

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

To Company Name/Scheme Ramelius Resources Limited
 ACN/ARSN 001 717 540

1. Details of substantial holder (1)

Name Vanguard Group (The Vanguard Group, Inc. and its controlled entities including Vanguard Investments Australia Ltd)
 ACN/ARSN (if applicable) N/A

The holder ceased to be a substantial holder on 5 November 2021

The previous notice was given to the company on 23 September 2020

The previous notice was dated 23 September 2020

2. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest (2) of the substantial holder or an associate (3) in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (4)	Consideration given in relation to change (5)	Class (6) and number of securities affected	Person's votes affected
Update to previous 605 form notice to include transactions not identified in previous notice See Annexure A					Vanguard Group now holds 4.657% of voting power

3. Changes in association

The persons who have become associates (3) of, ceased to be associates of, or have changed the nature of their association (7) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

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

4. Addresses

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

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

Signature

print name Shawn Acker capacity Compliance Manager

sign here  date 17 November 2021

To Company Ramelius Resources Limited

ACN/ARSN 001 717 540

Substantial Holder Name Vanguard Group

ACN/ARSN N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
23-Sep-2020	The Vanguard Group, Inc.	Buy	2.33	Ordinary	9,786	9,786
25-Sep-2020	The Vanguard Group, Inc.	Sell	2.06	Ordinary	(28,344)	(28,344)
25-Sep-2020	The Vanguard Group, Inc.	Sell	2.06	Ordinary	(23,620)	(23,620)
29-Sep-2020	The Vanguard Group, Inc.	Sell	2.07	Ordinary	(362,034)	(362,034)
29-Sep-2020	The Vanguard Group, Inc.	Buy	2.07	Ordinary	362,034	362,034
2-Oct-2020	The Vanguard Group, Inc.	Buy	2.07	Ordinary	7,872	7,872
6-Oct-2020	The Vanguard Group, Inc.	Sell	2.06	Ordinary	(47,240)	(47,240)
7-Oct-2020	The Vanguard Group, Inc.	Sell	2.10	Ordinary	(42,516)	(42,516)
8-Oct-2020	The Vanguard Group, Inc.	Sell	2.12	Ordinary	(23,620)	(23,620)
9-Oct-2020	The Vanguard Group, Inc.	Buy	2.20	Ordinary	17,056	17,056
9-Oct-2020	The Vanguard Group, Inc.	Buy	2.20	Ordinary	6,560	6,560
9-Oct-2020	The Vanguard Group, Inc.	Buy	2.20	Ordinary	15,360	15,360
20-Oct-2020	The Vanguard Group, Inc.	Sell	2.11	Ordinary	(8,642)	(8,642)
4-Nov-2020	The Vanguard Group, Inc.	Buy	2.06	Ordinary	25,246	25,246
13-Nov-2020	The Vanguard Group, Inc.	Sell	1.93	Ordinary	(9,234)	(9,234)
20-Nov-2020	The Vanguard Group, Inc.	Buy	1.80	Ordinary	22,474	22,474
24-Nov-2020	The Vanguard Group, Inc.	Buy	1.65	Ordinary	44,581	44,581
4-Dec-2020	The Vanguard Group, Inc.	Buy	1.79	Ordinary	1,524	1,524
8-Dec-2020	The Vanguard Group, Inc.	Buy	1.82	Ordinary	9,558	9,558
9-Dec-2020	The Vanguard Group, Inc.	Buy	1.76	Ordinary	3,186	3,186
15-Dec-2020	The Vanguard Group, Inc.	Buy	1.65	Ordinary	7,434	7,434
21-Dec-2020	The Vanguard Group, Inc.	Buy	1.76	Ordinary	13,851	13,851
21-Dec-2020	The Vanguard Group, Inc.	Buy	1.76	Ordinary	9,234	9,234
22-Dec-2020	The Vanguard Group, Inc.	Buy	1.65	Ordinary	5,310	5,310
29-Dec-2020	The Vanguard Group, Inc.	Buy	1.65	Ordinary	14,673	14,673
4-Jan-2021	The Vanguard Group, Inc.	Buy	1.72	Ordinary	80,076	80,076
6-Jan-2021	The Vanguard Group, Inc.	Buy	1.79	Ordinary	4,248	4,248
7-Jan-2021	The Vanguard Group, Inc.	Buy	1.77	Ordinary	14,022	14,022
7-Jan-2021	The Vanguard Group, Inc.	Buy	1.77	Ordinary	23,370	23,370
7-Jan-2021	The Vanguard Group, Inc.	Buy	1.77	Ordinary	19,116	19,116
8-Jan-2021	The Vanguard Group, Inc.	Buy	1.70	Ordinary	9,348	9,348
8-Jan-2021	The Vanguard Group, Inc.	Buy	1.70	Ordinary	15,504	15,504
12-Jan-2021	The Vanguard Group, Inc.	Buy	1.62	Ordinary	19,956	19,956
12-Jan-2021	The Vanguard Group, Inc.	Buy	1.62	Ordinary	3,186	3,186
12-Jan-2021	The Vanguard Group, Inc.	Buy	1.62	Ordinary	8,496	8,496
13-Jan-2021	The Vanguard Group, Inc.	Buy	1.61	Ordinary	9,044	9,044
21-Jan-2021	The Vanguard Group, Inc.	Buy	1.59	Ordinary	5,224	5,224
21-Jan-2021	The Vanguard Group, Inc.	Buy	1.59	Ordinary	9,558	9,558
25-Jan-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	11,754	11,754
28-Jan-2021	The Vanguard Group, Inc.	Buy	1.48	Ordinary	8,850	8,850
29-Jan-2021	The Vanguard Group, Inc.	Buy	1.52	Ordinary	8,850	8,850
29-Jan-2021	The Vanguard Group, Inc.	Buy	1.52	Ordinary	3,186	3,186
4-Feb-2021	The Vanguard Group, Inc.	Buy	1.46	Ordinary	9,642	9,642
10-Feb-2021	The Vanguard Group, Inc.	Buy	1.43	Ordinary	5,136	5,136
10-Feb-2021	The Vanguard Group, Inc.	Buy	1.43	Ordinary	4,248	4,248
10-Feb-2021	The Vanguard Group, Inc.	Buy	1.43	Ordinary	14,868	14,868
11-Feb-2021	The Vanguard Group, Inc.	Buy	1.42	Ordinary	13,696	13,696

