUY	11.57	Ordinary	1,240	1,240
20-Nov-20	Vanguard Investments Australia Ltd.	BUY	11.75	Ordinary	284	284
20-Nov-20	Vanguard Investments Australia Ltd.	BUY	11.75	Ordinary	142	142
23-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.04	Ordinary	1,488	1,488
25-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.92	Ordinary	3,625	3,625
26-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.78	Ordinary	24,267	24,267
26-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.78	Ordinary	1,095	1,095
30-Nov-20	Vanguard Investments Australia Ltd.	SELL	12.80	Ordinary	(5,750)	(5,750)
1-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.70	Ordinary	1,830	1,830
2-Dec-20	Vanguard Investments Australia Ltd.	BUY	14.22	Ordinary	1,968	1,968
3-Dec-20	Vanguard Investments Australia Ltd.	BUY	14.16	Ordinary	14,067	14,067
3-Dec-20	Vanguard Investments Australia Ltd.	BUY	14.16	Ordinary	71	71
4-Dec-20	Vanguard Investments Australia Ltd.	BUY	14.50	Ordinary	1,180	1,180
8-Dec-20	Vanguard Investments Australia Ltd.	BUY	15.10	Ordinary	698	698
11-Dec-20	Vanguard Investments Australia Ltd.	BUY	14.71	Ordinary	1,508	1,508
11-Dec-20	Vanguard Investments Australia Ltd.	BUY	14.71	Ordinary	213	213
14-Dec-20	Vanguard Investments Australia Ltd.	BUY	14.66	Ordinary	1,044	1,044
15-Dec-20	Vanguard Investments Australia Ltd.	BUY	14.50	Ordinary	1,180	1,180
16-Dec-20	Vanguard Investments Australia Ltd.	BUY	14.25	Ordinary	1,190	1,190
17-Dec-20	Vanguard Investments Australia Ltd.	BUY	14.20	Ordinary	1,547	1,547
18-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.63	Ordinary	696	696
22-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.45	Ordinary	2,260	2,260
29-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.76	Ordinary	694	694
30-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.69	Ordinary	1,041	1,041
31-Dec-20	Vanguard Investments Australia Ltd.	SELL	13.47	Ordinary	(3,314)	(3,314)
4-Jan-21	Vanguard Investments Australia Ltd.	BUY	13.74	Ordinary	1,130	1,130
6-Jan-21	Vanguard Investments Australia Ltd.	BUY	13.58	Ordinary	1,344	1,344
11-Jan-21	Vanguard Investments Australia Ltd.	BUY	13.77	Ordinary	1,032	1,032
14-Jan-21	Vanguard Investments Australia Ltd.	BUY	14.07	Ordinary	1,744	1,744
19-Jan-21	Vanguard Investments Australia Ltd.	BUY	14.20	Ordinary	540	540
20-Jan-21	Vanguard Investments Australia Ltd.	BUY	14.36	Ordinary	1,032	1,032
20-Jan-21	Vanguard Investments Australia Ltd.	BUY	14.36	Ordinary	142	142
28-Jan-21	Vanguard Investments Australia Ltd.	BUY	13.42	Ordinary	1,378	1,378
28-Jan-21	Vanguard Investments Australia Ltd.	BUY	13.42	Ordinary	15,482	15,482
2-Feb-21	Vanguard Investments Australia Ltd.	BUY	13.25	Ordinary	1,470	1,470
3-Feb-21	Vanguard Investments Australia Ltd.	BUY	13.30	Ordinary	3,537	3,537
3-Feb-21	Vanguard Investments Australia Ltd.	BUY	13.30	Ordinary	142	142
5-Feb-21	Vanguard Investments Australia Ltd.	BUY	13.00	Ordinary	312	312
5-Feb-21	Vanguard Investments Australia Ltd.	BUY	13.00	Ordinary	818	818
8-Feb-21	Vanguard Investments Australia Ltd.	BUY	12.86	Ordinary	1,400	1,400
8-Feb-21	Vanguard Investments Australia Ltd.	BUY	12.86	Ordinary	1,050	1,050
10-Feb-21	Vanguard Investments Australia Ltd.	BUY	12.22	Ordinary	1,365	1,365
11-Feb-21	Vanguard Investments Australia Ltd.	BUY	12.22	Ordinary	735	735
16-Feb-21	Vanguard Investments Australia Ltd.	BUY	12.12	Ordinary	1,050	1,050
22-Feb-21	Vanguard Investments Australia Ltd.	BUY	11.85	Ordinary	1,010	1,010
26-Feb-21	Vanguard Investments Australia Ltd.	SELL	11.58	Ordinary	(2,832)	(2,832)
26-Feb-21	Vanguard Investments Australia Ltd.	BUY	11.58	Ordinary	1,050	1,050
26-Feb-21	Vanguard Investments Australia Ltd.	BUY	11.58	Ordinary	970	970
3-Mar-21	Vanguard Investments Australia Ltd.	BUY	11.64	Ordinary	1,880	1,880
5-Mar-21	Vanguard Investments Australia Ltd.	BUY	10.90	Ordinary	940	940
8-Mar-21	Vanguard Investments Australia Ltd.	BUY	10.75	Ordinary	213	213
9-Mar-21	Vanguard Investments Australia Ltd.	BUY	10.68	Ordinary	288	288
10-Mar-21	Vanguard Investments Australia Ltd.	BUY	10.69	Ordinary	1,152	1,152
17-Mar-21	Vanguard Investments Australia Ltd.	BUY	11.25	Ordinary	1,047	1,047
17-Mar-21	Vanguard Investments Australia Ltd.	BUY	11.25	Ordinary	940	940
29-Mar-21	Vanguard Investments Australia Ltd.	BUY	10.30	Ordinary	698	698
30-Mar-21	Vanguard Investments Australia Ltd.	BUY	10.09	Ordinary	1,133	1,133
30-Mar-21	Vanguard Investments Australia Ltd.	BUY	10.09	Ordinary	1,339	1,339
