



To Company  
ACN/ARSN

AGL Energy Limited  
115 061 375

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
25-Nov-19	The Vanguard Group, Inc.	BUY	19.77	Ordinary	310	310
25-Nov-19	The Vanguard Group, Inc.	BUY	19.93	Ordinary	7,429	7,429
26-Nov-19	The Vanguard Group, Inc.	BUY	19.98	Ordinary	6,543	6,543
26-Nov-19	The Vanguard Group, Inc.	SELL	20.00	Ordinary	(109)	(109)
27-Nov-19	The Vanguard Group, Inc.	BUY	20.41	Ordinary	310	310
27-Nov-19	The Vanguard Group, Inc.	BUY	20.41	Ordinary	1,282	1,282
27-Nov-19	The Vanguard Group, Inc.	BUY	20.41	Ordinary	436	436
29-Nov-19	The Vanguard Group, Inc.	BUY	20.41	Ordinary	310	310
29-Nov-19	The Vanguard Group, Inc.	BUY	20.41	Ordinary	340	340
29-Nov-19	The Vanguard Group, Inc.	BUY	20.41	Ordinary	242	242
2-Dec-19	The Vanguard Group, Inc.	BUY	20.36	Ordinary	9,520	9,520
3-Dec-19	The Vanguard Group, Inc.	BUY	20.31	Ordinary	340	340
3-Dec-19	The Vanguard Group, Inc.	BUY	20.31	Ordinary	680	680
3-Dec-19	The Vanguard Group, Inc.	BUY	20.31	Ordinary	14,033	14,033
3-Dec-19	The Vanguard Group, Inc.	BUY	20.20	Ordinary	1,744	1,744
4-Dec-19	The Vanguard Group, Inc.	BUY	20.06	Ordinary	620	620
4-Dec-19	The Vanguard Group, Inc.	BUY	20.06	Ordinary	6,280	6,280
4-Dec-19	The Vanguard Group, Inc.	BUY	20.06	Ordinary	165	165
4-Dec-19	The Vanguard Group, Inc.	BUY	20.13	Ordinary	3,191	3,191
4-Dec-19	The Vanguard Group, Inc.	BUY	20.08	Ordinary	1,200	1,200
6-Dec-19	The Vanguard Group, Inc.	BUY	20.42	Ordinary	11,644	11,644
9-Dec-19	The Vanguard Group, Inc.	BUY	20.55	Ordinary	1,941	1,941
10-Dec-19	The Vanguard Group, Inc.	BUY	20.45	Ordinary	340	340
11-Dec-19	The Vanguard Group, Inc.	BUY	20.67	Ordinary	211	211
11-Dec-19	The Vanguard Group, Inc.	BUY	20.62	Ordinary	1,800	1,800
12-Dec-19	The Vanguard Group, Inc.	BUY	20.58	Ordinary	2,250	2,250
12-Dec-19	The Vanguard Group, Inc.	BUY	20.58	Ordinary	1,443	1,443
13-Dec-19	The Vanguard Group, Inc.	SELL	20.66	Ordinary	(296)	(296)
13-Dec-19	The Vanguard Group, Inc.	BUY	20.65	Ordinary	872	872
17-Dec-19	The Vanguard Group, Inc.	BUY	20.89	Ordinary	3,000	3,000
17-Dec-19	The Vanguard Group, Inc.	BUY	20.89	Ordinary	1,650	1,650
20-Dec-19	The Vanguard Group, Inc.	SELL	21.13	Ordinary	(1,568)	(1,568)
20-Dec-19	The Vanguard Group, Inc.	SELL	21.15	Ordinary	(8,803)	(8,803)
20-Dec-19	The Vanguard Group, Inc.	SELL	21.13	Ordinary	(36,378)	(36,378)
23-Dec-19	The Vanguard Group, Inc.	SELL	21.16	Ordinary	(3,051)	(3,051)
23-Dec-19	The Vanguard Group, Inc.	BUY	21.00	Ordinary	9,520	9,520
23-Dec-19	The Vanguard Group, Inc.	BUY	21.00	Ordinary	2,040	2,040
23-Dec-19	The Vanguard Group, Inc.	BUY	21.00	Ordinary	1,254	1,254
24-Dec-19	The Vanguard Group, Inc.	BUY	21.05	Ordinary	634	634
24-Dec-19	The Vanguard Group, Inc.	BUY	21.04	Ordinary	4,080	4,080
26-Dec-19	The Vanguard Group, Inc.	BUY	21.03	Ordinary	10,200	10,200
30-Dec-19	The Vanguard Group, Inc.	BUY	21.01	Ordinary	317	317
30-Dec-19	The Vanguard Group, Inc.	BUY	21.01	Ordinary	2,060	2,060
30-Dec-19	The Vanguard Group, Inc.	SELL	21.01	Ordinary	(282)	(282)
30-Dec-19	The Vanguard Group, Inc.	BUY	41.96	Ordinary	3,000	3,000
30-Dec-19	The Vanguard Group, Inc.	BUY	20.98	Ordinary	1,500	1,500
30-Dec-19	The Vanguard Group, Inc.	SELL	20.84	Ordinary	(9,630)	(9,630)
31-Dec-19	The Vanguard Group, Inc.	BUY	20.53	Ordinary	344	344
31-Dec-19	The Vanguard Group, Inc.	BUY	20.53	Ordinary	344	344
31-Dec-19	The Vanguard Group, Inc.	BUY	20.51	Ordinary	19,586	19,586
2-Jan-20	The Vanguard Group, Inc.	BUY	20.58	Ordinary	317	317
3-Jan-20	The Vanguard Group, Inc.	BUY	20.69	Ordinary	13,859	13,859
6-Jan-20	The Vanguard Group, Inc.	BUY	20.57	Ordinary	555	555
6-Jan-20	The Vanguard Group, Inc.	BUY	20.61	Ordinary	418	418
7-Jan-20	The Vanguard Group, Inc.	BUY	20.57	Ordinary	275	275
8-Jan-20	The Vanguard Group, Inc.	BUY	20.36	Ordinary	344	344
8-Jan-20	The Vanguard Group, Inc.	BUY	20.36	Ordinary	10,496	10,496
8-Jan-20	The Vanguard Group, Inc.	BUY	20.42	Ordinary	4,500	4,500
9-Jan-20	The Vanguard Group, Inc.	BUY	20.34	Ordinary	1,465	1,465
9-Jan-20	The Vanguard Group, Inc.	BUY	20.39	Ordinary	1,350	1,350
9-Jan-20	The Vanguard Group, Inc.	BUY	20.39	Ordinary	12,240	12,240
10-Jan-20	The Vanguard Group, Inc.	BUY	20.47	Ordinary	634	634
10-Jan-20	The Vanguard Group, Inc.	BUY	20.47	Ordinary	344	344

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
10-Jan-20	The Vanguard Group, Inc.	BUY	20.39	Ordinary	836	836
13-Jan-20	The Vanguard Group, Inc.	BUY	20.47	Ordinary	1,286	1,286
13-Jan-20	The Vanguard Group, Inc.	BUY	20.47	Ordinary	344	344
14-Jan-20	The Vanguard Group, Inc.	BUY	20.48	Ordinary	836	836
15-Jan-20	The Vanguard Group, Inc.	BUY	20.55	Ordinary	344	344
15-Jan-20	The Vanguard Group, Inc.	BUY	20.59	Ordinary	5,440	5,440
16-Jan-20	The Vanguard Group, Inc.	BUY	20.58	Ordinary	317	317
16-Jan-20	The Vanguard Group, Inc.	SELL	20.64	Ordinary	(19,411)	(19,411)
16-Jan-20	The Vanguard Group, Inc.	BUY	20.63	Ordinary	6,120	6,120
17-Jan-20	The Vanguard Group, Inc.	BUY	20.79	Ordinary	820	820
17-Jan-20	The Vanguard Group, Inc.	BUY	20.85	Ordinary	5,440	5,440
17-Jan-20	The Vanguard Group, Inc.	BUY	20.85	Ordinary	6,120	6,120
20-Jan-20	The Vanguard Group, Inc.	BUY	20.86	Ordinary	5,283	5,283
21-Jan-20	The Vanguard Group, Inc.	BUY	20.48	Ordinary	7,215	7,215
22-Jan-20	The Vanguard Group, Inc.	BUY	20.24	Ordinary	1,282	1,282
22-Jan-20	The Vanguard Group, Inc.	BUY	20.24	Ordinary	1,411	1,411
22-Jan-20	The Vanguard Group, Inc.	BUY	20.20	Ordinary	4,080	4,080
23-Jan-20	The Vanguard Group, Inc.	BUY	20.07	Ordinary	634	634
23-Jan-20	The Vanguard Group, Inc.	BUY	20.07	Ordinary	317	317
23-Jan-20	The Vanguard Group, Inc.	BUY	20.14	Ordinary	1,500	1,500
23-Jan-20	The Vanguard Group, Inc.	BUY	20.14	Ordinary	3,400	3,400
23-Jan-20	The Vanguard Group, Inc.	BUY	20.14	Ordinary	1,227	1,227
28-Jan-20	The Vanguard Group, Inc.	BUY	19.86	Ordinary	344	344
28-Jan-20	The Vanguard Group, Inc.	SELL	19.62	Ordinary	(587)	(587)
29-Jan-20	The Vanguard Group, Inc.	BUY	20.14	Ordinary	634	634
29-Jan-20	The Vanguard Group, Inc.	BUY	20.14	Ordinary	836	836
30-Jan-20	The Vanguard Group, Inc.	BUY	19.85	Ordinary	317	317
30-Jan-20	The Vanguard Group, Inc.	BUY	19.85	Ordinary	317	317
30-Jan-20	The Vanguard Group, Inc.	BUY	19.97	Ordinary	36,748	36,748
30-Jan-20	The Vanguard Group, Inc.	BUY	19.95	Ordinary	409	409
31-Jan-20	The Vanguard Group, Inc.	BUY	19.95	Ordinary	1,615	1,615
31-Jan-20	The Vanguard Group, Inc.	BUY	19.95	Ordinary	12,847	12,847
31-Jan-20	The Vanguard Group, Inc.	BUY	19.95	Ordinary	651	651
31-Jan-20	The Vanguard Group, Inc.	BUY	19.83	Ordinary	4,080	4,080
31-Jan-20	The Vanguard Group, Inc.	BUY	19.83	Ordinary	4,080	4,080
3-Feb-20	The Vanguard Group, Inc.	BUY	19.84	Ordinary	3,840	3,840
3-Feb-20	The Vanguard Group, Inc.	BUY	19.86	Ordinary	5,250	5,250
4-Feb-20	The Vanguard Group, Inc.	BUY	19.77	Ordinary	951	951
4-Feb-20	The Vanguard Group, Inc.	BUY	19.77	Ordinary	1,421	1,421
4-Feb-20	The Vanguard Group, Inc.	BUY	19.77	Ordinary	344	344
4-Feb-20	The Vanguard Group, Inc.	BUY	19.79	Ordinary	2,700	2,700
4-Feb-20	The Vanguard Group, Inc.	BUY	19.79	Ordinary	1,924	1,924
4-Feb-20	The Vanguard Group, Inc.	BUY	19.79	Ordinary	7,696	7,696
4-Feb-20	The Vanguard Group, Inc.	SELL	19.79	Ordinary	(7,488)	(7,488)
5-Feb-20	The Vanguard Group, Inc.	BUY	19.65	Ordinary	3,750	3,750
5-Feb-20	The Vanguard Group, Inc.	BUY	19.65	Ordinary	12,920	12,920
5-Feb-20	The Vanguard Group, Inc.	BUY	19.65	Ordinary	4,760	4,760
6-Feb-20	The Vanguard Group, Inc.	BUY	19.58	Ordinary	56,613	56,613
6-Feb-20	The Vanguard Group, Inc.	BUY	19.68	Ordinary	1,239	1,239
7-Feb-20	The Vanguard Group, Inc.	BUY	19.56	Ordinary	1,200	1,200
10-Feb-20	The Vanguard Group, Inc.	BUY	19.41	Ordinary	634	634
10-Feb-20	The Vanguard Group, Inc.	BUY	19.41	Ordinary	1,272	1,272
10-Feb-20	The Vanguard Group, Inc.	BUY	19.48	Ordinary	6,120	6,120
11-Feb-20	The Vanguard Group, Inc.	BUY	19.38	Ordinary	344	344
11-Feb-20	The Vanguard Group, Inc.	BUY	19.38	Ordinary	344	344
11-Feb-20	The Vanguard Group, Inc.	BUY	19.36	Ordinary	4,080	4,080
12-Feb-20	The Vanguard Group, Inc.	BUY	19.52	Ordinary	10,919	10,919
13-Feb-20	The Vanguard Group, Inc.	BUY	20.22	Ordinary	317	317
13-Feb-20	The Vanguard Group, Inc.	BUY	20.22	Ordinary	317	317
13-Feb-20	The Vanguard Group, Inc.	BUY	20.22	Ordinary	344	344
13-Feb-20	The Vanguard Group, Inc.	BUY	20.27	Ordinary	8,840	8,840
13-Feb-20	The Vanguard Group, Inc.	SELL	20.50	Ordinary	(252)	(252)
13-Feb-20	The Vanguard Group, Inc.	BUY	20.27	Ordinary	834	834
14-Feb-20	The Vanguard Group, Inc.	BUY	20.69	Ordinary	4,080	4,080
14-Feb-20	The Vanguard Group, Inc.	SELL	20.68	Ordinary	(6,370)	(6,370)
18-Feb-20	The Vanguard Group, Inc.	BUY	21.04	Ordinary	1,952	1,952
19-Feb-20	The Vanguard Group, Inc.	SELL	21.00	Ordinary	(129,558)	(129,558)
19-Feb-20	The Vanguard Group, Inc.	BUY	21.08	Ordinary	3,400	3,400
20-Feb-20	The Vanguard Group, Inc.	BUY	21.13	Ordinary	8,904	8,904
20-Feb-20	The Vanguard Group, Inc.	BUY	21.01	Ordinary	28,388	28,388