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
11-Feb-2021	The Vanguard Group, Inc.	Buy	1.42	Ordinary	4,248	4,248
12-Feb-2021	The Vanguard Group, Inc.	Buy	1.43	Ordinary	15,408	15,408
12-Feb-2021	The Vanguard Group, Inc.	Buy	1.43	Ordinary	3,186	3,186
22-Feb-2021	The Vanguard Group, Inc.	Sell	1.34	Ordinary	(17,769)	(17,769)
23-Feb-2021	The Vanguard Group, Inc.	Buy	1.37	Ordinary	14,967	14,967
25-Feb-2021	The Vanguard Group, Inc.	Buy	1.22	Ordinary	54,879	54,879
26-Feb-2021	The Vanguard Group, Inc.	Buy	1.26	Ordinary	29,934	29,934
26-Feb-2021	The Vanguard Group, Inc.	Buy	1.26	Ordinary	89,802	89,802
1-Mar-2021	The Vanguard Group, Inc.	Buy	1.23	Ordinary	69,846	69,846
2-Mar-2021	The Vanguard Group, Inc.	Buy	1.22	Ordinary	49,890	49,890
4-Mar-2021	The Vanguard Group, Inc.	Buy	1.38	Ordinary	54,879	54,879
5-Mar-2021	The Vanguard Group, Inc.	Buy	1.39	Ordinary	39,912	39,912
5-Mar-2021	The Vanguard Group, Inc.	Buy	1.39	Ordinary	59,868	59,868
9-Mar-2021	The Vanguard Group, Inc.	Buy	1.43	Ordinary	59,868	59,868
9-Mar-2021	The Vanguard Group, Inc.	Buy	1.43	Ordinary	10,620	10,620
10-Mar-2021	The Vanguard Group, Inc.	Buy	1.59	Ordinary	49,890	49,890
15-Mar-2021	The Vanguard Group, Inc.	Buy	1.53	Ordinary	34,923	34,923
16-Mar-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	14,967	14,967
16-Mar-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	74,835	74,835
16-Mar-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	29,934	29,934
17-Mar-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	29,934	29,934
17-Mar-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	59,868	59,868
17-Mar-2021	The Vanguard Group, Inc.	Sell	1.51	Ordinary	(848)	(848)
19-Mar-2021	The Vanguard Group, Inc.	Buy	1.58	Ordinary	12,611	12,611
22-Mar-2021	The Vanguard Group, Inc.	Buy	1.61	Ordinary	60,060	60,060
22-Mar-2021	The Vanguard Group, Inc.	Buy	1.61	Ordinary	27,720	27,720
23-Mar-2021	The Vanguard Group, Inc.	Buy	1.60	Ordinary	817	817
1-Apr-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	18,480	18,480
7-Apr-2021	The Vanguard Group, Inc.	Buy	1.62	Ordinary	13,860	13,860
13-Apr-2021	The Vanguard Group, Inc.	Buy	1.65	Ordinary	13,860	13,860
15-Apr-2021	The Vanguard Group, Inc.	Buy	1.74	Ordinary	4,232	4,232
19-Apr-2021	The Vanguard Group, Inc.	Sell	1.79	Ordinary	(793)	(793)
23-Apr-2021	The Vanguard Group, Inc.	Buy	1.82	Ordinary	13,860	13,860
23-Apr-2021	The Vanguard Group, Inc.	Buy	1.82	Ordinary	281,144	281,144
26-Apr-2021	The Vanguard Group, Inc.	Buy	1.79	Ordinary	27,720	27,720
26-Apr-2021	The Vanguard Group, Inc.	Buy	1.79	Ordinary	27,720	27,720
26-Apr-2021	The Vanguard Group, Inc.	Buy	1.79	Ordinary	4,232	4,232
27-Apr-2021	The Vanguard Group, Inc.	Buy	1.79	Ordinary	165,562	165,562
27-Apr-2021	The Vanguard Group, Inc.	Sell	1.79	Ordinary	(840)	(840)
6-May-2021	The Vanguard Group, Inc.	Buy	1.72	Ordinary	146,253	146,253
7-May-2021	The Vanguard Group, Inc.	Buy	1.83	Ordinary	4,232	4,232
7-May-2021	The Vanguard Group, Inc.	Sell	1.81	Ordinary	(1,831)	(1,831)
13-May-2021	The Vanguard Group, Inc.	Sell	1.77	Ordinary	(11,638)	(11,638)
27-May-2021	The Vanguard Group, Inc.	Buy	1.97	Ordinary	14,439	14,439
18-Jun-2021	The Vanguard Group, Inc.	Buy	1.74	Ordinary	106,031	106,031
18-Jun-2021	The Vanguard Group, Inc.	Sell	1.75	Ordinary	(76,335)	(76,335)
18-Jun-2021	The Vanguard Group, Inc.	Buy	1.74	Ordinary	140,499	140,499
18-Jun-2021	The Vanguard Group, Inc.	Buy	1.74	Ordinary	10,251	10,251
18-Jun-2021	The Vanguard Group, Inc.	Buy	1.74	Ordinary	42,140	42,140
18-Jun-2021	The Vanguard Group, Inc.	Buy	1.74	Ordinary	1,178	1,178
14-Jul-2021	The Vanguard Group, Inc.	Buy	1.76	Ordinary	234,103	234,103
20-Jul-2021	The Vanguard Group, Inc.	Buy	1.72	Ordinary	4,505	4,505
22-Jul-2021	The Vanguard Group, Inc.	Sell	1.75	Ordinary	(5,480)	(5,480)
28-Jul-2021	The Vanguard Group, Inc.	Buy	1.63	Ordinary	27,030	27,030
29-Jul-2021	The Vanguard Group, Inc.	Buy	1.65	Ordinary	8,768	8,768