31-Mar-21	Vanguard Investments Australia Ltd.	SELL	10.41	Ordinary	(17,671)	(17,671)
31-Mar-21	Vanguard Investments Australia Ltd.	BUY	10.40	Ordinary	134	134
1-Apr-21	Vanguard Investments Australia Ltd.	IN SPECIE	10.63	Ordinary	(167,163)	(167,163)
6-Apr-21	Vanguard Investments Australia Ltd.	BUY	10.74	Ordinary	1,976	1,976
6-Apr-21	Vanguard Investments Australia Ltd.	BUY	10.74	Ordinary	309	309
7-Apr-21	Vanguard Investments Australia Ltd.	BUY	10.95	Ordinary	1,224	1,224
9-Apr-21	Vanguard Investments Australia Ltd.	BUY	11.16	Ordinary	1,396	1,396
9-Apr-21	Vanguard Investments Australia Ltd.	BUY	11.16	Ordinary	2,244	2,244
9-Apr-21	Vanguard Investments Australia Ltd.	BUY	11.16	Ordinary	1,224	1,224



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-21	Vanguard Investments Australia Ltd.	BUY	11.16	Ordinary	660	660
9-Apr-21	Vanguard Investments Australia Ltd.	BUY	11.16	Ordinary	198	198
14-Apr-21	Vanguard Investments Australia Ltd.	BUY	10.59	Ordinary	66	66
14-Apr-21	Vanguard Investments Australia Ltd.	BUY	10.59	Ordinary	132	132
14-Apr-21	Vanguard Investments Australia Ltd.	BUY	10.59	Ordinary	198	198
16-Apr-21	Vanguard Investments Australia Ltd.	BUY	11.43	Ordinary	1,047	1,047
20-Apr-21	Vanguard Investments Australia Ltd.	BUY	11.50	Ordinary	1,980	1,980
26-Apr-21	Vanguard Investments Australia Ltd.	BUY	12.33	Ordinary	1,047	1,047
28-Apr-21	Vanguard Investments Australia Ltd.	BUY	12.56	Ordinary	1,716	1,716
29-Apr-21	Vanguard Investments Australia Ltd.	BUY	12.77	Ordinary	1,089	1,089
29-Apr-21	Vanguard Investments Australia Ltd.	BUY	12.77	Ordinary	264	264
30-Apr-21	Vanguard Investments Australia Ltd.	BUY	12.75	Ordinary	1,044	1,044
3-May-21	Vanguard Investments Australia Ltd.	BUY	12.40	Ordinary	990	990
3-May-21	Vanguard Investments Australia Ltd.	BUY	12.40	Ordinary	198	198
5-May-21	Vanguard Investments Australia Ltd.	BUY	12.50	Ordinary	1,044	1,044
6-May-21	Vanguard Investments Australia Ltd.	BUY	12.28	Ordinary	696	696
6-May-21	Vanguard Investments Australia Ltd.	BUY	12.28	Ordinary	1,485	1,485
7-May-21	Vanguard Investments Australia Ltd.	BUY	12.43	Ordinary	66	66
10-May-21	Vanguard Investments Australia Ltd.	BUY	12.37	Ordinary	66	66
13-May-21	Vanguard Investments Australia Ltd.	BUY	11.10	Ordinary	134	134
13-May-21	Vanguard Investments Australia Ltd.	BUY	11.10	Ordinary	201	201
14-May-21	Vanguard Investments Australia Ltd.	BUY	11.17	Ordinary	1,047	1,047
14-May-21	Vanguard Investments Australia Ltd.	BUY	11.17	Ordinary	1,414	1,414
17-May-21	Vanguard Investments Australia Ltd.	BUY	10.65	Ordinary	1,212	1,212
18-May-21	Vanguard Investments Australia Ltd.	BUY	9.97	Ordinary	1,005	1,005
19-May-21	Vanguard Investments Australia Ltd.	BUY	9.86	Ordinary	1,326	1,326
20-May-21	Vanguard Investments Australia Ltd.	IN SPECIE	10.05	Ordinary	(333,995)	(333,995)
20-May-21	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	1,392	1,392
20-May-21	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	201	201
21-May-21	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	2,040	2,040
21-May-21	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	67	67
21-May-21	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	469	469
25-May-21	Vanguard Investments Australia Ltd.	BUY	10.14	Ordinary	1,224	1,224
26-May-21	Vanguard Investments Australia Ltd.	BUY	10.04	Ordinary	67	67
27-May-21	Vanguard Investments Australia Ltd.	SELL	10.14	Ordinary	(5,964)	(5,964)
27-May-21	Vanguard Investments Australia Ltd.	BUY	10.13	Ordinary	1,392	1,392
3-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.15	Ordinary	67	67
8-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.18	Ordinary	1,152	1,152
9-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.16	Ordinary	1,128	1,128
15-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.58	Ordinary	1,320	1,320
15-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.58	Ordinary	67	67
16-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.59	Ordinary	8,118	8,118
17-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.48	Ordinary	16,968	16,968
18-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.01	Ordinary	137,291	137,291
22-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.07	Ordinary	960	960
22-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.07	Ordinary	384	384
23-Jun-21	Vanguard Investments Australia Ltd.	IN SPECIE	9.95	Ordinary	(76,881)	(76,881)
23-Jun-21	Vanguard Investments Australia Ltd.	IN SPECIE	9.95	Ordinary	(63,572)	(63,572)