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21-Feb-20	The Vanguard Group, Inc.	BUY	21.12	Ordinary	961	961
21-Feb-20	The Vanguard Group, Inc.	BUY	21.12	Ordinary	1,423	1,423
21-Feb-20	The Vanguard Group, Inc.	BUY	21.10	Ordinary	28,461	28,461
21-Feb-20	The Vanguard Group, Inc.	BUY	21.04	Ordinary	5,440	5,440
24-Feb-20	The Vanguard Group, Inc.	SELL	20.74	Ordinary	(2,800)	(2,800)
25-Feb-20	The Vanguard Group, Inc.	SELL	20.48	Ordinary	(13,080)	(13,080)
25-Feb-20	The Vanguard Group, Inc.	SELL	20.11	Ordinary	(1,120)	(1,120)
25-Feb-20	The Vanguard Group, Inc.	SELL	20.79	Ordinary	(1,976)	(1,976)
25-Feb-20	The Vanguard Group, Inc.	BUY	20.75	Ordinary	28,560	28,560
25-Feb-20	The Vanguard Group, Inc.	BUY	20.11	Ordinary	4,080	4,080
25-Feb-20	The Vanguard Group, Inc.	BUY	20.11	Ordinary	417	417
26-Feb-20	The Vanguard Group, Inc.	BUY	19.58	Ordinary	1,211	1,211
26-Feb-20	The Vanguard Group, Inc.	BUY	19.72	Ordinary	28,924	28,924
26-Feb-20	The Vanguard Group, Inc.	BUY	19.55	Ordinary	1,251	1,251
26-Feb-20	The Vanguard Group, Inc.	BUY	19.55	Ordinary	834	834
27-Feb-20	The Vanguard Group, Inc.	BUY	19.18	Ordinary	2,850	2,850
28-Feb-20	The Vanguard Group, Inc.	SELL	19.13	Ordinary	(25,533)	(25,533)
28-Feb-20	The Vanguard Group, Inc.	BUY	19.00	Ordinary	31,175	31,175
28-Feb-20	The Vanguard Group, Inc.	BUY	19.14	Ordinary	37,684	37,684
28-Feb-20	The Vanguard Group, Inc.	SELL	19.13	Ordinary	(834)	(834)
28-Feb-20	The Vanguard Group, Inc.	BUY	19.14	Ordinary	5,465	5,465
2-Mar-20	The Vanguard Group, Inc.	SELL	19.30	Ordinary	(5,440)	(5,440)
2-Mar-20	The Vanguard Group, Inc.	SELL	18.80	Ordinary	(624)	(624)
3-Mar-20	The Vanguard Group, Inc.	BUY	18.86	Ordinary	317	317
4-Mar-20	The Vanguard Group, Inc.	BUY	18.73	Ordinary	634	634
4-Mar-20	The Vanguard Group, Inc.	BUY	18.73	Ordinary	317	317
4-Mar-20	The Vanguard Group, Inc.	BUY	18.73	Ordinary	317	317
4-Mar-20	The Vanguard Group, Inc.	BUY	18.73	Ordinary	339	339
4-Mar-20	The Vanguard Group, Inc.	BUY	18.75	Ordinary	8,529	8,529
5-Mar-20	The Vanguard Group, Inc.	SELL	18.96	Ordinary	(78,252)	(78,252)
5-Mar-20	The Vanguard Group, Inc.	BUY	19.03	Ordinary	16,035	16,035
6-Mar-20	The Vanguard Group, Inc.	BUY	18.65	Ordinary	344	344
6-Mar-20	The Vanguard Group, Inc.	SELL	18.65	Ordinary	(56,937)	(56,937)
6-Mar-20	The Vanguard Group, Inc.	SELL	18.70	Ordinary	(4,080)	(4,080)
9-Mar-20	The Vanguard Group, Inc.	SELL	18.06	Ordinary	(14,131)	(14,131)
10-Mar-20	The Vanguard Group, Inc.	BUY	17.97	Ordinary	317	317
10-Mar-20	The Vanguard Group, Inc.	SELL	17.97	Ordinary	(6,067)	(6,067)
10-Mar-20	The Vanguard Group, Inc.	BUY	17.63	Ordinary	54,141	54,141
10-Mar-20	The Vanguard Group, Inc.	SELL	18.20	Ordinary	(3,400)	(3,400)
11-Mar-20	The Vanguard Group, Inc.	BUY	18.10	Ordinary	1,664	1,664
11-Mar-20	The Vanguard Group, Inc.	SELL	18.60	Ordinary	(1,667)	(1,667)
11-Mar-20	The Vanguard Group, Inc.	BUY	18.59	Ordinary	33,279	33,279
11-Mar-20	The Vanguard Group, Inc.	SELL	18.09	Ordinary	(2,040)	(2,040)
12-Mar-20	The Vanguard Group, Inc.	BUY	17.14	Ordinary	317	317
12-Mar-20	The Vanguard Group, Inc.	BUY	17.14	Ordinary	634	634
12-Mar-20	The Vanguard Group, Inc.	BUY	17.14	Ordinary	2,129	2,129
12-Mar-20	The Vanguard Group, Inc.	BUY	17.83	Ordinary	34,364	34,364
12-Mar-20	The Vanguard Group, Inc.	SELL	16.68	Ordinary	(7,480)	(7,480)
13-Mar-20	The Vanguard Group, Inc.	BUY	17.17	Ordinary	19,952	19,952
13-Mar-20	The Vanguard Group, Inc.	BUY	17.17	Ordinary	344	344
13-Mar-20	The Vanguard Group, Inc.	BUY	17.17	Ordinary	227	227
13-Mar-20	The Vanguard Group, Inc.	BUY	17.17	Ordinary	41,940	41,940
13-Mar-20	The Vanguard Group, Inc.	BUY	16.69	Ordinary	33,984	33,984
16-Mar-20	The Vanguard Group, Inc.	BUY	16.11	Ordinary	634	634
16-Mar-20	The Vanguard Group, Inc.	BUY	15.73	Ordinary	317	317
16-Mar-20	The Vanguard Group, Inc.	BUY	15.73	Ordinary	1,273	1,273
16-Mar-20	The Vanguard Group, Inc.	BUY	15.73	Ordinary	366	366
16-Mar-20	The Vanguard Group, Inc.	BUY	15.73	Ordinary	172	172
16-Mar-20	The Vanguard Group, Inc.	SELL	14.98	Ordinary	(1,662)	(1,662)
16-Mar-20	The Vanguard Group, Inc.	SELL	14.98	Ordinary	(1,924)	(1,924)
16-Mar-20	The Vanguard Group, Inc.	BUY	14.98	Ordinary	834	834
16-Mar-20	The Vanguard Group, Inc.	BUY	14.98	Ordinary	417	417
17-Mar-20	The Vanguard Group, Inc.	BUY	16.72	Ordinary	291	291
17-Mar-20	The Vanguard Group, Inc.	BUY	16.72	Ordinary	18,232	18,232
17-Mar-20	The Vanguard Group, Inc.	SELL	16.72	Ordinary	(441)	(441)
17-Mar-20	The Vanguard Group, Inc.	SELL	17.03	Ordinary	(2,216)	(2,216)
17-Mar-20	The Vanguard Group, Inc.	BUY	16.19	Ordinary	55,404	55,404
17-Mar-20	The Vanguard Group, Inc.	BUY	17.03	Ordinary	1,500	1,500
17-Mar-20	The Vanguard Group, Inc.	BUY	17.03	Ordinary	1,350	1,350
17-Mar-20	The Vanguard Group, Inc.	SELL	17.03	Ordinary	(5,440)	(5,440)

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17-Mar-20	The Vanguard Group, Inc.	SELL	17.03	Ordinary	(6,800)	(6,800)
17-Mar-20	The Vanguard Group, Inc.	BUY	17.03	Ordinary	1,251	1,251
17-Mar-20	The Vanguard Group, Inc.	BUY	17.03	Ordinary	834	834
18-Mar-20	The Vanguard Group, Inc.	BUY	16.41	Ordinary	311	311
18-Mar-20	The Vanguard Group, Inc.	BUY	16.41	Ordinary	622	622
18-Mar-20	The Vanguard Group, Inc.	BUY	16.64	Ordinary	42,746	42,746
19-Mar-20	The Vanguard Group, Inc.	BUY	16.29	Ordinary	2,850	2,850
20-Mar-20	The Vanguard Group, Inc.	BUY	16.42	Ordinary	311	311
20-Mar-20	The Vanguard Group, Inc.	SELL	16.59	Ordinary	(3,179)	(3,179)
20-Mar-20	The Vanguard Group, Inc.	SELL	16.15	Ordinary	(2,770)	(2,770)
20-Mar-20	The Vanguard Group, Inc.	SELL	16.59	Ordinary	(85,499)	(85,499)
20-Mar-20	The Vanguard Group, Inc.	SELL	16.59	Ordinary	(81,214)	(81,214)
20-Mar-20	The Vanguard Group, Inc.	BUY	16.15	Ordinary	1,251	1,251
20-Mar-20	The Vanguard Group, Inc.	SELL	16.59	Ordinary	(3,724)	(3,724)
23-Mar-20	The Vanguard Group, Inc.	BUY	15.45	Ordinary	311	311
23-Mar-20	The Vanguard Group, Inc.	BUY	15.45	Ordinary	1,248	1,248
23-Mar-20	The Vanguard Group, Inc.	SELL	15.56	Ordinary	(10,036)	(10,036)
23-Mar-20	The Vanguard Group, Inc.	SELL	15.51	Ordinary	(2,216)	(2,216)
23-Mar-20	The Vanguard Group, Inc.	SELL	15.56	Ordinary	(840)	(840)
24-Mar-20	The Vanguard Group, Inc.	BUY	15.51	Ordinary	311	311
24-Mar-20	The Vanguard Group, Inc.	SELL	15.42	Ordinary	(4,860)	(4,860)
24-Mar-20	The Vanguard Group, Inc.	BUY	15.43	Ordinary	61,598	61,598
25-Mar-20	The Vanguard Group, Inc.	BUY	16.29	Ordinary	45,011	45,011
25-Mar-20	The Vanguard Group, Inc.	SELL	15.84	Ordinary	(1,924)	(1,924)
26-Mar-20	The Vanguard Group, Inc.	SELL	16.60	Ordinary	(1,662)	(1,662)
27-Mar-20	The Vanguard Group, Inc.	BUY	15.93	Ordinary	622	622
27-Mar-20	The Vanguard Group, Inc.	BUY	15.93	Ordinary	622	622
27-Mar-20	The Vanguard Group, Inc.	BUY	15.93	Ordinary	234	234
27-Mar-20	The Vanguard Group, Inc.	BUY	15.93	Ordinary	25,565	25,565
30-Mar-20	The Vanguard Group, Inc.	BUY	16.98	Ordinary	1,229	1,229
30-Mar-20	The Vanguard Group, Inc.	BUY	16.16	Ordinary	7,720	7,720
30-Mar-20	The Vanguard Group, Inc.	SELL	17.13	Ordinary	(2,919)	(2,919)
31-Mar-20	The Vanguard Group, Inc.	BUY	17.19	Ordinary	311	311
31-Mar-20	The Vanguard Group, Inc.	BUY	17.19	Ordinary	867	867
31-Mar-20	The Vanguard Group, Inc.	BUY	17.19	Ordinary	8,092	8,092
31-Mar-20	The Vanguard Group, Inc.	SELL	17.19	Ordinary	(17,140)	(17,140)
1-Apr-20	The Vanguard Group, Inc.	BUY	17.56	Ordinary	1,953	1,953
1-Apr-20	The Vanguard Group, Inc.	BUY	17.56	Ordinary	2,456	2,456
1-Apr-20	The Vanguard Group, Inc.	BUY	17.83	Ordinary	607	607
1-Apr-20	The Vanguard Group, Inc.	BUY	17.83	Ordinary	30,335	30,335
1-Apr-20	The Vanguard Group, Inc.	SELL	17.36	Ordinary	(834)	(834)
1-Apr-20	The Vanguard Group, Inc.	SELL	17.36	Ordinary	(834)	(834)
2-Apr-20	The Vanguard Group, Inc.	BUY	17.79	Ordinary	1,500	1,500
3-Apr-20	The Vanguard Group, Inc.	SELL	17.86	Ordinary	(1,177)	(1,177)
6-Apr-20	The Vanguard Group, Inc.	BUY	17.68	Ordinary	325	325
7-Apr-20	The Vanguard Group, Inc.	BUY	17.52	Ordinary	325	325
7-Apr-20	The Vanguard Group, Inc.	BUY	17.52	Ordinary	3,684	3,684
7-Apr-20	The Vanguard Group, Inc.	SELL	17.52	Ordinary	(339)	(339)
8-Apr-20	The Vanguard Group, Inc.	BUY	17.47	Ordinary	1,950	1,950
9-Apr-20	The Vanguard Group, Inc.	BUY	17.47	Ordinary	848	848
15-Apr-20	The Vanguard Group, Inc.	BUY	17.47	Ordinary	340	340
15-Apr-20	The Vanguard Group, Inc.	SELL	17.40	Ordinary	(3,060)	(3,060)
15-Apr-20	The Vanguard Group, Inc.	SELL	17.40	Ordinary	(6,885)	(6,885)
15-Apr-20	The Vanguard Group, Inc.	SELL	17.40	Ordinary	(6,120)	(6,120)
16-Apr-20	The Vanguard Group, Inc.	BUY	17.22	Ordinary	1,228	1,228
16-Apr-20	The Vanguard Group, Inc.	BUY	17.04	Ordinary	1,755	1,755
17-Apr-20	The Vanguard Group, Inc.	BUY	17.74	Ordinary	1,050	1,050
17-Apr-20	The Vanguard Group, Inc.	BUY	17.74	Ordinary	2,405	2,405
20-Apr-20	The Vanguard Group, Inc.	SELL	17.03	Ordinary	(247)	(247)
20-Apr-20	The Vanguard Group, Inc.	BUY	16.90	Ordinary	2,100	2,100
20-Apr-20	The Vanguard Group, Inc.	BUY	16.90	Ordinary	1,200	1,200
21-Apr-20	The Vanguard Group, Inc.	SELL	17.04	Ordinary	(35,669)	(35,669)
24-Apr-20	The Vanguard Group, Inc.	SELL	17.01	Ordinary	(1,206)	(1,206)
28-Apr-20	The Vanguard Group, Inc.	BUY	17.04	Ordinary	1,500	1,500
30-Apr-20	The Vanguard Group, Inc.	SELL	16.84	Ordinary	(6,885)	(6,885)
1-May-20	The Vanguard Group, Inc.	SELL	16.34	Ordinary	(2,300)	(2,300)
1-May-20	The Vanguard Group, Inc.	SELL	16.34	Ordinary	(9,180)	(9,180)
6-May-20	The Vanguard Group, Inc.	BUY	16.48	Ordinary	2,547	2,547
7-May-20	The Vanguard Group, Inc.	BUY	16.39	Ordinary	311	311
7-May-20	The Vanguard Group, Inc.	BUY	16.46	Ordinary	732	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
7-May-20	The Vanguard Group, Inc.	SELL	16.46	Ordinary	(759)	(759)
8-May-20	The Vanguard Group, Inc.	SELL	16.52	Ordinary	(4,025)	(4,025)
11-May-20	The Vanguard Group, Inc.	SELL	16.67	Ordinary	(7,441)	(7,441)
12-May-20	The Vanguard Group, Inc.	BUY	16.56	Ordinary	311	311
13-May-20	The Vanguard Group, Inc.	BUY	16.53	Ordinary	1,226	1,226
13-May-20	The Vanguard Group, Inc.	SELL	16.53	Ordinary	(16,725)	(16,725)
14-May-20	The Vanguard Group, Inc.	SELL	16.46	Ordinary	(1,871)	(1,871)
14-May-20	The Vanguard Group, Inc.	BUY	16.49	Ordinary	10,850	10,850
15-May-20	The Vanguard Group, Inc.	BUY	16.57	Ordinary	1,225	1,225
15-May-20	The Vanguard Group, Inc.	SELL	16.40	Ordinary	(1,276)	(1,276)
20-May-20	The Vanguard Group, Inc.	SELL	16.51	Ordinary	(1,257)	(1,257)
21-May-20	The Vanguard Group, Inc.	BUY	16.47	Ordinary	1,227	1,227
22-May-20	The Vanguard Group, Inc.	BUY	16.36	Ordinary	3,596	3,596
22-May-20	The Vanguard Group, Inc.	SELL	16.37	Ordinary	(1,521)	(1,521)
27-May-20	The Vanguard Group, Inc.	BUY	17.00	Ordinary	439	439
28-May-20	The Vanguard Group, Inc.	BUY	17.02	Ordinary	6,900	6,900
29-May-20	The Vanguard Group, Inc.	SELL	16.79	Ordinary	(7,367)	(7,367)
29-May-20	The Vanguard Group, Inc.	SELL	16.81	Ordinary	(2,886)	(2,886)
29-May-20	The Vanguard Group, Inc.	SELL	16.79	Ordinary	(4,579)	(4,579)
1-Jun-20	The Vanguard Group, Inc.	BUY	16.93	Ordinary	2,875	2,875
2-Jun-20	The Vanguard Group, Inc.	BUY	17.11	Ordinary	14,447	14,447
2-Jun-20	The Vanguard Group, Inc.	BUY	17.22	Ordinary	8,625	8,625
3-Jun-20	The Vanguard Group, Inc.	BUY	17.40	Ordinary	318	318
4-Jun-20	The Vanguard Group, Inc.	BUY	17.58	Ordinary	2,875	2,875
4-Jun-20	The Vanguard Group, Inc.	SELL	17.54	Ordinary	(33,924)	(33,924)
5-Jun-20	The Vanguard Group, Inc.	SELL	17.53	Ordinary	(33,164)	(33,164)
9-Jun-20	The Vanguard Group, Inc.	BUY	18.05	Ordinary	1,229	1,229
9-Jun-20	The Vanguard Group, Inc.	SELL	17.68	Ordinary	(32,862)	(32,862)
9-Jun-20	The Vanguard Group, Inc.	SELL	17.69	Ordinary	(7,650)	(7,650)
9-Jun-20	The Vanguard Group, Inc.	SELL	18.01	Ordinary	(2,886)	(2,886)
10-Jun-20	The Vanguard Group, Inc.	SELL	18.02	Ordinary	(32,805)	(32,805)
10-Jun-20	The Vanguard Group, Inc.	SELL	18.10	Ordinary	(16,411)	(16,411)
11-Jun-20	The Vanguard Group, Inc.	BUY	17.39	Ordinary	2,875	2,875
11-Jun-20	The Vanguard Group, Inc.	SELL	17.39	Ordinary	(3,060)	(3,060)
11-Jun-20	The Vanguard Group, Inc.	SELL	17.39	Ordinary	(7,650)	(7,650)
11-Jun-20	The Vanguard Group, Inc.	SELL	17.39	Ordinary	(4,590)	(4,590)
11-Jun-20	The Vanguard Group, Inc.	SELL	17.72	Ordinary	(18,445)	(18,445)
15-Jun-20	The Vanguard Group, Inc.	SELL	17.32	Ordinary	(4,590)	(4,590)
17-Jun-20	The Vanguard Group, Inc.	BUY	17.35	Ordinary	9,675	9,675
19-Jun-20	The Vanguard Group, Inc.	SELL	17.28	Ordinary	(2,709)	(2,709)
19-Jun-20	The Vanguard Group, Inc.	SELL	17.28	Ordinary	(13)	(13)
19-Jun-20	The Vanguard Group, Inc.	SELL	17.28	Ordinary	(123,181)	(123,181)
19-Jun-20	The Vanguard Group, Inc.	SELL	17.28	Ordinary	(74,794)	(74,794)
19-Jun-20	The Vanguard Group, Inc.	SELL	17.10	Ordinary	(3,367)	(3,367)
19-Jun-20	The Vanguard Group, Inc.	SELL	17.28	Ordinary	(32,728)	(32,728)
19-Jun-20	The Vanguard Group, Inc.	SELL	17.28	Ordinary	(6,505)	(6,505)
22-Jun-20	The Vanguard Group, Inc.	BUY	17.23	Ordinary	642	642
22-Jun-20	The Vanguard Group, Inc.	SELL	17.12	Ordinary	(1,197)	(1,197)
24-Jun-20	The Vanguard Group, Inc.	BUY	17.19	Ordinary	321	321
24-Jun-20	The Vanguard Group, Inc.	SELL	17.09	Ordinary	(33,673)	(33,673)
24-Jun-20	The Vanguard Group, Inc.	SELL	17.00	Ordinary	(1,650)	(1,650)
24-Jun-20	The Vanguard Group, Inc.	SELL	17.00	Ordinary	(4,584)	(4,584)
24-Jun-20	The Vanguard Group, Inc.	SELL	17.00	Ordinary	(4,810)	(4,810)
24-Jun-20	The Vanguard Group, Inc.	SELL	17.00	Ordinary	(1,443)	(1,443)
25-Jun-20	The Vanguard Group, Inc.	SELL	16.90	Ordinary	(64,599)	(64,599)
29-Jun-20	The Vanguard Group, Inc.	BUY	16.50	Ordinary	636	636
30-Jun-20	The Vanguard Group, Inc.	BUY	17.05	Ordinary	14,745	14,745
30-Jun-20	The Vanguard Group, Inc.	SELL	17.14	Ordinary	(3,820)	(3,820)
1-Jul-20	The Vanguard Group, Inc.	BUY	17.18	Ordinary	319	319
2-Jul-20	The Vanguard Group, Inc.	BUY	17.47	Ordinary	321	321
6-Jul-20	The Vanguard Group, Inc.	BUY	17.46	Ordinary	642	642
6-Jul-20	The Vanguard Group, Inc.	BUY	17.45	Ordinary	1,500	1,500
7-Jul-20	The Vanguard Group, Inc.	BUY	17.16	Ordinary	333	333
7-Jul-20	The Vanguard Group, Inc.	SELL	17.22	Ordinary	(32,828)	(32,828)
8-Jul-20	The Vanguard Group, Inc.	BUY	17.07	Ordinary	321	321
8-Jul-20	The Vanguard Group, Inc.	SELL	17.18	Ordinary	(656)	(656)
9-Jul-20	The Vanguard Group, Inc.	BUY	16.92	Ordinary	808	808
10-Jul-20	The Vanguard Group, Inc.	BUY	16.89	Ordinary	327	327
14-Jul-20	The Vanguard Group, Inc.	SELL	17.30	Ordinary	(8,567)	(8,567)
14-Jul-20	The Vanguard Group, Inc.	SELL	17.30	Ordinary	(30,495)	(30,495)