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
2-Aug-2021	The Vanguard Group, Inc.	Buy	1.77	Ordinary	5,480	5,480
5-Aug-2021	The Vanguard Group, Inc.	Buy	1.77	Ordinary	22,525	22,525
11-Aug-2021	The Vanguard Group, Inc.	Buy	1.50	Ordinary	334,886	334,886
17-Aug-2021	The Vanguard Group, Inc.	Buy	1.51	Ordinary	13,515	13,515
18-Aug-2021	The Vanguard Group, Inc.	Buy	1.54	Ordinary	176,446	176,446
19-Aug-2021	The Vanguard Group, Inc.	Buy	1.52	Ordinary	10,960	10,960
23-Aug-2021	The Vanguard Group, Inc.	Buy	1.55	Ordinary	4,384	4,384
23-Aug-2021	The Vanguard Group, Inc.	Buy	1.55	Ordinary	6,576	6,576
26-Aug-2021	The Vanguard Group, Inc.	Buy	1.52	Ordinary	9,010	9,010
1-Sep-2021	The Vanguard Group, Inc.	Buy	1.56	Ordinary	13,515	13,515
29-Oct-2021	The Vanguard Group, Inc.	Sell	1.59	Ordinary	(6,685)	(6,685)
5-Nov-2021	The Vanguard Group, Inc.	Buy	1.66	Ordinary	165,645	165,645
21-Sep-2020	Vanguard Investments Australia Ltd.	Buy	2.36	Ordinary	2,688	2,688
24-Sep-2020	Vanguard Investments Australia Ltd.	Sell	2.02	Ordinary	(12,232)	(12,232)
24-Sep-2020	Vanguard Investments Australia Ltd.	Buy	2.02	Ordinary	8,299	8,299
25-Sep-2020	Vanguard Investments Australia Ltd.	Buy	2.05	Ordinary	9,270	9,270
28-Sep-2020	Vanguard Investments Australia Ltd.	Buy	2.08	Ordinary	9,177	9,177
29-Sep-2020	Vanguard Investments Australia Ltd.	Buy	2.07	Ordinary	2,802	2,802
30-Sep-2020	Vanguard Investments Australia Ltd.	Buy	2.07	Ordinary	9,390	9,390
2-Oct-2020	Vanguard Investments Australia Ltd.	Buy	2.06	Ordinary	47,847	47,847
5-Oct-2020	Vanguard Investments Australia Ltd.	Buy	2.05	Ordinary	14,100	14,100
6-Oct-2020	Vanguard Investments Australia Ltd.	Buy	2.10	Ordinary	9,420	9,420
7-Oct-2020	Vanguard Investments Australia Ltd.	Buy	2.09	Ordinary	9,177	9,177
12-Oct-2020	Vanguard Investments Australia Ltd.	Buy	2.20	Ordinary	1,476	1,476
13-Oct-2020	Vanguard Investments Australia Ltd.	Buy	2.22	Ordinary	9,450	9,450
19-Oct-2020	Vanguard Investments Australia Ltd.	Sell	2.19	Ordinary	(47,787)	(47,787)
20-Oct-2020	Vanguard Investments Australia Ltd.	Buy	2.11	Ordinary	54,093	54,093
23-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.99	Ordinary	9,530	9,530
27-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.92	Ordinary	56,512	56,512
27-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.92	Ordinary	12,240	12,240
28-Oct-2020	Vanguard Investments Australia Ltd.	Buy	2.06	Ordinary	9,620	9,620
29-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.96	Ordinary	7,470	7,470
30-Oct-2020	Vanguard Investments Australia Ltd.	Buy	1.93	Ordinary	9,180	9,180
3-Nov-2020	Vanguard Investments Australia Ltd.	Buy	2.06	Ordinary	9,720	9,720
4-Nov-2020	Vanguard Investments Australia Ltd.	Buy	2.04	Ordinary	14,490	14,490
4-Nov-2020	Vanguard Investments Australia Ltd.	Buy	2.04	Ordinary	7,183	7,183
5-Nov-2020	Vanguard Investments Australia Ltd.	Buy	2.06	Ordinary	1,920	1,920
6-Nov-2020	Vanguard Investments Australia Ltd.	Buy	2.15	Ordinary	45,170	45,170
10-Nov-2020	Vanguard Investments Australia Ltd.	Buy	2.03	Ordinary	16,286	16,286
11-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.92	Ordinary	9,183	9,183
13-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.92	Ordinary	16,915	16,915
13-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.92	Ordinary	52,735	52,735
17-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.82	Ordinary	9,990	9,990
17-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.82	Ordinary	6,122	6,122
20-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.80	Ordinary	1,496	1,496
20-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.80	Ordinary	2,992	2,992
23-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.77	Ordinary	12,240	12,240
25-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.70	Ordinary	30,073	30,073
26-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	131,813	131,813
26-Nov-2020	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	9,189	9,189
30-Nov-2020	Vanguard Investments Australia Ltd.	Sell	1.69	Ordinary	(25,578)	(25,578)
1-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	15,375	15,375
2-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.77	Ordinary	16,592	16,592
3-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.81	Ordinary	124,264	124,264
3-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.81	Ordinary	748	748