23-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.95	Ordinary	132	132
24-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.13	Ordinary	132	132
24-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.13	Ordinary	304	304
29-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.14	Ordinary	1,332	1,332
29-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.14	Ordinary	1,164	1,164
29-Jun-21	Vanguard Investments Australia Ltd.	BUY	10.14	Ordinary	304	304
30-Jun-21	Vanguard Investments Australia Ltd.	SELL	10.45	Ordinary	(3,229)	(3,229)
1-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.12	Ordinary	1,761	1,761
2-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.35	Ordinary	485	485
2-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.35	Ordinary	198	198
5-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.48	Ordinary	375	375
7-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.67	Ordinary	1,372	1,372
9-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.89	Ordinary	1,292	1,292
9-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.89	Ordinary	1,372	1,372
9-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.89	Ordinary	1,666	1,666
13-Jul-21	Vanguard Investments Australia Ltd.	BUY	11.23	Ordinary	528	528
13-Jul-21	Vanguard Investments Australia Ltd.	BUY	11.23	Ordinary	264	264
19-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.98	Ordinary	510	510
20-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.80	Ordinary	975	975
20-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.80	Ordinary	1,236	1,236
21-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.80	Ordinary	300	300
22-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.72	Ordinary	920	920

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-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.80	Ordinary	1,260	1,260
27-Jul-21	Vanguard Investments Australia Ltd.	IN SPECIE	10.97	Ordinary	(83,819)	(83,819)
27-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.97	Ordinary	1,300	1,300
29-Jul-21	Vanguard Investments Australia Ltd.	BUY	10.88	Ordinary	66	66
3-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.04	Ordinary	1,396	1,396
3-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.04	Ordinary	1,484	1,484
5-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.47	Ordinary	1,312	1,312
5-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.47	Ordinary	198	198
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.59	Ordinary	22,445	22,445
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.59	Ordinary	264	264
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.59	Ordinary	300	300
9-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.48	Ordinary	1,272	1,272
12-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.14	Ordinary	6,731	6,731
16-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.11	Ordinary	2,220	2,220
16-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.11	Ordinary	380	380
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.39	Ordinary	2,240	2,240
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.39	Ordinary	896	896
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.39	Ordinary	198	198
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.39	Ordinary	304	304
19-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.52	Ordinary	1,443	1,443
20-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.33	Ordinary	545	545
20-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.33	Ordinary	228	228
23-Aug-21	Vanguard Investments Australia Ltd.	BUY	11.79	Ordinary	134	134
24-Aug-21	Vanguard Investments Australia Ltd.	BUY	10.09	Ordinary	228	228
25-Aug-21	Vanguard Investments Australia Ltd.	BUY	10.62	Ordinary	1,312	1,312
25-Aug-21	Vanguard Investments Australia Ltd.	BUY	10.62	Ordinary	1,430	1,430
26-Aug-21	Vanguard Investments Australia Ltd.	BUY	10.56	Ordinary	1,080	1,080
30-Aug-21	Vanguard Investments Australia Ltd.	BUY	10.65	Ordinary	1,512	1,512
30-Aug-21	Vanguard Investments Australia Ltd.	BUY	10.65	Ordinary	201	201
30-Aug-21	Vanguard Investments Australia Ltd.	BUY	10.65	Ordinary	380	380
1-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.45	Ordinary	304	304
2-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.61	Ordinary	1,776	1,776
2-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.61	Ordinary	28,202	28,202
2-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.61	Ordinary	201	201