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15-Jul-20	The Vanguard Group, Inc.	SELL	17.41	Ordinary	(7,200)	(7,200)
15-Jul-20	The Vanguard Group, Inc.	SELL	17.41	Ordinary	(2,400)	(2,400)
15-Jul-20	The Vanguard Group, Inc.	SELL	17.30	Ordinary	(35,562)	(35,562)
16-Jul-20	The Vanguard Group, Inc.	BUY	17.54	Ordinary	16,595	16,595
17-Jul-20	The Vanguard Group, Inc.	SELL	17.34	Ordinary	(32,680)	(32,680)
24-Jul-20	The Vanguard Group, Inc.	SELL	17.15	Ordinary	(32,895)	(32,895)
29-Jul-20	The Vanguard Group, Inc.	BUY	16.82	Ordinary	8,319	8,319
30-Jul-20	The Vanguard Group, Inc.	BUY	16.93	Ordinary	646	646
30-Jul-20	The Vanguard Group, Inc.	BUY	16.93	Ordinary	225	225
31-Jul-20	The Vanguard Group, Inc.	BUY	16.62	Ordinary	333	333
31-Jul-20	The Vanguard Group, Inc.	BUY	16.62	Ordinary	675	675
3-Aug-20	The Vanguard Group, Inc.	BUY	16.68	Ordinary	3,624	3,624
3-Aug-20	The Vanguard Group, Inc.	BUY	16.57	Ordinary	3,667	3,667
4-Aug-20	The Vanguard Group, Inc.	BUY	17.04	Ordinary	334	334
4-Aug-20	The Vanguard Group, Inc.	BUY	16.83	Ordinary	2,097	2,097
5-Aug-20	The Vanguard Group, Inc.	SELL	16.95	Ordinary	(675)	(675)
11-Aug-20	The Vanguard Group, Inc.	BUY	17.03	Ordinary	6,956	6,956
11-Aug-20	The Vanguard Group, Inc.	BUY	16.88	Ordinary	2,020	2,020
12-Aug-20	The Vanguard Group, Inc.	BUY	16.99	Ordinary	349	349
13-Aug-20	The Vanguard Group, Inc.	BUY	15.36	Ordinary	321	321
13-Aug-20	The Vanguard Group, Inc.	BUY	15.36	Ordinary	646	646
13-Aug-20	The Vanguard Group, Inc.	SELL	15.32	Ordinary	(2,400)	(2,400)
13-Aug-20	The Vanguard Group, Inc.	SELL	15.32	Ordinary	(2,405)	(2,405)
17-Aug-20	The Vanguard Group, Inc.	BUY	15.46	Ordinary	3,000	3,000
17-Aug-20	The Vanguard Group, Inc.	BUY	15.46	Ordinary	9,168	9,168
17-Aug-20	The Vanguard Group, Inc.	BUY	15.46	Ordinary	6,876	6,876
18-Aug-20	The Vanguard Group, Inc.	BUY	15.42	Ordinary	7,448	7,448
18-Aug-20	The Vanguard Group, Inc.	BUY	15.39	Ordinary	1,800	1,800
18-Aug-20	The Vanguard Group, Inc.	SELL	15.39	Ordinary	(25,161)	(25,161)
18-Aug-20	The Vanguard Group, Inc.	BUY	15.39	Ordinary	25,161	25,161
20-Aug-20	The Vanguard Group, Inc.	BUY	15.47	Ordinary	1,050	1,050
20-Aug-20	The Vanguard Group, Inc.	BUY	15.46	Ordinary	32,170	32,170
21-Aug-20	The Vanguard Group, Inc.	BUY	15.49	Ordinary	321	321
21-Aug-20	The Vanguard Group, Inc.	SELL	15.49	Ordinary	(1,464)	(1,464)
26-Aug-20	The Vanguard Group, Inc.	SELL	14.95	Ordinary	(5,830)	(5,830)
26-Aug-20	The Vanguard Group, Inc.	BUY	15.10	Ordinary	404	404
27-Aug-20	The Vanguard Group, Inc.	BUY	14.83	Ordinary	3,150	3,150
27-Aug-20	The Vanguard Group, Inc.	BUY	14.83	Ordinary	3,820	3,820
28-Aug-20	The Vanguard Group, Inc.	BUY	14.79	Ordinary	321	321
31-Aug-20	The Vanguard Group, Inc.	SELL	14.80	Ordinary	(30,282)	(30,282)
31-Aug-20	The Vanguard Group, Inc.	SELL	14.80	Ordinary	(902)	(902)
31-Aug-20	The Vanguard Group, Inc.	BUY	14.78	Ordinary	808	808
1-Sep-20	The Vanguard Group, Inc.	SELL	14.91	Ordinary	(251,524)	(251,524)
1-Sep-20	The Vanguard Group, Inc.	BUY	14.91	Ordinary	251,524	251,524
2-Sep-20	The Vanguard Group, Inc.	BUY	15.06	Ordinary	7,631	7,631
2-Sep-20	The Vanguard Group, Inc.	BUY	15.13	Ordinary	1,500	1,500
3-Sep-20	The Vanguard Group, Inc.	BUY	15.25	Ordinary	1,460	1,460
3-Sep-20	The Vanguard Group, Inc.	BUY	15.07	Ordinary	1,500	1,500
4-Sep-20	The Vanguard Group, Inc.	BUY	14.99	Ordinary	1,500	1,500
4-Sep-20	The Vanguard Group, Inc.	BUY	15.06	Ordinary	9,985	9,985
4-Sep-20	The Vanguard Group, Inc.	SELL	15.02	Ordinary	(7,055)	(7,055)
8-Sep-20	The Vanguard Group, Inc.	BUY	15.12	Ordinary	225	225
9-Sep-20	The Vanguard Group, Inc.	BUY	14.90	Ordinary	346	346
10-Sep-20	The Vanguard Group, Inc.	SELL	14.93	Ordinary	(6,839)	(6,839)
11-Sep-20	The Vanguard Group, Inc.	BUY	14.77	Ordinary	2,250	2,250
14-Sep-20	The Vanguard Group, Inc.	SELL	14.72	Ordinary	(7,766)	(7,766)
15-Sep-20	The Vanguard Group, Inc.	SELL	14.76	Ordinary	(227)	(227)
15-Sep-20	The Vanguard Group, Inc.	SELL	14.50	Ordinary	(7,126)	(7,126)
16-Sep-20	The Vanguard Group, Inc.	BUY	14.46	Ordinary	808	808
17-Sep-20	The Vanguard Group, Inc.	BUY	14.42	Ordinary	225	225
17-Sep-20	The Vanguard Group, Inc.	SELL	14.42	Ordinary	(12,331)	(12,331)
18-Sep-20	The Vanguard Group, Inc.	SELL	14.28	Ordinary	(471)	(471)
18-Sep-20	The Vanguard Group, Inc.	SELL	14.27	Ordinary	(1,533)	(1,533)
18-Sep-20	The Vanguard Group, Inc.	SELL	14.28	Ordinary	(29,589)	(29,589)
18-Sep-20	The Vanguard Group, Inc.	BUY	14.21	Ordinary	404	404
18-Sep-20	The Vanguard Group, Inc.	SELL	14.28	Ordinary	(2,361)	(2,361)
22-Sep-20	The Vanguard Group, Inc.	BUY	13.83	Ordinary	808	808
23-Sep-20	The Vanguard Group, Inc.	BUY	14.13	Ordinary	363	363
23-Sep-20	The Vanguard Group, Inc.	SELL	13.91	Ordinary	(661)	(661)
24-Sep-20	The Vanguard Group, Inc.	SELL	14.23	Ordinary	(12,692)	(12,692)

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29-Sep-20	The Vanguard Group, Inc.	SELL	14.07	Ordinary	(256,192)	(256,192)
29-Sep-20	The Vanguard Group, Inc.	BUY	14.07	Ordinary	256,192	256,192
29-Sep-20	The Vanguard Group, Inc.	SELL	14.10	Ordinary	(4,966)	(4,966)
30-Sep-20	The Vanguard Group, Inc.	BUY	13.62	Ordinary	304	304
2-Oct-20	The Vanguard Group, Inc.	BUY	13.50	Ordinary	181	181
2-Oct-20	The Vanguard Group, Inc.	BUY	13.57	Ordinary	4,584	4,584
5-Oct-20	The Vanguard Group, Inc.	BUY	13.85	Ordinary	2,390	2,390
6-Oct-20	The Vanguard Group, Inc.	BUY	13.70	Ordinary	392	392
6-Oct-20	The Vanguard Group, Inc.	BUY	13.64	Ordinary	404	404
7-Oct-20	The Vanguard Group, Inc.	BUY	13.61	Ordinary	2,318	2,318
9-Oct-20	The Vanguard Group, Inc.	BUY	13.51	Ordinary	4,500	4,500
9-Oct-20	The Vanguard Group, Inc.	BUY	13.51	Ordinary	9,932	9,932
9-Oct-20	The Vanguard Group, Inc.	BUY	13.51	Ordinary	3,820	3,820
12-Oct-20	The Vanguard Group, Inc.	BUY	13.35	Ordinary	12,108	12,108
13-Oct-20	The Vanguard Group, Inc.	BUY	13.59	Ordinary	392	392
13-Oct-20	The Vanguard Group, Inc.	SELL	13.59	Ordinary	(8,413)	(8,413)
14-Oct-20	The Vanguard Group, Inc.	SELL	13.48	Ordinary	(519)	(519)
14-Oct-20	The Vanguard Group, Inc.	SELL	13.45	Ordinary	(5,563)	(5,563)
19-Oct-20	The Vanguard Group, Inc.	BUY	13.51	Ordinary	784	784
21-Oct-20	The Vanguard Group, Inc.	BUY	13.29	Ordinary	2,190	2,190
21-Oct-20	The Vanguard Group, Inc.	SELL	13.29	Ordinary	(9,384)	(9,384)
22-Oct-20	The Vanguard Group, Inc.	BUY	13.10	Ordinary	316	316
23-Oct-20	The Vanguard Group, Inc.	BUY	13.15	Ordinary	2,895	2,895
23-Oct-20	The Vanguard Group, Inc.	SELL	13.15	Ordinary	(1,135)	(1,135)
26-Oct-20	The Vanguard Group, Inc.	BUY	13.19	Ordinary	2,112	2,112
27-Oct-20	The Vanguard Group, Inc.	BUY	12.87	Ordinary	2,386	2,386
28-Oct-20	The Vanguard Group, Inc.	BUY	12.78	Ordinary	808	808
29-Oct-20	The Vanguard Group, Inc.	SELL	12.82	Ordinary	(14,160)	(14,160)
29-Oct-20	The Vanguard Group, Inc.	BUY	12.72	Ordinary	404	404
30-Oct-20	The Vanguard Group, Inc.	BUY	12.48	Ordinary	4,704	4,704
2-Nov-20	The Vanguard Group, Inc.	BUY	12.71	Ordinary	4,704	4,704
2-Nov-20	The Vanguard Group, Inc.	BUY	12.71	Ordinary	319	319
3-Nov-20	The Vanguard Group, Inc.	BUY	12.81	Ordinary	2,485	2,485
3-Nov-20	The Vanguard Group, Inc.	BUY	12.96	Ordinary	1,212	1,212
5-Nov-20	The Vanguard Group, Inc.	BUY	12.93	Ordinary	9,611	9,611
6-Nov-20	The Vanguard Group, Inc.	BUY	12.85	Ordinary	392	392
10-Nov-20	The Vanguard Group, Inc.	SELL	13.23	Ordinary	(2,744)	(2,744)
10-Nov-20	The Vanguard Group, Inc.	SELL	13.17	Ordinary	(27,797)	(27,797)
10-Nov-20	The Vanguard Group, Inc.	SELL	13.17	Ordinary	(60,358)	(60,358)
12-Nov-20	The Vanguard Group, Inc.	BUY	13.10	Ordinary	317	317
13-Nov-20	The Vanguard Group, Inc.	BUY	12.87	Ordinary	9,141	9,141
16-Nov-20	The Vanguard Group, Inc.	BUY	13.12	Ordinary	808	808
17-Nov-20	The Vanguard Group, Inc.	BUY	12.89	Ordinary	2,352	2,352
17-Nov-20	The Vanguard Group, Inc.	BUY	13.08	Ordinary	9,304	9,304
18-Nov-20	The Vanguard Group, Inc.	BUY	12.78	Ordinary	808	808
19-Nov-20	The Vanguard Group, Inc.	BUY	12.97	Ordinary	198	198
24-Nov-20	The Vanguard Group, Inc.	BUY	13.46	Ordinary	318	318
25-Nov-20	The Vanguard Group, Inc.	BUY	13.93	Ordinary	392	392
25-Nov-20	The Vanguard Group, Inc.	BUY	13.93	Ordinary	1,960	1,960
26-Nov-20	The Vanguard Group, Inc.	BUY	14.15	Ordinary	2,392	2,392
27-Nov-20	The Vanguard Group, Inc.	SELL	13.72	Ordinary	(53,193)	(53,193)
30-Nov-20	The Vanguard Group, Inc.	BUY	13.50	Ordinary	319	319
30-Nov-20	The Vanguard Group, Inc.	SELL	13.56	Ordinary	(10,893)	(10,893)
1-Dec-20	The Vanguard Group, Inc.	BUY	13.54	Ordinary	784	784
1-Dec-20	The Vanguard Group, Inc.	BUY	13.54	Ordinary	392	392
2-Dec-20	The Vanguard Group, Inc.	BUY	13.62	Ordinary	5,036	5,036
3-Dec-20	The Vanguard Group, Inc.	BUY	13.45	Ordinary	4,810	4,810
4-Dec-20	The Vanguard Group, Inc.	BUY	13.52	Ordinary	321	321
7-Dec-20	The Vanguard Group, Inc.	BUY	13.37	Ordinary	1,196	1,196
7-Dec-20	The Vanguard Group, Inc.	BUY	13.38	Ordinary	834	834
7-Dec-20	The Vanguard Group, Inc.	BUY	13.38	Ordinary	1,251	1,251
8-Dec-20	The Vanguard Group, Inc.	BUY	13.31	Ordinary	5,400	5,400
9-Dec-20	The Vanguard Group, Inc.	BUY	13.32	Ordinary	1,800	1,800
10-Dec-20	The Vanguard Group, Inc.	SELL	13.30	Ordinary	(317)	(317)
11-Dec-20	The Vanguard Group, Inc.	SELL	13.34	Ordinary	(14,926)	(14,926)
11-Dec-20	The Vanguard Group, Inc.	BUY	13.34	Ordinary	1,251	1,251
15-Dec-20	The Vanguard Group, Inc.	BUY	12.93	Ordinary	4,200	4,200
16-Dec-20	The Vanguard Group, Inc.	BUY	12.87	Ordinary	1,197	1,197
16-Dec-20	The Vanguard Group, Inc.	BUY	12.87	Ordinary	317	317
18-Dec-20	The Vanguard Group, Inc.	BUY	13.22	Ordinary	1,188	1,188