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
4-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.75	Ordinary	10,240	10,240
8-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.82	Ordinary	5,958	5,958
11-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.70	Ordinary	13,078	13,078
11-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.70	Ordinary	2,241	2,241
14-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.68	Ordinary	8,922	8,922
15-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.64	Ordinary	10,100	10,100
16-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.69	Ordinary	10,150	10,150
17-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	13,273	13,273
18-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.69	Ordinary	5,946	5,946
22-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.66	Ordinary	20,280	20,280
29-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.65	Ordinary	5,936	5,936
30-Dec-2020	Vanguard Investments Australia Ltd.	Buy	1.63	Ordinary	8,904	8,904
31-Dec-2020	Vanguard Investments Australia Ltd.	Sell	1.69	Ordinary	(27,639)	(27,639)
4-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.78	Ordinary	10,400	10,400
6-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.77	Ordinary	12,276	12,276
11-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.59	Ordinary	8,826	8,826
14-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.58	Ordinary	16,960	16,960
19-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.56	Ordinary	5,410	5,410
20-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.59	Ordinary	8,826	8,826
20-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.59	Ordinary	1,522	1,522
28-Jan-2021	Vanguard Investments Australia Ltd.	Buy	1.48	Ordinary	14,378	14,378
2-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	15,246	15,246
3-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	30,632	30,632
3-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.54	Ordinary	1,522	1,522
5-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.46	Ordinary	3,231	3,231
5-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.46	Ordinary	8,109	8,109
8-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.46	Ordinary	8,958	8,958
8-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.46	Ordinary	11,944	11,944
10-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.44	Ordinary	14,183	14,183
11-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.43	Ordinary	7,651	7,651
16-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.39	Ordinary	8,961	8,961
22-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.33	Ordinary	11,410	11,410
26-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.28	Ordinary	11,390	11,390
26-Feb-2021	Vanguard Investments Australia Ltd.	Buy	1.28	Ordinary	8,958	8,958
3-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.37	Ordinary	23,160	23,160
5-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.37	Ordinary	10,960	10,960
8-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.43	Ordinary	2,301	2,301
9-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.43	Ordinary	3,156	3,156
10-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.57	Ordinary	12,564	12,564
15-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	13,195	13,195
17-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.52	Ordinary	10,370	10,370
17-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.52	Ordinary	8,940	8,940
29-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.59	Ordinary	5,958	5,958
30-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	11,759	11,759
30-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	13,897	13,897
31-Mar-2021	Vanguard Investments Australia Ltd.	Buy	1.48	Ordinary	1,590	1,590
1-Apr-2021	Vanguard Investments Australia Ltd.	In Specie	1.51	Ordinary	(1,446,364)	(1,446,364)
6-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.58	Ordinary	3,285	3,285
7-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.63	Ordinary	13,200	13,200
9-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	13,104	13,104
9-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	24,024	24,024
9-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	11,932	11,932
9-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	2,367	2,367
9-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	7,890	7,890
14-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	789	789