3-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.44	Ordinary	268	268
6-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.35	Ordinary	1,332	1,332
7-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.29	Ordinary	1,308	1,308
7-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.29	Ordinary	308	308
8-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.39	Ordinary	154	154
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.84	Ordinary	1,568	1,568
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.84	Ordinary	1,134	1,134
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.84	Ordinary	308	308
15-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.83	Ordinary	1,368	1,368
16-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.72	Ordinary	385	385
17-Sep-21	Vanguard Investments Australia Ltd.	SELL	9.64	Ordinary	(437)	(437)
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.64	Ordinary	981	981
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.64	Ordinary	268	268
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.18	Ordinary	1,848	1,848
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.18	Ordinary	268	268
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.18	Ordinary	385	385
21-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.09	Ordinary	231	231
22-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.25	Ordinary	134	134
23-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.29	Ordinary	2,346	2,346
24-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.20	Ordinary	1,333	1,333
27-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.17	Ordinary	670	670
28-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.06	Ordinary	1,680	1,680
29-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.05	Ordinary	710	710
29-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.05	Ordinary	693	693
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.03	Ordinary	2,224	2,224
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.03	Ordinary	2,085	2,085
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.03	Ordinary	330	330
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.03	Ordinary	264	264
4-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.15	Ordinary	695	695
5-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.02	Ordinary	1,308	1,308
5-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.02	Ordinary	528	528
8-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.51	Ordinary	2,128	2,128
11-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.46	Ordinary	335	335
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.46	Ordinary	1,308	1,308
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.46	Ordinary	469	469
14-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.81	Ordinary	450	450

## 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
15-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.85	Ordinary	1,703	1,703
18-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.81	Ordinary	268	268
19-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.91	Ordinary	981	981
19-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.91	Ordinary	268	268
21-Oct-21	Vanguard Investments Australia Ltd.	BUY	10.46	Ordinary	1,729	1,729
22-Oct-21	Vanguard Investments Australia Ltd.	BUY	10.48	Ordinary	450	450
26-Oct-21	Vanguard Investments Australia Ltd.	BUY	10.41	Ordinary	268	268
27-Oct-21	Vanguard Investments Australia Ltd.	IN SPECIE	10.47	Ordinary	(42,432)	(42,432)
27-Oct-21	Vanguard Investments Australia Ltd.	BUY	10.47	Ordinary	975	975
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	1,308	1,308
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	1,935	1,935
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	268	268
1-Nov-21	Vanguard Investments Australia Ltd.	SELL	10.03	Ordinary	(979)	(979)
1-Nov-21	Vanguard Investments Australia Ltd.	BUY	10.03	Ordinary	645	645
2-Nov-21	Vanguard Investments Australia Ltd.	SELL	9.88	Ordinary	(5,031)	(5,031)
3-Nov-21	Vanguard Investments Australia Ltd.	BUY	10.07	Ordinary	375	375
4-Nov-21	Vanguard Investments Australia Ltd.	BUY	10.09	Ordinary	1,560	1,560
5-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	10.08	Ordinary	(454,739)	(454,739)
5-Nov-21	Vanguard Investments Australia Ltd.	BUY	10.05	Ordinary	268	268

This is Annexure A of 10 pages referred to in Form 605, Notice of ceasing to be a substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 18 November 2021