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-20	The Vanguard Group, Inc.	BUY	13.23	Ordinary	29,371	29,371
18-Dec-20	The Vanguard Group, Inc.	SELL	13.22	Ordinary	(23,187)	(23,187)
18-Dec-20	The Vanguard Group, Inc.	SELL	13.22	Ordinary	(7,573)	(7,573)
18-Dec-20	The Vanguard Group, Inc.	BUY	13.18	Ordinary	2,152	2,152
18-Dec-20	The Vanguard Group, Inc.	BUY	13.18	Ordinary	538	538
18-Dec-20	The Vanguard Group, Inc.	SELL	13.22	Ordinary	(7,678)	(7,678)
21-Dec-20	The Vanguard Group, Inc.	BUY	12.54	Ordinary	1,188	1,188
21-Dec-20	The Vanguard Group, Inc.	SELL	12.54	Ordinary	(7,029)	(7,029)
22-Dec-20	The Vanguard Group, Inc.	BUY	11.98	Ordinary	3,000	3,000
22-Dec-20	The Vanguard Group, Inc.	BUY	11.98	Ordinary	2,152	2,152
23-Dec-20	The Vanguard Group, Inc.	BUY	12.04	Ordinary	9,640	9,640
24-Dec-20	The Vanguard Group, Inc.	BUY	12.06	Ordinary	1,191	1,191
24-Dec-20	The Vanguard Group, Inc.	BUY	12.12	Ordinary	11,110	11,110
29-Dec-20	The Vanguard Group, Inc.	BUY	12.02	Ordinary	812	812
30-Dec-20	The Vanguard Group, Inc.	SELL	12.07	Ordinary	(10,026)	(10,026)
30-Dec-20	The Vanguard Group, Inc.	SELL	12.07	Ordinary	(45,495)	(45,495)
30-Dec-20	The Vanguard Group, Inc.	BUY	12.06	Ordinary	406	406
31-Dec-20	The Vanguard Group, Inc.	BUY	11.95	Ordinary	836	836
31-Dec-20	The Vanguard Group, Inc.	SELL	11.97	Ordinary	(8,876)	(8,876)
31-Dec-20	The Vanguard Group, Inc.	BUY	11.97	Ordinary	8,876	8,876
5-Jan-21	The Vanguard Group, Inc.	BUY	12.00	Ordinary	1,191	1,191
5-Jan-21	The Vanguard Group, Inc.	SELL	12.00	Ordinary	(398)	(398)
5-Jan-21	The Vanguard Group, Inc.	BUY	12.02	Ordinary	3,228	3,228
6-Jan-21	The Vanguard Group, Inc.	BUY	12.10	Ordinary	2,400	2,400
6-Jan-21	The Vanguard Group, Inc.	SELL	12.05	Ordinary	(43,000)	(43,000)
6-Jan-21	The Vanguard Group, Inc.	SELL	12.05	Ordinary	(152)	(152)
7-Jan-21	The Vanguard Group, Inc.	BUY	12.10	Ordinary	321	321
7-Jan-21	The Vanguard Group, Inc.	BUY	12.09	Ordinary	10,800	10,800
7-Jan-21	The Vanguard Group, Inc.	BUY	12.09	Ordinary	13,450	13,450
8-Jan-21	The Vanguard Group, Inc.	BUY	12.07	Ordinary	2,485	2,485
8-Jan-21	The Vanguard Group, Inc.	BUY	12.08	Ordinary	9,444	9,444
8-Jan-21	The Vanguard Group, Inc.	BUY	12.08	Ordinary	8,070	8,070
11-Jan-21	The Vanguard Group, Inc.	BUY	12.23	Ordinary	1,191	1,191
12-Jan-21	The Vanguard Group, Inc.	BUY	11.95	Ordinary	213	213
12-Jan-21	The Vanguard Group, Inc.	BUY	11.98	Ordinary	1,800	1,800
12-Jan-21	The Vanguard Group, Inc.	BUY	11.98	Ordinary	4,800	4,800
13-Jan-21	The Vanguard Group, Inc.	BUY	12.07	Ordinary	2,426	2,426
13-Jan-21	The Vanguard Group, Inc.	BUY	12.09	Ordinary	5,509	5,509
13-Jan-21	The Vanguard Group, Inc.	BUY	12.09	Ordinary	1,218	1,218
13-Jan-21	The Vanguard Group, Inc.	BUY	12.09	Ordinary	1,218	1,218
14-Jan-21	The Vanguard Group, Inc.	BUY	12.19	Ordinary	322	322
14-Jan-21	The Vanguard Group, Inc.	BUY	12.20	Ordinary	1,614	1,614
14-Jan-21	The Vanguard Group, Inc.	BUY	12.20	Ordinary	812	812
15-Jan-21	The Vanguard Group, Inc.	BUY	12.00	Ordinary	2,030	2,030
18-Jan-21	The Vanguard Group, Inc.	BUY	11.86	Ordinary	1,192	1,192
18-Jan-21	The Vanguard Group, Inc.	BUY	12.00	Ordinary	18,201	18,201
19-Jan-21	The Vanguard Group, Inc.	BUY	11.80	Ordinary	19,155	19,155
21-Jan-21	The Vanguard Group, Inc.	BUY	11.85	Ordinary	5,400	5,400
21-Jan-21	The Vanguard Group, Inc.	BUY	11.85	Ordinary	3,148	3,148
22-Jan-21	The Vanguard Group, Inc.	BUY	11.78	Ordinary	2,382	2,382
22-Jan-21	The Vanguard Group, Inc.	BUY	11.78	Ordinary	10,701	10,701
22-Jan-21	The Vanguard Group, Inc.	SELL	11.85	Ordinary	(96)	(96)
25-Jan-21	The Vanguard Group, Inc.	BUY	11.70	Ordinary	7,083	7,083
27-Jan-21	The Vanguard Group, Inc.	BUY	11.55	Ordinary	1,191	1,191
27-Jan-21	The Vanguard Group, Inc.	SELL	11.53	Ordinary	(141,517)	(141,517)
28-Jan-21	The Vanguard Group, Inc.	BUY	11.66	Ordinary	4,722	4,722
28-Jan-21	The Vanguard Group, Inc.	SELL	11.55	Ordinary	(191)	(191)
28-Jan-21	The Vanguard Group, Inc.	BUY	11.66	Ordinary	1,218	1,218
28-Jan-21	The Vanguard Group, Inc.	BUY	11.66	Ordinary	812	812
29-Jan-21	The Vanguard Group, Inc.	BUY	11.47	Ordinary	1,253	1,253
29-Jan-21	The Vanguard Group, Inc.	BUY	11.44	Ordinary	1,800	1,800
29-Jan-21	The Vanguard Group, Inc.	BUY	11.44	Ordinary	4,722	4,722
29-Jan-21	The Vanguard Group, Inc.	BUY	11.44	Ordinary	2,690	2,690
1-Feb-21	The Vanguard Group, Inc.	BUY	11.45	Ordinary	114	114
3-Feb-21	The Vanguard Group, Inc.	BUY	11.64	Ordinary	200	200
3-Feb-21	The Vanguard Group, Inc.	SELL	11.64	Ordinary	(258)	(258)
3-Feb-21	The Vanguard Group, Inc.	BUY	11.64	Ordinary	8,607	8,607
4-Feb-21	The Vanguard Group, Inc.	BUY	11.47	Ordinary	4,722	4,722
8-Feb-21	The Vanguard Group, Inc.	BUY	11.15	Ordinary	812	812
10-Feb-21	The Vanguard Group, Inc.	BUY	11.15	Ordinary	2,400	2,400

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10-Feb-21	The Vanguard Group, Inc.	BUY	11.15	Ordinary	8,400	8,400
10-Feb-21	The Vanguard Group, Inc.	BUY	11.15	Ordinary	2,361	2,361
10-Feb-21	The Vanguard Group, Inc.	BUY	11.15	Ordinary	1,076	1,076
11-Feb-21	The Vanguard Group, Inc.	BUY	11.30	Ordinary	12,779	12,779
11-Feb-21	The Vanguard Group, Inc.	BUY	11.28	Ordinary	2,400	2,400
11-Feb-21	The Vanguard Group, Inc.	BUY	11.28	Ordinary	6,296	6,296
11-Feb-21	The Vanguard Group, Inc.	BUY	11.28	Ordinary	4,304	4,304
11-Feb-21	The Vanguard Group, Inc.	BUY	11.28	Ordinary	1,624	1,624
12-Feb-21	The Vanguard Group, Inc.	BUY	11.08	Ordinary	1,800	1,800
12-Feb-21	The Vanguard Group, Inc.	BUY	11.08	Ordinary	7,083	7,083
12-Feb-21	The Vanguard Group, Inc.	BUY	11.08	Ordinary	2,690	2,690
16-Feb-21	The Vanguard Group, Inc.	BUY	10.60	Ordinary	2,960	2,960
17-Feb-21	The Vanguard Group, Inc.	BUY	10.36	Ordinary	3,381	3,381
19-Feb-21	The Vanguard Group, Inc.	SELL	10.10	Ordinary	(5,039)	(5,039)
19-Feb-21	The Vanguard Group, Inc.	BUY	10.11	Ordinary	2,690	2,690
22-Feb-21	The Vanguard Group, Inc.	SELL	10.01	Ordinary	(2,384)	(2,384)
22-Feb-21	The Vanguard Group, Inc.	SELL	10.00	Ordinary	(13,658)	(13,658)
23-Feb-21	The Vanguard Group, Inc.	SELL	10.07	Ordinary	(4,731)	(4,731)
23-Feb-21	The Vanguard Group, Inc.	BUY	10.05	Ordinary	812	812
23-Feb-21	The Vanguard Group, Inc.	BUY	10.05	Ordinary	1,218	1,218
24-Feb-21	The Vanguard Group, Inc.	BUY	9.62	Ordinary	340	340
24-Feb-21	The Vanguard Group, Inc.	BUY	9.64	Ordinary	812	812
25-Feb-21	The Vanguard Group, Inc.	BUY	9.68	Ordinary	317	317
25-Feb-21	The Vanguard Group, Inc.	BUY	9.60	Ordinary	4,872	4,872
26-Feb-21	The Vanguard Group, Inc.	SELL	9.37	Ordinary	(13,601)	(13,601)
1-Mar-21	The Vanguard Group, Inc.	BUY	9.44	Ordinary	333	333
1-Mar-21	The Vanguard Group, Inc.	BUY	9.46	Ordinary	812	812
2-Mar-21	The Vanguard Group, Inc.	BUY	9.45	Ordinary	655	655
3-Mar-21	The Vanguard Group, Inc.	BUY	9.48	Ordinary	3,328	3,328
4-Mar-21	The Vanguard Group, Inc.	BUY	9.43	Ordinary	812	812
8-Mar-21	The Vanguard Group, Inc.	SELL	9.57	Ordinary	(25,131)	(25,131)
8-Mar-21	The Vanguard Group, Inc.	BUY	9.63	Ordinary	812	812
9-Mar-21	The Vanguard Group, Inc.	BUY	9.77	Ordinary	676	676
9-Mar-21	The Vanguard Group, Inc.	BUY	9.79	Ordinary	6,000	6,000
9-Mar-21	The Vanguard Group, Inc.	BUY	9.79	Ordinary	2,252	2,252
10-Mar-21	The Vanguard Group, Inc.	BUY	9.83	Ordinary	5,870	5,870
10-Mar-21	The Vanguard Group, Inc.	SELL	9.72	Ordinary	(232,930)	(232,930)
11-Mar-21	The Vanguard Group, Inc.	BUY	9.69	Ordinary	3,941	3,941
16-Mar-21	The Vanguard Group, Inc.	BUY	9.76	Ordinary	996	996
16-Mar-21	The Vanguard Group, Inc.	BUY	9.74	Ordinary	812	812
17-Mar-21	The Vanguard Group, Inc.	SELL	9.69	Ordinary	(1,202)	(1,202)
18-Mar-21	The Vanguard Group, Inc.	SELL	9.44	Ordinary	(3,217)	(3,217)
19-Mar-21	The Vanguard Group, Inc.	BUY	9.65	Ordinary	668	668
19-Mar-21	The Vanguard Group, Inc.	SELL	9.64	Ordinary	(16,038)	(16,038)
22-Mar-21	The Vanguard Group, Inc.	BUY	9.93	Ordinary	1,126	1,126
23-Mar-21	The Vanguard Group, Inc.	BUY	10.47	Ordinary	332	332
29-Mar-21	The Vanguard Group, Inc.	SELL	10.21	Ordinary	(146,330)	(146,330)
30-Mar-21	The Vanguard Group, Inc.	BUY	9.81	Ordinary	3,091	3,091
30-Mar-21	The Vanguard Group, Inc.	BUY	9.81	Ordinary	309	309
31-Mar-21	The Vanguard Group, Inc.	SELL	9.65	Ordinary	(18,708)	(18,708)
31-Mar-21	The Vanguard Group, Inc.	BUY	9.65	Ordinary	258	258
31-Mar-21	The Vanguard Group, Inc.	BUY	9.68	Ordinary	8,310	8,310
5-Apr-21	The Vanguard Group, Inc.	BUY	9.79	Ordinary	1,056	1,056
6-Apr-21	The Vanguard Group, Inc.	BUY	9.67	Ordinary	3,548	3,548
6-Apr-21	The Vanguard Group, Inc.	BUY	9.70	Ordinary	5,943	5,943
6-Apr-21	The Vanguard Group, Inc.	BUY	9.70	Ordinary	5,630	5,630
7-Apr-21	The Vanguard Group, Inc.	BUY	9.65	Ordinary	314	314
9-Apr-21	The Vanguard Group, Inc.	BUY	9.64	Ordinary	3,537	3,537
9-Apr-21	The Vanguard Group, Inc.	BUY	9.63	Ordinary	1,800	1,800
9-Apr-21	The Vanguard Group, Inc.	BUY	9.63	Ordinary	6,928	6,928
9-Apr-21	The Vanguard Group, Inc.	BUY	9.63	Ordinary	114,211	114,211
13-Apr-21	The Vanguard Group, Inc.	BUY	9.41	Ordinary	3,516	3,516
13-Apr-21	The Vanguard Group, Inc.	BUY	9.41	Ordinary	317	317
13-Apr-21	The Vanguard Group, Inc.	BUY	9.46	Ordinary	5,196	5,196
14-Apr-21	The Vanguard Group, Inc.	BUY	9.39	Ordinary	5,196	5,196
14-Apr-21	The Vanguard Group, Inc.	BUY	9.39	Ordinary	3,941	3,941
14-Apr-21	The Vanguard Group, Inc.	BUY	9.39	Ordinary	704	704
15-Apr-21	The Vanguard Group, Inc.	BUY	9.40	Ordinary	2,488	2,488
15-Apr-21	The Vanguard Group, Inc.	BUY	9.40	Ordinary	1,056	1,056
16-Apr-21	The Vanguard Group, Inc.	BUY	9.19	Ordinary	23,077	23,077