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
14-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	1,578	1,578
14-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	2,367	2,367
16-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	8,937	8,937
20-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.76	Ordinary	22,000	22,000
21-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.75	Ordinary	92,308	92,308
26-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.79	Ordinary	8,937	8,937
28-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.63	Ordinary	20,514	20,514
29-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	12,034	12,034
29-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	3,156	3,156
30-Apr-2021	Vanguard Investments Australia Ltd.	Buy	1.70	Ordinary	8,931	8,931
3-May-2021	Vanguard Investments Australia Ltd.	Buy	1.65	Ordinary	10,980	10,980
3-May-2021	Vanguard Investments Australia Ltd.	Buy	1.65	Ordinary	2,367	2,367
5-May-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	8,931	8,931
5-May-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	14,579	14,579
6-May-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	16,350	16,350
6-May-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	5,954	5,954
7-May-2021	Vanguard Investments Australia Ltd.	Buy	1.81	Ordinary	139,005	139,005
7-May-2021	Vanguard Investments Australia Ltd.	Buy	1.81	Ordinary	789	789
10-May-2021	Vanguard Investments Australia Ltd.	Buy	1.86	Ordinary	790	790
13-May-2021	Vanguard Investments Australia Ltd.	Buy	1.76	Ordinary	1,584	1,584
13-May-2021	Vanguard Investments Australia Ltd.	Buy	1.76	Ordinary	2,376	2,376
14-May-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	15,694	15,694
14-May-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	8,934	8,934
17-May-2021	Vanguard Investments Australia Ltd.	Buy	1.88	Ordinary	13,488	13,488
18-May-2021	Vanguard Investments Australia Ltd.	Buy	1.90	Ordinary	11,895	11,895
19-May-2021	Vanguard Investments Australia Ltd.	Buy	1.86	Ordinary	14,430	14,430
20-May-2021	Vanguard Investments Australia Ltd.	In Specie	1.94	Ordinary	(3,004,860)	(3,004,860)
20-May-2021	Vanguard Investments Australia Ltd.	Buy	1.94	Ordinary	11,884	11,884
20-May-2021	Vanguard Investments Australia Ltd.	Buy	1.94	Ordinary	2,379	2,379
21-May-2021	Vanguard Investments Australia Ltd.	Buy	1.89	Ordinary	22,480	22,480
21-May-2021	Vanguard Investments Australia Ltd.	Buy	1.89	Ordinary	793	793
21-May-2021	Vanguard Investments Australia Ltd.	Buy	1.89	Ordinary	5,551	5,551
25-May-2021	Vanguard Investments Australia Ltd.	Buy	1.94	Ordinary	13,572	13,572
26-May-2021	Vanguard Investments Australia Ltd.	Buy	1.97	Ordinary	792	792
27-May-2021	Vanguard Investments Australia Ltd.	Buy	1.97	Ordinary	22,959	22,959
27-May-2021	Vanguard Investments Australia Ltd.	Buy	1.97	Ordinary	19,276	19,276
27-May-2021	Vanguard Investments Australia Ltd.	Buy	1.97	Ordinary	11,888	11,888
3-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.95	Ordinary	793	793
8-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.87	Ordinary	14,112	14,112
9-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.83	Ordinary	14,028	14,028
15-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.85	Ordinary	11,940	11,940
15-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.85	Ordinary	793	793
18-Jun-2021	Vanguard Investments Australia Ltd.	Sell	1.75	Ordinary	(18,238)	(18,238)
22-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	4,640	4,640
22-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	11,600	11,600
23-Jun-2021	Vanguard Investments Australia Ltd.	In Specie	1.73	Ordinary	(643,190)	(643,190)
23-Jun-2021	Vanguard Investments Australia Ltd.	In Specie	1.73	Ordinary	(552,303)	(552,303)
23-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	1,500	1,500
24-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	1,500	1,500
28-Jun-2021	Vanguard Investments Australia Ltd.	Sell	1.74	Ordinary	(4,534)	(4,534)
29-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	14,028	14,028
29-Jun-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	12,040	12,040
30-Jun-2021	Vanguard Investments Australia Ltd.	Sell	1.69	Ordinary	(20,995)	(20,995)
1-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.77	Ordinary	10,855	10,855
2-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	5,940	5,940

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
2-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	2,250	2,250
7-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.67	Ordinary	16,604	16,604
9-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.65	Ordinary	16,632	16,632
9-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.65	Ordinary	20,196	20,196
9-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.65	Ordinary	11,704	11,704
12-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.68	Ordinary	16,973	16,973
12-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.68	Ordinary	5,647	5,647
13-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.68	Ordinary	3,004	3,004
13-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.68	Ordinary	6,008	6,008
19-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	5,845	5,845
20-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	14,184	14,184
20-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.73	Ordinary	8,814	8,814
22-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.74	Ordinary	6,248	6,248
23-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	14,328	14,328
27-Jul-2021	Vanguard Investments Australia Ltd.	In Specie	1.63	Ordinary	(750,281)	(750,281)
27-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.63	Ordinary	11,752	11,752
29-Jul-2021	Vanguard Investments Australia Ltd.	Buy	1.65	Ordinary	752	752
3-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	16,884	16,884
3-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.72	Ordinary	15,989	15,989
5-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.77	Ordinary	11,884	11,884
5-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.77	Ordinary	2,259	2,259
6-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.71	Ordinary	3,012	3,012
9-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.61	Ordinary	14,376	14,376
16-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.55	Ordinary	24,060	24,060
18-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.55	Ordinary	9,488	9,488
18-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.55	Ordinary	23,720	23,720
18-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.55	Ordinary	2,265	2,265
18-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.54	Ordinary	7,013	7,013
19-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	15,418	15,418
20-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.50	Ordinary	5,895	5,895
23-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	1,510	1,510
25-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.54	Ordinary	15,444	15,444
25-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.54	Ordinary	11,884	11,884
26-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	11,750	11,750
30-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.57	Ordinary	16,506	16,506
30-Aug-2021	Vanguard Investments Australia Ltd.	Buy	1.57	Ordinary	2,268	2,268
2-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.52	Ordinary	19,072	19,072
2-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.52	Ordinary	2,271	2,271
3-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.47	Ordinary	3,028	3,028
6-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.51	Ordinary	14,352	14,352
7-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.47	Ordinary	11,832	11,832
9-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.41	Ordinary	16,786	16,786
10-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.42	Ordinary	8,542	8,542
15-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.49	Ordinary	14,436	14,436
17-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.41	Ordinary	8,883	8,883
17-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.41	Ordinary	3,040	3,040
20-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.37	Ordinary	17,444	17,444
20-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.37	Ordinary	2,844	2,844
22-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.42	Ordinary	1,420	1,420
23-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.40	Ordinary	21,777	21,777
27-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.31	Ordinary	7,090	7,090
28-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.30	Ordinary	15,864	15,864
29-Sep-2021	Vanguard Investments Australia Ltd.	Buy	1.33	Ordinary	6,620	6,620
1-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.36	Ordinary	19,320	19,320
1-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.36	Ordinary	20,608	20,608