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19-Apr-21	The Vanguard Group, Inc.	SELL	9.25	Ordinary	(706)	(706)
19-Apr-21	The Vanguard Group, Inc.	BUY	9.24	Ordinary	8,660	8,660
20-Apr-21	The Vanguard Group, Inc.	BUY	9.15	Ordinary	1,272	1,272
20-Apr-21	The Vanguard Group, Inc.	BUY	9.13	Ordinary	704	704
20-Apr-21	The Vanguard Group, Inc.	SELL	9.17	Ordinary	(64,900)	(64,900)
21-Apr-21	The Vanguard Group, Inc.	SELL	9.11	Ordinary	(287)	(287)
22-Apr-21	The Vanguard Group, Inc.	BUY	8.85	Ordinary	10,336	10,336
23-Apr-21	The Vanguard Group, Inc.	BUY	8.71	Ordinary	11,387	11,387
26-Apr-21	The Vanguard Group, Inc.	BUY	8.73	Ordinary	298	298
26-Apr-21	The Vanguard Group, Inc.	BUY	8.73	Ordinary	2,488	2,488
26-Apr-21	The Vanguard Group, Inc.	SELL	8.71	Ordinary	(7,813)	(7,813)
27-Apr-21	The Vanguard Group, Inc.	SELL	8.70	Ordinary	(796)	(796)
27-Apr-21	The Vanguard Group, Inc.	BUY	8.70	Ordinary	1,800	1,800
27-Apr-21	The Vanguard Group, Inc.	BUY	8.67	Ordinary	38,286	38,286
28-Apr-21	The Vanguard Group, Inc.	BUY	8.61	Ordinary	1,500	1,500
28-Apr-21	The Vanguard Group, Inc.	BUY	8.61	Ordinary	2,252	2,252
29-Apr-21	The Vanguard Group, Inc.	SELL	8.62	Ordinary	(567)	(567)
29-Apr-21	The Vanguard Group, Inc.	BUY	8.85	Ordinary	2,250	2,250
4-May-21	The Vanguard Group, Inc.	BUY	9.06	Ordinary	1,800	1,800
4-May-21	The Vanguard Group, Inc.	BUY	9.06	Ordinary	2,550	2,550
6-May-21	The Vanguard Group, Inc.	SELL	9.10	Ordinary	(122)	(122)
7-May-21	The Vanguard Group, Inc.	SELL	8.81	Ordinary	(687)	(687)
7-May-21	The Vanguard Group, Inc.	BUY	8.82	Ordinary	2,488	2,488
7-May-21	The Vanguard Group, Inc.	BUY	8.82	Ordinary	5,250	5,250
7-May-21	The Vanguard Group, Inc.	BUY	8.82	Ordinary	1,689	1,689
7-May-21	The Vanguard Group, Inc.	BUY	8.82	Ordinary	7,319	7,319
10-May-21	The Vanguard Group, Inc.	BUY	8.84	Ordinary	6,146	6,146
11-May-21	The Vanguard Group, Inc.	BUY	8.77	Ordinary	706	706
13-May-21	The Vanguard Group, Inc.	SELL	8.53	Ordinary	(6,842)	(6,842)
14-May-21	The Vanguard Group, Inc.	BUY	8.51	Ordinary	12,023	12,023
14-May-21	The Vanguard Group, Inc.	BUY	8.51	Ordinary	5,049	5,049
17-May-21	The Vanguard Group, Inc.	BUY	8.38	Ordinary	2,252	2,252
18-May-21	The Vanguard Group, Inc.	BUY	8.34	Ordinary	1,689	1,689
18-May-21	The Vanguard Group, Inc.	BUY	8.34	Ordinary	1,059	1,059
19-May-21	The Vanguard Group, Inc.	BUY	8.04	Ordinary	14,048	14,048
19-May-21	The Vanguard Group, Inc.	BUY	8.04	Ordinary	5,268	5,268
20-May-21	The Vanguard Group, Inc.	BUY	8.23	Ordinary	314	314
20-May-21	The Vanguard Group, Inc.	BUY	8.25	Ordinary	2,114	2,114
20-May-21	The Vanguard Group, Inc.	BUY	8.25	Ordinary	710	710
25-May-21	The Vanguard Group, Inc.	BUY	8.18	Ordinary	179	179
26-May-21	The Vanguard Group, Inc.	BUY	8.25	Ordinary	2,252	2,252
26-May-21	The Vanguard Group, Inc.	BUY	8.23	Ordinary	45,730	45,730
1-Jun-21	The Vanguard Group, Inc.	BUY	8.03	Ordinary	1,188	1,188
1-Jun-21	The Vanguard Group, Inc.	BUY	8.03	Ordinary	315	315
1-Jun-21	The Vanguard Group, Inc.	BUY	8.03	Ordinary	722	722
3-Jun-21	The Vanguard Group, Inc.	BUY	8.66	Ordinary	4,449	4,449
3-Jun-21	The Vanguard Group, Inc.	BUY	8.69	Ordinary	6,160	6,160
8-Jun-21	The Vanguard Group, Inc.	BUY	9.15	Ordinary	3,202	3,202
8-Jun-21	The Vanguard Group, Inc.	BUY	9.15	Ordinary	310	310
9-Jun-21	The Vanguard Group, Inc.	BUY	9.18	Ordinary	726	726
15-Jun-21	The Vanguard Group, Inc.	BUY	9.36	Ordinary	301	301
16-Jun-21	The Vanguard Group, Inc.	BUY	9.38	Ordinary	3,524	3,524
16-Jun-21	The Vanguard Group, Inc.	BUY	9.38	Ordinary	726	726
17-Jun-21	The Vanguard Group, Inc.	BUY	9.34	Ordinary	8,810	8,810
18-Jun-21	The Vanguard Group, Inc.	SELL	9.34	Ordinary	(4,471)	(4,471)
18-Jun-21	The Vanguard Group, Inc.	SELL	9.34	Ordinary	(2,485)	(2,485)
18-Jun-21	The Vanguard Group, Inc.	SELL	9.34	Ordinary	(64,364)	(64,364)
18-Jun-21	The Vanguard Group, Inc.	SELL	9.34	Ordinary	(83,291)	(83,291)
18-Jun-21	The Vanguard Group, Inc.	SELL	9.34	Ordinary	(29,236)	(29,236)
22-Jun-21	The Vanguard Group, Inc.	BUY	9.21	Ordinary	2,445	2,445
22-Jun-21	The Vanguard Group, Inc.	BUY	9.21	Ordinary	339	339
22-Jun-21	The Vanguard Group, Inc.	BUY	9.19	Ordinary	5,286	5,286
22-Jun-21	The Vanguard Group, Inc.	BUY	9.30	Ordinary	49,999	49,999
24-Jun-21	The Vanguard Group, Inc.	BUY	9.03	Ordinary	7,048	7,048
30-Jun-21	The Vanguard Group, Inc.	BUY	8.19	Ordinary	1,963	1,963
30-Jun-21	The Vanguard Group, Inc.	BUY	8.19	Ordinary	4,500	4,500
1-Jul-21	The Vanguard Group, Inc.	BUY	8.13	Ordinary	8,100	8,100
2-Jul-21	The Vanguard Group, Inc.	BUY	8.13	Ordinary	318	318
2-Jul-21	The Vanguard Group, Inc.	BUY	8.13	Ordinary	14,153	14,153
2-Jul-21	The Vanguard Group, Inc.	BUY	8.14	Ordinary	1,510	1,510

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5-Jul-21	The Vanguard Group, Inc.	BUY	8.08	Ordinary	1,167	1,167
5-Jul-21	The Vanguard Group, Inc.	BUY	8.08	Ordinary	18,445	18,445
6-Jul-21	The Vanguard Group, Inc.	SELL	8.11	Ordinary	(36,762)	(36,762)
6-Jul-21	The Vanguard Group, Inc.	BUY	8.12	Ordinary	5,400	5,400
7-Jul-21	The Vanguard Group, Inc.	BUY	8.15	Ordinary	442	442
8-Jul-21	The Vanguard Group, Inc.	BUY	8.12	Ordinary	1,510	1,510
9-Jul-21	The Vanguard Group, Inc.	BUY	8.18	Ordinary	3,775	3,775
9-Jul-21	The Vanguard Group, Inc.	BUY	8.18	Ordinary	5,285	5,285
9-Jul-21	The Vanguard Group, Inc.	BUY	8.18	Ordinary	2,416	2,416
9-Jul-21	The Vanguard Group, Inc.	BUY	8.18	Ordinary	6,744	6,744
9-Jul-21	The Vanguard Group, Inc.	BUY	8.18	Ordinary	5,148	5,148
9-Jul-21	The Vanguard Group, Inc.	BUY	8.08	Ordinary	9,985	9,985
12-Jul-21	The Vanguard Group, Inc.	BUY	8.09	Ordinary	309	309
13-Jul-21	The Vanguard Group, Inc.	BUY	8.07	Ordinary	10,686	10,686
14-Jul-21	The Vanguard Group, Inc.	BUY	8.14	Ordinary	34,500	34,500
14-Jul-21	The Vanguard Group, Inc.	BUY	8.22	Ordinary	1,089	1,089
14-Jul-21	The Vanguard Group, Inc.	BUY	8.22	Ordinary	1,089	1,089
14-Jul-21	The Vanguard Group, Inc.	BUY	8.22	Ordinary	3,267	3,267
15-Jul-21	The Vanguard Group, Inc.	SELL	8.05	Ordinary	(6,461)	(6,461)
19-Jul-21	The Vanguard Group, Inc.	BUY	8.06	Ordinary	4,416	4,416
21-Jul-21	The Vanguard Group, Inc.	BUY	7.92	Ordinary	2,265	2,265
21-Jul-21	The Vanguard Group, Inc.	BUY	7.95	Ordinary	84,580	84,580
21-Jul-21	The Vanguard Group, Inc.	BUY	7.92	Ordinary	9,864	9,864
21-Jul-21	The Vanguard Group, Inc.	BUY	7.92	Ordinary	2,288	2,288
22-Jul-21	The Vanguard Group, Inc.	SELL	7.96	Ordinary	(3,110)	(3,110)
23-Jul-21	The Vanguard Group, Inc.	BUY	7.99	Ordinary	4,042	4,042
26-Jul-21	The Vanguard Group, Inc.	BUY	7.88	Ordinary	13,974	13,974
28-Jul-21	The Vanguard Group, Inc.	BUY	7.45	Ordinary	3,510	3,510
28-Jul-21	The Vanguard Group, Inc.	BUY	7.45	Ordinary	1,510	1,510
28-Jul-21	The Vanguard Group, Inc.	BUY	7.45	Ordinary	1,510	1,510
29-Jul-21	The Vanguard Group, Inc.	SELL	7.45	Ordinary	(4,776)	(4,776)
29-Jul-21	The Vanguard Group, Inc.	BUY	7.45	Ordinary	4,976	4,976
30-Jul-21	The Vanguard Group, Inc.	BUY	7.23	Ordinary	1,173	1,173
30-Jul-21	The Vanguard Group, Inc.	BUY	7.23	Ordinary	18,350	18,350
30-Jul-21	The Vanguard Group, Inc.	BUY	7.22	Ordinary	2,265	2,265
2-Aug-21	The Vanguard Group, Inc.	BUY	7.45	Ordinary	3,110	3,110
5-Aug-21	The Vanguard Group, Inc.	BUY	7.48	Ordinary	36,470	36,470
6-Aug-21	The Vanguard Group, Inc.	SELL	7.45	Ordinary	(2,336)	(2,336)
11-Aug-21	The Vanguard Group, Inc.	BUY	7.61	Ordinary	1,716	1,716
11-Aug-21	The Vanguard Group, Inc.	BUY	7.61	Ordinary	726	726
13-Aug-21	The Vanguard Group, Inc.	BUY	7.48	Ordinary	2,718	2,718
13-Aug-21	The Vanguard Group, Inc.	BUY	7.48	Ordinary	2,416	2,416
13-Aug-21	The Vanguard Group, Inc.	BUY	7.48	Ordinary	3,775	3,775
13-Aug-21	The Vanguard Group, Inc.	BUY	7.48	Ordinary	1,812	1,812
16-Aug-21	The Vanguard Group, Inc.	BUY	7.42	Ordinary	3,284	3,284
16-Aug-21	The Vanguard Group, Inc.	BUY	7.42	Ordinary	8,210	8,210
17-Aug-21	The Vanguard Group, Inc.	BUY	7.20	Ordinary	3,630	3,630
18-Aug-21	The Vanguard Group, Inc.	SELL	7.35	Ordinary	(347)	(347)
18-Aug-21	The Vanguard Group, Inc.	BUY	7.35	Ordinary	19,051	19,051
18-Aug-21	The Vanguard Group, Inc.	BUY	7.32	Ordinary	4,983	4,983
19-Aug-21	The Vanguard Group, Inc.	BUY	7.20	Ordinary	6,220	6,220
20-Aug-21	The Vanguard Group, Inc.	BUY	7.18	Ordinary	4,105	4,105
23-Aug-21	The Vanguard Group, Inc.	BUY	7.07	Ordinary	2,488	2,488
23-Aug-21	The Vanguard Group, Inc.	BUY	7.07	Ordinary	3,732	3,732
23-Aug-21	The Vanguard Group, Inc.	BUY	7.07	Ordinary	2,265	2,265
23-Aug-21	The Vanguard Group, Inc.	BUY	7.07	Ordinary	2,265	2,265
23-Aug-21	The Vanguard Group, Inc.	BUY	7.07	Ordinary	3,284	3,284
23-Aug-21	The Vanguard Group, Inc.	BUY	7.07	Ordinary	4,926	4,926
23-Aug-21	The Vanguard Group, Inc.	BUY	7.07	Ordinary	1,716	1,716
25-Aug-21	The Vanguard Group, Inc.	BUY	6.93	Ordinary	1,812	1,812
27-Aug-21	The Vanguard Group, Inc.	BUY	6.82	Ordinary	2,265	2,265
27-Aug-21	The Vanguard Group, Inc.	BUY	6.82	Ordinary	3,488	3,488
27-Aug-21	The Vanguard Group, Inc.	BUY	6.82	Ordinary	1,716	1,716
27-Aug-21	The Vanguard Group, Inc.	BUY	6.82	Ordinary	2,860	2,860
31-Aug-21	The Vanguard Group, Inc.	SELL	6.46	Ordinary	(23,081)	(23,081)
1-Sep-21	The Vanguard Group, Inc.	SELL	6.39	Ordinary	(138,895)	(138,895)
1-Sep-21	The Vanguard Group, Inc.	BUY	6.42	Ordinary	53,053	53,053
2-Sep-21	The Vanguard Group, Inc.	BUY	6.39	Ordinary	11,314	11,314
2-Sep-21	The Vanguard Group, Inc.	BUY	6.62	Ordinary	9,779	9,779
3-Sep-21	The Vanguard Group, Inc.	BUY	6.39	Ordinary	1,089	1,089

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7-Sep-21	The Vanguard Group, Inc.	BUY	6.34	Ordinary	392	392
7-Sep-21	The Vanguard Group, Inc.	BUY	6.34	Ordinary	21,884	21,884
10-Sep-21	The Vanguard Group, Inc.	BUY	6.11	Ordinary	407	407
13-Sep-21	The Vanguard Group, Inc.	SELL	6.07	Ordinary	(3,543)	(3,543)
14-Sep-21	The Vanguard Group, Inc.	BUY	6.29	Ordinary	1,089	1,089
17-Sep-21	The Vanguard Group, Inc.	SELL	5.54	Ordinary	(6,327)	(6,327)
17-Sep-21	The Vanguard Group, Inc.	SELL	5.54	Ordinary	(12,437)	(12,437)
17-Sep-21	The Vanguard Group, Inc.	SELL	5.54	Ordinary	(849)	(849)
20-Sep-21	The Vanguard Group, Inc.	SELL	5.45	Ordinary	(1,997)	(1,997)
20-Sep-21	The Vanguard Group, Inc.	SELL	5.45	Ordinary	(3,928)	(3,928)
20-Sep-21	The Vanguard Group, Inc.	SELL	5.45	Ordinary	(268)	(268)
20-Sep-21	The Vanguard Group, Inc.	BUY	5.30	Ordinary	3,630	3,630
21-Sep-21	The Vanguard Group, Inc.	BUY	5.50	Ordinary	726	726
23-Sep-21	The Vanguard Group, Inc.	BUY	5.96	Ordinary	5,670	5,670
23-Sep-21	The Vanguard Group, Inc.	BUY	5.96	Ordinary	726	726
28-Sep-21	The Vanguard Group, Inc.	BUY	5.63	Ordinary	726	726
30-Sep-21	The Vanguard Group, Inc.	BUY	5.71	Ordinary	14,688	14,688
4-Oct-21	The Vanguard Group, Inc.	BUY	5.90	Ordinary	24,296	24,296
4-Oct-21	The Vanguard Group, Inc.	BUY	5.87	Ordinary	47,903	47,903
5-Oct-21	The Vanguard Group, Inc.	SELL	5.74	Ordinary	(24,274)	(24,274)
5-Oct-21	The Vanguard Group, Inc.	BUY	5.76	Ordinary	726	726
6-Oct-21	The Vanguard Group, Inc.	BUY	5.78	Ordinary	394	394
6-Oct-21	The Vanguard Group, Inc.	SELL	5.85	Ordinary	(194)	(194)
8-Oct-21	The Vanguard Group, Inc.	BUY	6.25	Ordinary	5,508	5,508
13-Oct-21	The Vanguard Group, Inc.	BUY	6.08	Ordinary	3,672	3,672
13-Oct-21	The Vanguard Group, Inc.	BUY	6.08	Ordinary	7,344	7,344
13-Oct-21	The Vanguard Group, Inc.	BUY	6.08	Ordinary	726	726
14-Oct-21	The Vanguard Group, Inc.	SELL	6.04	Ordinary	(8,999)	(8,999)
19-Oct-21	The Vanguard Group, Inc.	BUY	6.11	Ordinary	379	379
19-Oct-21	The Vanguard Group, Inc.	BUY	6.13	Ordinary	1,089	1,089
19-Oct-21	The Vanguard Group, Inc.	BUY	6.13	Ordinary	363	363
20-Oct-21	The Vanguard Group, Inc.	BUY	6.17	Ordinary	726	726
21-Oct-21	The Vanguard Group, Inc.	BUY	6.11	Ordinary	2,904	2,904
22-Oct-21	The Vanguard Group, Inc.	BUY	6.08	Ordinary	1,125	1,125
25-Oct-21	The Vanguard Group, Inc.	BUY	6.23	Ordinary	5,508	5,508
27-Oct-21	The Vanguard Group, Inc.	SELL	6.04	Ordinary	(205)	(205)
28-Oct-21	The Vanguard Group, Inc.	BUY	5.68	Ordinary	379	379
29-Oct-21	The Vanguard Group, Inc.	BUY	5.72	Ordinary	377	377
29-Oct-21	The Vanguard Group, Inc.	SELL	5.73	Ordinary	(3,460)	(3,460)
1-Nov-21	The Vanguard Group, Inc.	BUY	5.67	Ordinary	5,508	5,508
1-Nov-21	The Vanguard Group, Inc.	BUY	5.67	Ordinary	3,672	3,672
3-Nov-21	The Vanguard Group, Inc.	BUY	5.61	Ordinary	7,599	7,599
3-Nov-21	The Vanguard Group, Inc.	BUY	5.61	Ordinary	4,590	4,590
5-Nov-21	The Vanguard Group, Inc.	BUY	5.60	Ordinary	5,148	5,148
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	19.77	Ordinary	8,510	8,510
25-Nov-19	Vanguard Investments Australia Ltd.	BUY	19.77	Ordinary	12,552	12,552
26-Nov-19	Vanguard Investments Australia Ltd.	BUY	19.85	Ordinary	32,055	32,055
26-Nov-19	Vanguard Investments Australia Ltd.	SELL	20.00	Ordinary	(769)	(769)
28-Nov-19	Vanguard Investments Australia Ltd.	BUY	20.50	Ordinary	3,444	3,444
29-Nov-19	Vanguard Investments Australia Ltd.	BUY	20.41	Ordinary	7,068	7,068
2-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.51	Ordinary	32,214	32,214
3-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.31	Ordinary	6,888	6,888
3-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.31	Ordinary	9,304	9,304
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.06	Ordinary	5,740	5,740
4-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.06	Ordinary	12,914	12,914
5-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.24	Ordinary	9,992	9,992
6-Dec-19	Vanguard Investments Australia Ltd.	SELL	20.24	Ordinary	(196,945)	(196,945)
6-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.42	Ordinary	12,115	12,115
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.55	Ordinary	2,334	2,334
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.55	Ordinary	4,592	4,592
9-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.55	Ordinary	7,068	7,068
11-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.67	Ordinary	15,658	15,658
13-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.61	Ordinary	4,592	4,592
13-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.61	Ordinary	5,900	5,900
17-Dec-19	Vanguard Investments Australia Ltd.	SELL	20.86	Ordinary	(21,628)	(21,628)
18-Dec-19	Vanguard Investments Australia Ltd.	SELL	20.85	Ordinary	(3,890)	(3,890)
18-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.84	Ordinary	34,292	34,292
18-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.85	Ordinary	8,260	8,260
19-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.92	Ordinary	14,949	14,949
19-Dec-19	Vanguard Investments Australia Ltd.	SELL	21.04	Ordinary	(23,775)	(23,775)

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20-Dec-19	Vanguard Investments Australia Ltd.	SELL	21.13	Ordinary	(170,878)	(170,878)
20-Dec-19	Vanguard Investments Australia Ltd.	BUY	21.15	Ordinary	4,588	4,588
27-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.95	Ordinary	3,084	3,084
30-Dec-19	Vanguard Investments Australia Ltd.	BUY	21.01	Ordinary	4,728	4,728
31-Dec-19	Vanguard Investments Australia Ltd.	SELL	20.53	Ordinary	(16,539)	(16,539)
31-Dec-19	Vanguard Investments Australia Ltd.	BUY	20.53	Ordinary	2,945	2,945
2-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.58	Ordinary	4,076	4,076
2-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.58	Ordinary	6,996	6,996
3-Jan-20	Vanguard Investments Australia Ltd.	SELL	20.59	Ordinary	(44,459)	(44,459)
7-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.67	Ordinary	16,960	16,960
7-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.60	Ordinary	3,480	3,480
8-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.36	Ordinary	8,700	8,700
9-Jan-20	Vanguard Investments Australia Ltd.	SELL	20.34	Ordinary	(4,640)	(4,640)
13-Jan-20	Vanguard Investments Australia Ltd.	SELL	20.47	Ordinary	(6,041)	(6,041)
13-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.47	Ordinary	8,685	8,685
14-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.46	Ordinary	7,328	7,328
14-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.50	Ordinary	3,088	3,088
14-Jan-20	Vanguard Investments Australia Ltd.	SELL	20.50	Ordinary	(3,088)	(3,088)
15-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.55	Ordinary	2,591	2,591
15-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.58	Ordinary	9,708	9,708
17-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.79	Ordinary	3,057	3,057
21-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.42	Ordinary	8,655	8,655
23-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.07	Ordinary	3,057	3,057
29-Jan-20	Vanguard Investments Australia Ltd.	BUY	20.14	Ordinary	4,076	4,076
30-Jan-20	Vanguard Investments Australia Ltd.	BUY	19.85	Ordinary	8,565	8,565
3-Feb-20	Vanguard Investments Australia Ltd.	SELL	19.84	Ordinary	(4,603)	(4,603)
5-Feb-20	Vanguard Investments Australia Ltd.	BUY	19.56	Ordinary	772	772
7-Feb-20	Vanguard Investments Australia Ltd.	BUY	19.56	Ordinary	5,700	5,700
10-Feb-20	Vanguard Investments Australia Ltd.	BUY	19.41	Ordinary	27,245	27,245
11-Feb-20	Vanguard Investments Australia Ltd.	BUY	19.38	Ordinary	22,828	22,828
11-Feb-20	Vanguard Investments Australia Ltd.	BUY	19.38	Ordinary	11,300	11,300
12-Feb-20	Vanguard Investments Australia Ltd.	SELL	19.52	Ordinary	(9,105)	(9,105)
13-Feb-20	Vanguard Investments Australia Ltd.	SELL	20.22	Ordinary	(5,090)	(5,090)
17-Feb-20	Vanguard Investments Australia Ltd.	SELL	20.89	Ordinary	(2,319)	(2,319)
17-Feb-20	Vanguard Investments Australia Ltd.	SELL	20.89	Ordinary	(4,836)	(4,836)
18-Feb-20	Vanguard Investments Australia Ltd.	BUY	21.04	Ordinary	773	773
26-Feb-20	Vanguard Investments Australia Ltd.	SELL	19.70	Ordinary	(1,959)	(1,959)
26-Feb-20	Vanguard Investments Australia Ltd.	BUY	19.58	Ordinary	239	239
26-Feb-20	Vanguard Investments Australia Ltd.	BUY	19.58	Ordinary	9,280	9,280
27-Feb-20	Vanguard Investments Australia Ltd.	BUY	19.51	Ordinary	47,318	47,318
28-Feb-20	Vanguard Investments Australia Ltd.	SELL	19.14	Ordinary	(5,869)	(5,869)
28-Feb-20	Vanguard Investments Australia Ltd.	SELL	19.14	Ordinary	(10,467)	(10,467)
28-Feb-20	Vanguard Investments Australia Ltd.	SELL	19.13	Ordinary	(902)	(902)
28-Feb-20	Vanguard Investments Australia Ltd.	BUY	19.14	Ordinary	8,730	8,730
3-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.86	Ordinary	3,081	3,081
3-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.86	Ordinary	15,822	15,822
4-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.73	Ordinary	7,455	7,455
4-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.73	Ordinary	4,108	4,108
4-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.73	Ordinary	9,962	9,962
5-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.96	Ordinary	5,125	5,125
5-Mar-20	Vanguard Investments Australia Ltd.	SELL	18.96	Ordinary	(1,527)	(1,527)
5-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.96	Ordinary	7,939	7,939
5-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.96	Ordinary	10,356	10,356
5-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.96	Ordinary	4,132	4,132
6-Mar-20	Vanguard Investments Australia Ltd.	SELL	18.65	Ordinary	(5,035)	(5,035)
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.06	Ordinary	865	865
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.06	Ordinary	6,198	6,198
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.06	Ordinary	5,165	5,165
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.06	Ordinary	26,001	26,001
9-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.06	Ordinary	20,650	20,650
10-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.97	Ordinary	5,087	5,087
10-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.97	Ordinary	32,451	32,451
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.24	Ordinary	3,441	3,441
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.10	Ordinary	638	638
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.10	Ordinary	6,198	6,198
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.10	Ordinary	9,297	9,297
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.10	Ordinary	11,780	11,780
11-Mar-20	Vanguard Investments Australia Ltd.	BUY	18.10	Ordinary	14,725	14,725
12-Mar-20	Vanguard Investments Australia Ltd.	SELL	17.14	Ordinary	(2,378)	(2,378)
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.14	Ordinary	767	767

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12-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.14	Ordinary	4,132	4,132
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.14	Ordinary	65,783	65,783
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.14	Ordinary	17,610	17,610
12-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.14	Ordinary	9,979	9,979
13-Mar-20	Vanguard Investments Australia Ltd.	SELL	17.17	Ordinary	(8,301)	(8,301)
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.17	Ordinary	24,584	24,584
13-Mar-20	Vanguard Investments Australia Ltd.	SELL	17.17	Ordinary	(554)	(554)
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.17	Ordinary	8,241	8,241
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.17	Ordinary	8,264	8,264
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.17	Ordinary	39,906	39,906
13-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.17	Ordinary	17,670	17,670
16-Mar-20	Vanguard Investments Australia Ltd.	BUY	15.73	Ordinary	20,615	20,615
17-Mar-20	Vanguard Investments Australia Ltd.	SELL	16.72	Ordinary	(12,644)	(12,644)
17-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.09	Ordinary	2,394	2,394
17-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.72	Ordinary	767	767
17-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.72	Ordinary	8,264	8,264
17-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.72	Ordinary	6,198	6,198
17-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.72	Ordinary	14,700	14,700
18-Mar-20	Vanguard Investments Australia Ltd.	SELL	16.41	Ordinary	(7,153)	(7,153)
18-Mar-20	Vanguard Investments Australia Ltd.	SELL	16.41	Ordinary	(5,489)	(5,489)
18-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.41	Ordinary	26,514	26,514
18-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.41	Ordinary	17,610	17,610
19-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.40	Ordinary	3,102	3,102
19-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.40	Ordinary	13,455	13,455
20-Mar-20	Vanguard Investments Australia Ltd.	SELL	16.42	Ordinary	(2,275)	(2,275)
20-Mar-20	Vanguard Investments Australia Ltd.	SELL	16.42	Ordinary	(39,355)	(39,355)
20-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.42	Ordinary	18,352	18,352
23-Mar-20	Vanguard Investments Australia Ltd.	BUY	15.45	Ordinary	8,302	8,302
26-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.07	Ordinary	8,865	8,865
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.00	Ordinary	13,146	13,146
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.07	Ordinary	196	196
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.00	Ordinary	23,845	23,845
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.07	Ordinary	356	356
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.00	Ordinary	11,730	11,730
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.07	Ordinary	175	175
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.00	Ordinary	1,602	1,602
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.07	Ordinary	24	24
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.00	Ordinary	5,964	5,964
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.07	Ordinary	89	89
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.00	Ordinary	11,997	11,997
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.07	Ordinary	179	179
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.00	Ordinary	41,454	41,454
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.07	Ordinary	618	618
27-Mar-20	Vanguard Investments Australia Ltd.	SELL	15.93	Ordinary	(15,768)	(15,768)
27-Mar-20	Vanguard Investments Australia Ltd.	BUY	15.93	Ordinary	14,600	14,600
30-Mar-20	Vanguard Investments Australia Ltd.	BUY	16.98	Ordinary	92,802	92,802
31-Mar-20	Vanguard Investments Australia Ltd.	SELL	17.19	Ordinary	(62,295)	(62,295)
31-Mar-20	Vanguard Investments Australia Ltd.	SELL	17.19	Ordinary	(616)	(616)
31-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.19	Ordinary	1,534	1,534
31-Mar-20	Vanguard Investments Australia Ltd.	SELL	17.19	Ordinary	(19,322)	(19,322)
31-Mar-20	Vanguard Investments Australia Ltd.	BUY	17.19	Ordinary	11,680	11,680
1-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.56	Ordinary	7,449	7,449
2-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.56	Ordinary	4,000	4,000
2-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.56	Ordinary	8,640	8,640
3-Apr-20	Vanguard Investments Australia Ltd.	SELL	17.49	Ordinary	(8,346)	(8,346)
3-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.49	Ordinary	4,944	4,944
7-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.52	Ordinary	2,700	2,700
7-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.52	Ordinary	4,000	4,000
7-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.52	Ordinary	19,985	19,985
8-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.24	Ordinary	11,596	11,596
9-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.42	Ordinary	7,926	7,926
9-Apr-20	Vanguard Investments Australia Ltd.	SELL	17.47	Ordinary	(43,215)	(43,215)
9-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.47	Ordinary	1,512	1,512
9-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.47	Ordinary	4,000	4,000
9-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.47	Ordinary	19,210	19,210
14-Apr-20	Vanguard Investments Australia Ltd.	SELL	17.75	Ordinary	(33,332)	(33,332)
15-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.47	Ordinary	11,220	11,220
20-Apr-20	Vanguard Investments Australia Ltd.	SELL	17.03	Ordinary	(519)	(519)
20-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.03	Ordinary	3,992	3,992
20-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.03	Ordinary	2,994	2,994