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
1-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.36	Ordinary	2,808	2,808
1-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.36	Ordinary	3,510	3,510
4-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.39	Ordinary	6,430	6,430
5-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.44	Ordinary	11,828	11,828
5-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.44	Ordinary	5,616	5,616
8-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.47	Ordinary	19,872	19,872
11-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.50	Ordinary	3,525	3,525
12-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	11,820	11,820
12-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	4,935	4,935
15-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.63	Ordinary	16,081	16,081
18-Oct-2021	Vanguard Investments Australia Ltd.	Sell	1.59	Ordinary	(26,458)	(26,458)
18-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.59	Ordinary	2,820	2,820
19-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.55	Ordinary	8,865	8,865
19-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.55	Ordinary	2,820	2,820
21-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.53	Ordinary	16,198	16,198
26-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.61	Ordinary	2,820	2,820
27-Oct-2021	Vanguard Investments Australia Ltd.	In Specie	1.58	Ordinary	(387,800)	(387,800)
29-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.59	Ordinary	18,450	18,450
29-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.59	Ordinary	11,816	11,816
29-Oct-2021	Vanguard Investments Australia Ltd.	Buy	1.59	Ordinary	2,820	2,820
1-Nov-2021	Vanguard Investments Australia Ltd.	Buy	1.59	Ordinary	6,160	6,160
2-Nov-2021	Vanguard Investments Australia Ltd.	Sell	1.60	Ordinary	(38,327)	(38,327)
4-Nov-2021	Vanguard Investments Australia Ltd.	Buy	1.62	Ordinary	15,096	15,096
5-Nov-2021	Vanguard Investments Australia Ltd.	In Specie	1.67	Ordinary	(3,781,724)	(3,781,724)
5-Nov-2021	Vanguard Investments Australia Ltd.	Buy	1.64	Ordinary	2,820	2,820

This is Annexure A of 7 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