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
21-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.16	Ordinary	2,124	2,124
21-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.00	Ordinary	9,384	9,384
21-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.00	Ordinary	11,040	11,040
22-Apr-20	Vanguard Investments Australia Ltd.	SELL	17.33	Ordinary	(71,426)	(71,426)
22-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.32	Ordinary	3,992	3,992
23-Apr-20	Vanguard Investments Australia Ltd.	SELL	17.19	Ordinary	(75,989)	(75,989)
23-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.19	Ordinary	4,330	4,330
23-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.19	Ordinary	3,992	3,992
23-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.19	Ordinary	8,295	8,295
24-Apr-20	Vanguard Investments Australia Ltd.	SELL	17.10	Ordinary	(11,635)	(11,635)
28-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.09	Ordinary	3,992	3,992
28-Apr-20	Vanguard Investments Australia Ltd.	BUY	17.09	Ordinary	9,936	9,936
30-Apr-20	Vanguard Investments Australia Ltd.	SELL	16.96	Ordinary	(11,883)	(11,883)
30-Apr-20	Vanguard Investments Australia Ltd.	SELL	16.96	Ordinary	(6,469)	(6,469)
1-May-20	Vanguard Investments Australia Ltd.	SELL	16.42	Ordinary	(2,485)	(2,485)
1-May-20	Vanguard Investments Australia Ltd.	BUY	16.42	Ordinary	11,020	11,020
1-May-20	Vanguard Investments Australia Ltd.	BUY	16.42	Ordinary	8,265	8,265
4-May-20	Vanguard Investments Australia Ltd.	BUY	16.34	Ordinary	3,980	3,980
4-May-20	Vanguard Investments Australia Ltd.	BUY	16.34	Ordinary	15,400	15,400
5-May-20	Vanguard Investments Australia Ltd.	SELL	16.36	Ordinary	(1,401)	(1,401)
5-May-20	Vanguard Investments Australia Ltd.	SELL	16.36	Ordinary	(1,156)	(1,156)
6-May-20	Vanguard Investments Australia Ltd.	BUY	16.48	Ordinary	3,980	3,980
8-May-20	Vanguard Investments Australia Ltd.	BUY	16.49	Ordinary	542	542
12-May-20	Vanguard Investments Australia Ltd.	BUY	16.56	Ordinary	749	749
12-May-20	Vanguard Investments Australia Ltd.	BUY	16.56	Ordinary	3,980	3,980
12-May-20	Vanguard Investments Australia Ltd.	BUY	16.56	Ordinary	7,546	7,546
13-May-20	Vanguard Investments Australia Ltd.	BUY	16.53	Ordinary	8,085	8,085
15-May-20	Vanguard Investments Australia Ltd.	BUY	16.57	Ordinary	1,498	1,498
19-May-20	Vanguard Investments Australia Ltd.	BUY	16.70	Ordinary	10,840	10,840
20-May-20	Vanguard Investments Australia Ltd.	BUY	16.55	Ordinary	8,592	8,592
22-May-20	Vanguard Investments Australia Ltd.	BUY	16.36	Ordinary	14,940	14,940
22-May-20	Vanguard Investments Australia Ltd.	BUY	16.36	Ordinary	6,420	6,420
25-May-20	Vanguard Investments Australia Ltd.	BUY	16.54	Ordinary	4,279	4,279
25-May-20	Vanguard Investments Australia Ltd.	BUY	16.54	Ordinary	3,984	3,984
25-May-20	Vanguard Investments Australia Ltd.	BUY	16.54	Ordinary	5,350	5,350
26-May-20	Vanguard Investments Australia Ltd.	SELL	16.81	Ordinary	(6,403)	(6,403)
26-May-20	Vanguard Investments Australia Ltd.	BUY	16.81	Ordinary	74,328	74,328
26-May-20	Vanguard Investments Australia Ltd.	BUY	16.81	Ordinary	8,025	8,025
27-May-20	Vanguard Investments Australia Ltd.	BUY	17.00	Ordinary	72,379	72,379
28-May-20	Vanguard Investments Australia Ltd.	SELL	17.02	Ordinary	(509)	(509)
28-May-20	Vanguard Investments Australia Ltd.	BUY	17.02	Ordinary	1,498	1,498
28-May-20	Vanguard Investments Australia Ltd.	SELL	17.02	Ordinary	(8,224)	(8,224)
29-May-20	Vanguard Investments Australia Ltd.	SELL	16.76	Ordinary	(9,505)	(9,505)
29-May-20	Vanguard Investments Australia Ltd.	SELL	16.79	Ordinary	(1,498)	(1,498)
29-May-20	Vanguard Investments Australia Ltd.	SELL	16.79	Ordinary	(63,037)	(63,037)
29-May-20	Vanguard Investments Australia Ltd.	BUY	16.76	Ordinary	7,965	7,965
3-Jun-20	Vanguard Investments Australia Ltd.	BUY	17.40	Ordinary	3,984	3,984
4-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.59	Ordinary	(38,575)	(38,575)
5-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.49	Ordinary	(12,332)	(12,332)
5-Jun-20	Vanguard Investments Australia Ltd.	BUY	17.49	Ordinary	7,980	7,980
5-Jun-20	Vanguard Investments Australia Ltd.	BUY	17.49	Ordinary	6,384	6,384
9-Jun-20	Vanguard Investments Australia Ltd.	BUY	17.59	Ordinary	6,512	6,512
9-Jun-20	Vanguard Investments Australia Ltd.	BUY	18.05	Ordinary	3,984	3,984
10-Jun-20	Vanguard Investments Australia Ltd.	SELL	18.10	Ordinary	(7,475)	(7,475)
10-Jun-20	Vanguard Investments Australia Ltd.	SELL	18.10	Ordinary	(19,065)	(19,065)
11-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.72	Ordinary	(1,067)	(1,067)
11-Jun-20	Vanguard Investments Australia Ltd.	BUY	17.72	Ordinary	8,010	8,010
15-Jun-20	Vanguard Investments Australia Ltd.	BUY	17.01	Ordinary	10,660	10,660
16-Jun-20	Vanguard Investments Australia Ltd.	BUY	17.25	Ordinary	5,360	5,360
17-Jun-20	Vanguard Investments Australia Ltd.	BUY	17.35	Ordinary	8,085	8,085
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(32,597)	(32,597)
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(78,080)	(78,080)
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(12,667)	(12,667)
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(109,615)	(109,615)
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(1,076)	(1,076)
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(58,500)	(58,500)
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(9,985)	(9,985)
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(21,179)	(21,179)
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(142,507)	(142,507)
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.24	Ordinary	(104,866)	(104,866)



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19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.25	Ordinary	(280)	(280)
19-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(254,990)	(254,990)
19-Jun-20	Vanguard Investments Australia Ltd.	BUY	17.25	Ordinary	1,076	1,076
22-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.31	Ordinary	(12,960)	(12,960)
23-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(5,684)	(5,684)
23-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.28	Ordinary	(8,330)	(8,330)
24-Jun-20	Vanguard Investments Australia Ltd.	SELL	17.19	Ordinary	(5,047)	(5,047)
25-Jun-20	Vanguard Investments Australia Ltd.	BUY	16.80	Ordinary	7,568	7,568
25-Jun-20	Vanguard Investments Australia Ltd.	BUY	16.80	Ordinary	11,247	11,247
26-Jun-20	Vanguard Investments Australia Ltd.	SELL	16.90	Ordinary	(8,578)	(8,578)
3-Jul-20	Vanguard Investments Australia Ltd.	SELL	17.59	Ordinary	(4,677)	(4,677)
6-Jul-20	Vanguard Investments Australia Ltd.	SELL	17.46	Ordinary	(305)	(305)
7-Jul-20	Vanguard Investments Australia Ltd.	SELL	17.16	Ordinary	(23,037)	(23,037)
8-Jul-20	Vanguard Investments Australia Ltd.	SELL	17.07	Ordinary	(426,056)	(426,056)
8-Jul-20	Vanguard Investments Australia Ltd.	BUY	17.07	Ordinary	55,962	55,962
8-Jul-20	Vanguard Investments Australia Ltd.	SELL	17.07	Ordinary	(55,962)	(55,962)
8-Jul-20	Vanguard Investments Australia Ltd.	BUY	17.07	Ordinary	497	497
16-Jul-20	Vanguard Investments Australia Ltd.	SELL	17.43	Ordinary	(4,715)	(4,715)
16-Jul-20	Vanguard Investments Australia Ltd.	SELL	17.43	Ordinary	(4,491)	(4,491)
20-Jul-20	Vanguard Investments Australia Ltd.	SELL	17.40	Ordinary	(22,895)	(22,895)
28-Jul-20	Vanguard Investments Australia Ltd.	BUY	16.65	Ordinary	5,947	5,947
30-Jul-20	Vanguard Investments Australia Ltd.	BUY	16.93	Ordinary	6,526	6,526
5-Aug-20	Vanguard Investments Australia Ltd.	SELL	16.83	Ordinary	(5,869)	(5,869)
5-Aug-20	Vanguard Investments Australia Ltd.	BUY	16.83	Ordinary	7,590	7,590
7-Aug-20	Vanguard Investments Australia Ltd.	BUY	16.80	Ordinary	10,140	10,140
12-Aug-20	Vanguard Investments Australia Ltd.	SELL	16.99	Ordinary	(1,106)	(1,106)
18-Aug-20	Vanguard Investments Australia Ltd.	BUY	15.46	Ordinary	1,400	1,400
18-Aug-20	Vanguard Investments Australia Ltd.	BUY	15.46	Ordinary	9,873	9,873
18-Aug-20	Vanguard Investments Australia Ltd.	BUY	15.46	Ordinary	2,319	2,319
25-Aug-20	Vanguard Investments Australia Ltd.	BUY	15.54	Ordinary	7,440	7,440
31-Aug-20	Vanguard Investments Australia Ltd.	SELL	14.80	Ordinary	(12,659)	(12,659)
1-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.90	Ordinary	3,804	3,804
1-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.90	Ordinary	7,760	7,760
1-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.90	Ordinary	1,282	1,282
2-Sep-20	Vanguard Investments Australia Ltd.	SELL	15.06	Ordinary	(21,792)	(21,792)
7-Sep-20	Vanguard Investments Australia Ltd.	BUY	15.02	Ordinary	6,422	6,422
8-Sep-20	Vanguard Investments Australia Ltd.	BUY	15.05	Ordinary	1,891	1,891
9-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.90	Ordinary	8,892	8,892
15-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.50	Ordinary	3,812	3,812
16-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.47	Ordinary	2,495	2,495
17-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.42	Ordinary	3,812	3,812
18-Sep-20	Vanguard Investments Australia Ltd.	SELL	14.28	Ordinary	(19,124)	(19,124)
18-Sep-20	Vanguard Investments Australia Ltd.	SELL	14.28	Ordinary	(2,174)	(2,174)
18-Sep-20	Vanguard Investments Australia Ltd.	SELL	14.28	Ordinary	(32,168)	(32,168)
18-Sep-20	Vanguard Investments Australia Ltd.	SELL	14.28	Ordinary	(19,803)	(19,803)
18-Sep-20	Vanguard Investments Australia Ltd.	SELL	14.28	Ordinary	(3,109)	(3,109)
18-Sep-20	Vanguard Investments Australia Ltd.	SELL	14.28	Ordinary	(37,086)	(37,086)
18-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.27	Ordinary	2,470	2,470
18-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.27	Ordinary	3,952	3,952
21-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.13	Ordinary	1,407	1,407
23-Sep-20	Vanguard Investments Australia Ltd.	SELL	14.13	Ordinary	(7,236)	(7,236)
25-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.35	Ordinary	4,680	4,680
28-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.35	Ordinary	3,800	3,800
29-Sep-20	Vanguard Investments Australia Ltd.	BUY	14.10	Ordinary	1,413	1,413
30-Sep-20	Vanguard Investments Australia Ltd.	BUY	13.62	Ordinary	27,321	27,321
30-Sep-20	Vanguard Investments Australia Ltd.	SELL	13.62	Ordinary	(15,379)	(15,379)
30-Sep-20	Vanguard Investments Australia Ltd.	BUY	13.62	Ordinary	4,740	4,740
2-Oct-20	Vanguard Investments Australia Ltd.	BUY	13.58	Ordinary	7,315	7,315
5-Oct-20	Vanguard Investments Australia Ltd.	BUY	13.85	Ordinary	6,960	6,960
6-Oct-20	Vanguard Investments Australia Ltd.	BUY	13.70	Ordinary	4,640	4,640
7-Oct-20	Vanguard Investments Australia Ltd.	SELL	13.61	Ordinary	(15,366)	(15,366)
7-Oct-20	Vanguard Investments Australia Ltd.	SELL	13.61	Ordinary	(78,117)	(78,117)
7-Oct-20	Vanguard Investments Australia Ltd.	SELL	13.61	Ordinary	(15,622)	(15,622)
8-Oct-20	Vanguard Investments Australia Ltd.	SELL	13.55	Ordinary	(21,611)	(21,611)
8-Oct-20	Vanguard Investments Australia Ltd.	SELL	13.55	Ordinary	(143,884)	(143,884)
8-Oct-20	Vanguard Investments Australia Ltd.	SELL	13.55	Ordinary	(22,054)	(22,054)
8-Oct-20	Vanguard Investments Australia Ltd.	SELL	13.45	Ordinary	(16,582)	(16,582)
9-Oct-20	Vanguard Investments Australia Ltd.	BUY	13.50	Ordinary	3,756	3,756
13-Oct-20	Vanguard Investments Australia Ltd.	BUY	13.59	Ordinary	4,530	4,530
13-Oct-20	Vanguard Investments Australia Ltd.	SELL	13.59	Ordinary	(14,232)	(14,232)

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19-Oct-20	Vanguard Investments Australia Ltd.	SELL	13.51	Ordinary	(36,858)	(36,858)
20-Oct-20	Vanguard Investments Australia Ltd.	SELL	13.38	Ordinary	(18,339)	(18,339)
20-Oct-20	Vanguard Investments Australia Ltd.	BUY	13.38	Ordinary	3,756	3,756
20-Oct-20	Vanguard Investments Australia Ltd.	BUY	13.38	Ordinary	25,593	25,593
23-Oct-20	Vanguard Investments Australia Ltd.	BUY	13.15	Ordinary	4,500	4,500
26-Oct-20	Vanguard Investments Australia Ltd.	BUY	13.16	Ordinary	346	346
28-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.93	Ordinary	(22,930)	(22,930)
28-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.86	Ordinary	(160,674)	(160,674)
28-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.86	Ordinary	(37,518)	(37,518)
28-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.93	Ordinary	(10,616)	(10,616)
28-Oct-20	Vanguard Investments Australia Ltd.	BUY	12.93	Ordinary	4,520	4,520
29-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.77	Ordinary	(400,009)	(400,009)
29-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.77	Ordinary	(93,404)	(93,404)
29-Oct-20	Vanguard Investments Australia Ltd.	BUY	12.62	Ordinary	3,756	3,756
30-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.64	Ordinary	(180,907)	(180,907)
30-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.56	Ordinary	(449,719)	(449,719)
30-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.64	Ordinary	(42,243)	(42,243)
30-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.56	Ordinary	(105,011)	(105,011)
30-Oct-20	Vanguard Investments Australia Ltd.	SELL	12.48	Ordinary	(3,962)	(3,962)
3-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.90	Ordinary	4,480	4,480
3-Nov-20	Vanguard Investments Australia Ltd.	SELL	12.90	Ordinary	(27,148)	(27,148)
4-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.81	Ordinary	6,780	6,780
5-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.84	Ordinary	35,585	35,585
5-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.93	Ordinary	902	902
10-Nov-20	Vanguard Investments Australia Ltd.	SELL	13.23	Ordinary	(6,832)	(6,832)
10-Nov-20	Vanguard Investments Australia Ltd.	BUY	13.23	Ordinary	7,616	7,616
11-Nov-20	Vanguard Investments Australia Ltd.	SELL	13.34	Ordinary	(28,345)	(28,345)
12-Nov-20	Vanguard Investments Australia Ltd.	BUY	13.10	Ordinary	3,768	3,768
13-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.87	Ordinary	7,701	7,701
13-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.87	Ordinary	24,009	24,009
17-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.89	Ordinary	4,470	4,470
19-Nov-20	Vanguard Investments Australia Ltd.	BUY	12.97	Ordinary	30,394	30,394
23-Nov-20	Vanguard Investments Australia Ltd.	BUY	13.39	Ordinary	5,352	5,352
25-Nov-20	Vanguard Investments Australia Ltd.	BUY	13.93	Ordinary	13,021	13,021
26-Nov-20	Vanguard Investments Australia Ltd.	SELL	14.15	Ordinary	(31,018)	(31,018)
26-Nov-20	Vanguard Investments Australia Ltd.	SELL	14.15	Ordinary	(29,199)	(29,199)
26-Nov-20	Vanguard Investments Australia Ltd.	BUY	14.15	Ordinary	52,897	52,897
26-Nov-20	Vanguard Investments Australia Ltd.	BUY	14.15	Ordinary	3,768	3,768
1-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.54	Ordinary	6,720	6,720
2-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.62	Ordinary	7,152	7,152
3-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.46	Ordinary	3,768	3,768
4-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.52	Ordinary	4,510	4,510
9-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.34	Ordinary	434	434
11-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.33	Ordinary	5,798	5,798
15-Dec-20	Vanguard Investments Australia Ltd.	BUY	12.85	Ordinary	4,430	4,430
16-Dec-20	Vanguard Investments Australia Ltd.	BUY	12.87	Ordinary	4,460	4,460
17-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.08	Ordinary	3,768	3,768
17-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.08	Ordinary	5,772	5,772
18-Dec-20	Vanguard Investments Australia Ltd.	SELL	13.22	Ordinary	(13,175)	(13,175)
18-Dec-20	Vanguard Investments Australia Ltd.	SELL	13.22	Ordinary	(426)	(426)
18-Dec-20	Vanguard Investments Australia Ltd.	BUY	13.23	Ordinary	79,284	79,284
22-Dec-20	Vanguard Investments Australia Ltd.	BUY	11.97	Ordinary	9,120	9,120
23-Dec-20	Vanguard Investments Australia Ltd.	BUY	12.04	Ordinary	1,308	1,308
30-Dec-20	Vanguard Investments Australia Ltd.	BUY	12.07	Ordinary	575	575
31-Dec-20	Vanguard Investments Australia Ltd.	BUY	11.95	Ordinary	3,924	3,924
4-Jan-21	Vanguard Investments Australia Ltd.	BUY	12.12	Ordinary	16,735	16,735
4-Jan-21	Vanguard Investments Australia Ltd.	BUY	12.12	Ordinary	4,650	4,650
5-Jan-21	Vanguard Investments Australia Ltd.	SELL	12.00	Ordinary	(2,150)	(2,150)
6-Jan-21	Vanguard Investments Australia Ltd.	BUY	12.03	Ordinary	5,580	5,580
14-Jan-21	Vanguard Investments Australia Ltd.	BUY	12.19	Ordinary	7,568	7,568
15-Jan-21	Vanguard Investments Australia Ltd.	SELL	12.00	Ordinary	(428)	(428)
15-Jan-21	Vanguard Investments Australia Ltd.	BUY	12.00	Ordinary	1,962	1,962
19-Jan-21	Vanguard Investments Australia Ltd.	BUY	11.80	Ordinary	2,345	2,345
21-Jan-21	Vanguard Investments Australia Ltd.	BUY	11.95	Ordinary	2,723	2,723
22-Jan-21	Vanguard Investments Australia Ltd.	BUY	11.78	Ordinary	21,083	21,083
25-Jan-21	Vanguard Investments Australia Ltd.	SELL	11.65	Ordinary	(11,719)	(11,719)
27-Jan-21	Vanguard Investments Australia Ltd.	SELL	11.55	Ordinary	(8,584)	(8,584)
28-Jan-21	Vanguard Investments Australia Ltd.	SELL	11.64	Ordinary	(8,658)	(8,658)
28-Jan-21	Vanguard Investments Australia Ltd.	BUY	11.64	Ordinary	25,623	25,623
28-Jan-21	Vanguard Investments Australia Ltd.	BUY	11.64	Ordinary	5,993	5,993

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
2-Feb-21	Vanguard Investments Australia Ltd.	BUY	11.57	Ordinary	6,510	6,510
5-Feb-21	Vanguard Investments Australia Ltd.	BUY	11.39	Ordinary	1,413	1,413
8-Feb-21	Vanguard Investments Australia Ltd.	SELL	11.16	Ordinary	(3,892)	(3,892)
10-Feb-21	Vanguard Investments Australia Ltd.	BUY	11.16	Ordinary	3,892	3,892
10-Feb-21	Vanguard Investments Australia Ltd.	BUY	11.16	Ordinary	5,902	5,902
10-Feb-21	Vanguard Investments Australia Ltd.	BUY	11.16	Ordinary	2,663	2,663
11-Feb-21	Vanguard Investments Australia Ltd.	BUY	11.30	Ordinary	3,150	3,150
12-Feb-21	Vanguard Investments Australia Ltd.	BUY	11.05	Ordinary	22,124	22,124
15-Feb-21	Vanguard Investments Australia Ltd.	SELL	10.63	Ordinary	(9,410)	(9,410)
16-Feb-21	Vanguard Investments Australia Ltd.	BUY	10.60	Ordinary	976	976
16-Feb-21	Vanguard Investments Australia Ltd.	SELL	10.60	Ordinary	(3,904)	(3,904)
19-Feb-21	Vanguard Investments Australia Ltd.	BUY	10.10	Ordinary	11,727	11,727
22-Feb-21	Vanguard Investments Australia Ltd.	BUY	10.01	Ordinary	4,580	4,580
23-Feb-21	Vanguard Investments Australia Ltd.	BUY	10.07	Ordinary	3,904	3,904
26-Feb-21	Vanguard Investments Australia Ltd.	SELL	9.37	Ordinary	(4,153)	(4,153)
26-Feb-21	Vanguard Investments Australia Ltd.	BUY	9.37	Ordinary	4,570	4,570
3-Mar-21	Vanguard Investments Australia Ltd.	BUY	9.48	Ordinary	9,120	9,120
4-Mar-21	Vanguard Investments Australia Ltd.	BUY	9.45	Ordinary	12,812	12,812
5-Mar-21	Vanguard Investments Australia Ltd.	SELL	9.64	Ordinary	(10,582)	(10,582)
5-Mar-21	Vanguard Investments Australia Ltd.	BUY	9.64	Ordinary	4,550	4,550
9-Mar-21	Vanguard Investments Australia Ltd.	BUY	9.77	Ordinary	1,383	1,383
10-Mar-21	Vanguard Investments Australia Ltd.	BUY	9.70	Ordinary	2,964	2,964
10-Mar-21	Vanguard Investments Australia Ltd.	BUY	9.70	Ordinary	5,508	5,508
15-Mar-21	Vanguard Investments Australia Ltd.	SELL	9.84	Ordinary	(3,952)	(3,952)
17-Mar-21	Vanguard Investments Australia Ltd.	BUY	9.69	Ordinary	4,520	4,520
19-Mar-21	Vanguard Investments Australia Ltd.	SELL	9.64	Ordinary	(18,050)	(18,050)
19-Mar-21	Vanguard Investments Australia Ltd.	SELL	9.64	Ordinary	(8,222)	(8,222)
22-Mar-21	Vanguard Investments Australia Ltd.	BUY	9.96	Ordinary	3,948	3,948
23-Mar-21	Vanguard Investments Australia Ltd.	BUY	10.02	Ordinary	18,985	18,985
23-Mar-21	Vanguard Investments Australia Ltd.	SELL	10.52	Ordinary	(7,712)	(7,712)
30-Mar-21	Vanguard Investments Australia Ltd.	BUY	9.81	Ordinary	5,357	5,357
30-Mar-21	Vanguard Investments Australia Ltd.	BUY	9.81	Ordinary	6,331	6,331
31-Mar-21	Vanguard Investments Australia Ltd.	SELL	9.65	Ordinary	(41,938)	(41,938)
31-Mar-21	Vanguard Investments Australia Ltd.	SELL	9.65	Ordinary	(38,860)	(38,860)
1-Apr-21	Vanguard Investments Australia Ltd.	IN SPECIE	9.72	Ordinary	(1,114,127)	(1,114,127)
1-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.72	Ordinary	3,900	3,900
6-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.67	Ordinary	2,160	2,160
6-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.67	Ordinary	23,980	23,980
6-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.67	Ordinary	1,464	1,464
7-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.67	Ordinary	10,341	10,341
7-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.65	Ordinary	5,844	5,844
9-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.64	Ordinary	10,670	10,670
9-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.64	Ordinary	5,820	5,820
12-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.60	Ordinary	2,925	2,925
20-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.15	Ordinary	9,520	9,520
21-Apr-21	Vanguard Investments Australia Ltd.	BUY	9.06	Ordinary	3,932	3,932
29-Apr-21	Vanguard Investments Australia Ltd.	BUY	8.85	Ordinary	5,203	5,203
30-Apr-21	Vanguard Investments Australia Ltd.	BUY	8.93	Ordinary	3,928	3,928
30-Apr-21	Vanguard Investments Australia Ltd.	BUY	8.93	Ordinary	31,639	31,639
3-May-21	Vanguard Investments Australia Ltd.	BUY	8.90	Ordinary	4,750	4,750
6-May-21	Vanguard Investments Australia Ltd.	BUY	9.08	Ordinary	7,185	7,185
7-May-21	Vanguard Investments Australia Ltd.	BUY	8.81	Ordinary	36,344	36,344
12-May-21	Vanguard Investments Australia Ltd.	BUY	8.71	Ordinary	3,936	3,936
14-May-21	Vanguard Investments Australia Ltd.	BUY	8.51	Ordinary	11,807	11,807
14-May-21	Vanguard Investments Australia Ltd.	BUY	8.51	Ordinary	6,748	6,748
17-May-21	Vanguard Investments Australia Ltd.	BUY	8.39	Ordinary	3,952	3,952
17-May-21	Vanguard Investments Australia Ltd.	BUY	8.39	Ordinary	5,772	5,772
19-May-21	Vanguard Investments Australia Ltd.	BUY	8.04	Ordinary	6,175	6,175
19-May-21	Vanguard Investments Australia Ltd.	SELL	8.29	Ordinary	(1,059)	(1,059)
20-May-21	Vanguard Investments Australia Ltd.	IN SPECIE	8.23	Ordinary	(2,249,191)	(2,249,191)
20-May-21	Vanguard Investments Australia Ltd.	IN SPECIE	8.23	Ordinary	(19,003)	(19,003)
20-May-21	Vanguard Investments Australia Ltd.	BUY	8.23	Ordinary	3,952	3,952
21-May-21	Vanguard Investments Australia Ltd.	BUY	8.33	Ordinary	9,380	9,380
25-May-21	Vanguard Investments Australia Ltd.	BUY	8.18	Ordinary	5,640	5,640
27-May-21	Vanguard Investments Australia Ltd.	BUY	8.19	Ordinary	2,964	2,964
31-May-21	Vanguard Investments Australia Ltd.	BUY	8.12	Ordinary	54,140	54,140
2-Jun-21	Vanguard Investments Australia Ltd.	BUY	8.28	Ordinary	12,453	12,453
4-Jun-21	Vanguard Investments Australia Ltd.	BUY	8.76	Ordinary	3,358	3,358
8-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.15	Ordinary	1,976	1,976
8-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.15	Ordinary	5,628	5,628

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-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.16	Ordinary	5,652	5,652
11-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.32	Ordinary	3,952	3,952
18-Jun-21	Vanguard Investments Australia Ltd.	SELL	9.34	Ordinary	(10,741)	(10,741)
18-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.34	Ordinary	178,993	178,993
22-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.21	Ordinary	5,070	5,070
22-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.21	Ordinary	2,028	2,028
24-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.01	Ordinary	4,272	4,272
28-Jun-21	Vanguard Investments Australia Ltd.	SELL	8.99	Ordinary	(11,124)	(11,124)
29-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.11	Ordinary	4,276	4,276
29-Jun-21	Vanguard Investments Australia Ltd.	BUY	9.11	Ordinary	6,156	6,156
2-Jul-21	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	37,037	37,037
2-Jul-21	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	2,540	2,540
5-Jul-21	Vanguard Investments Australia Ltd.	BUY	8.08	Ordinary	5,320	5,320
7-Jul-21	Vanguard Investments Australia Ltd.	BUY	8.15	Ordinary	7,154	7,154
9-Jul-21	Vanguard Investments Australia Ltd.	BUY	8.14	Ordinary	7,196	7,196
9-Jul-21	Vanguard Investments Australia Ltd.	BUY	8.14	Ordinary	8,738	8,738
15-Jul-21	Vanguard Investments Australia Ltd.	BUY	8.05	Ordinary	37,903	37,903
15-Jul-21	Vanguard Investments Australia Ltd.	BUY	8.05	Ordinary	16,566	16,566
16-Jul-21	Vanguard Investments Australia Ltd.	BUY	8.10	Ordinary	37,297	37,297
19-Jul-21	Vanguard Investments Australia Ltd.	BUY	8.06	Ordinary	2,615	2,615
20-Jul-21	Vanguard Investments Australia Ltd.	SELL	7.87	Ordinary	(2,557)	(2,557)
20-Jul-21	Vanguard Investments Australia Ltd.	BUY	7.87	Ordinary	6,288	6,288
21-Jul-21	Vanguard Investments Australia Ltd.	BUY	7.91	Ordinary	4,256	4,256
23-Jul-21	Vanguard Investments Australia Ltd.	BUY	7.99	Ordinary	6,264	6,264
27-Jul-21	Vanguard Investments Australia Ltd.	IN SPECIE	7.71	Ordinary	(564,289)	(564,289)
3-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.44	Ordinary	7,112	7,112
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.44	Ordinary	4,783	4,783
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.45	Ordinary	4,256	4,256
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.44	Ordinary	87,519	87,519
9-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.46	Ordinary	6,108	6,108
12-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.18	Ordinary	11,297	11,297
16-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.41	Ordinary	5,340	5,340
16-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.41	Ordinary	10,240	10,240
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	4,280	4,280
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	11,040	11,040
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.35	Ordinary	4,416	4,416
19-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.20	Ordinary	7,202	7,202
20-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.15	Ordinary	3,213	3,213
20-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.15	Ordinary	2,770	2,770
24-Aug-21	Vanguard Investments Australia Ltd.	BUY	7.18	Ordinary	3,213	3,213
25-Aug-21	Vanguard Investments Australia Ltd.	BUY	6.93	Ordinary	7,228	7,228
25-Aug-21	Vanguard Investments Australia Ltd.	BUY	6.93	Ordinary	97,006	97,006
26-Aug-21	Vanguard Investments Australia Ltd.	BUY	6.71	Ordinary	5,590	5,590
30-Aug-21	Vanguard Investments Australia Ltd.	BUY	6.53	Ordinary	5,375	5,375
30-Aug-21	Vanguard Investments Australia Ltd.	BUY	6.53	Ordinary	7,854	7,854
1-Sep-21	Vanguard Investments Australia Ltd.	BUY	6.59	Ordinary	14,247	14,247
1-Sep-21	Vanguard Investments Australia Ltd.	BUY	6.59	Ordinary	4,304	4,304
2-Sep-21	Vanguard Investments Australia Ltd.	BUY	6.39	Ordinary	9,024	9,024
3-Sep-21	Vanguard Investments Australia Ltd.	BUY	6.41	Ordinary	20,693	20,693
6-Sep-21	Vanguard Investments Australia Ltd.	BUY	6.44	Ordinary	11,830	11,830
6-Sep-21	Vanguard Investments Australia Ltd.	BUY	6.44	Ordinary	6,744	6,744
7-Sep-21	Vanguard Investments Australia Ltd.	BUY	6.34	Ordinary	4,352	4,352
8-Sep-21	Vanguard Investments Australia Ltd.	BUY	6.25	Ordinary	2,176	2,176
9-Sep-21	Vanguard Investments Australia Ltd.	SELL	6.16	Ordinary	(3,125)	(3,125)
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	6.16	Ordinary	4,352	4,352
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	6.16	Ordinary	7,840	7,840
15-Sep-21	Vanguard Investments Australia Ltd.	SELL	5.85	Ordinary	(6,806)	(6,806)
15-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.85	Ordinary	6,708	6,708
16-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.91	Ordinary	5,440	5,440
17-Sep-21	Vanguard Investments Australia Ltd.	SELL	5.54	Ordinary	(1,185)	(1,185)
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.33	Ordinary	5,435	5,435
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.33	Ordinary	7,854	7,854
21-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.52	Ordinary	3,261	3,261
23-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.98	Ordinary	9,571	9,571
28-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.68	Ordinary	6,732	6,732
29-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.87	Ordinary	9,738	9,738
29-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.87	Ordinary	2,810	2,810
30-Sep-21	Vanguard Investments Australia Ltd.	SELL	5.78	Ordinary	(35,564)	(35,564)
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.79	Ordinary	8,928	8,928
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.79	Ordinary	8,370	8,370

## 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
4-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	2,800	2,800
7-Oct-21	Vanguard Investments Australia Ltd.	BUY	6.11	Ordinary	12,698	12,698
8-Oct-21	Vanguard Investments Australia Ltd.	BUY	6.25	Ordinary	8,912	8,912
14-Oct-21	Vanguard Investments Australia Ltd.	BUY	6.01	Ordinary	6,360	6,360
15-Oct-21	Vanguard Investments Australia Ltd.	BUY	6.00	Ordinary	7,176	7,176
18-Oct-21	Vanguard Investments Australia Ltd.	SELL	6.02	Ordinary	(8,536)	(8,536)
21-Oct-21	Vanguard Investments Australia Ltd.	BUY	6.11	Ordinary	7,176	7,176
22-Oct-21	Vanguard Investments Australia Ltd.	BUY	6.08	Ordinary	6,360	6,360
27-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.79	Ordinary	13,780	13,780
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.72	Ordinary	8,055	8,055
1-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.65	Ordinary	2,670	2,670
2-Nov-21	Vanguard Investments Australia Ltd.	SELL	5.56	Ordinary	(30,666)	(30,666)
3-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.61	Ordinary	1,931	1,931
3-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.61	Ordinary	5,295	5,295
4-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.53	Ordinary	6,408	6,408
5-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	5.66	Ordinary	(2,912,231)	(2,912,231)
5-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.59	Ordinary	122,034	122,034

This is Annexure A of 20 pages referred to in Form 605, Notice of ceasing to be a substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 17 November 2021