

**Form 603**  
Corporations Act 2001  
Section 671B

**Notice of initial substantial holder**

To Company Name/Scheme CSR Limited

ACN/ARSN 000 001 276

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

Name Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those listed in Annexure A)

ACN/ARSN (if applicable) N/A

The holder became a substantial holder on 05 January 2022

**2. Details of voting power**

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
<b>Ordinary</b>	<b>24,280,701</b>	<b>24,280,701</b>	<b>5.002%</b>

**3. Details of relevant interests**

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
<b>Vanguard Group</b>	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	<b>Ordinary – 24,280,701</b>

**4. Details of present registered holders**

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
<b>Vanguard Group</b>	<b>Brown Brothers Harriman</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 572,605</b>
<b>Vanguard Group</b>	<b>BNY Mellon</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 1,551,549</b>
<b>Vanguard Group</b>	<b>JP Morgan Chase Bank, N.A.</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 18,257,170</b>
<b>Vanguard Group</b>	<b>State Street Bank and Trust Company</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 3,899,377</b>

**5. Consideration**

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)	Class and number of securities
<b>See Annexure A</b>			

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**6. Associates**

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

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

**7. 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

print name Shawn Acker capacity Compliance Manager

sign here  date 07 January 2022

## DIRECTIONS

- (1) If there are a number of substantial holders with similar or related interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 7 of the form.
  - (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
  - (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
  - (4) The voting shares of a company constitute one class unless divided into separate classes.
  - (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an Associate has a relevant interest in.
  - (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
  - (7) Include details of:
    - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
    - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).
- See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
  - (9) Details of the consideration must include any and all benefits, moneys and other, that any person from whom a relevant interest has acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder of its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

To Company	CSR Limited
ACN/ARSN	000 001 276
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
3-Sep-21	The Vanguard Group, Inc.	BUY	5.57	Ordinary	831	831
7-Sep-21	The Vanguard Group, Inc.	BUY	5.59	Ordinary	472	472
10-Sep-21	The Vanguard Group, Inc.	BUY	5.65	Ordinary	462	462
10-Sep-21	The Vanguard Group, Inc.	BUY	5.65	Ordinary	26,966	26,966
13-Sep-21	The Vanguard Group, Inc.	SELL	5.61	Ordinary	(2,757)	(2,757)
14-Sep-21	The Vanguard Group, Inc.	BUY	5.83	Ordinary	831	831
17-Sep-21	The Vanguard Group, Inc.	BUY	5.88	Ordinary	37,251	37,251
17-Sep-21	The Vanguard Group, Inc.	SELL	5.88	Ordinary	(7,369)	(7,369)
17-Sep-21	The Vanguard Group, Inc.	BUY	5.88	Ordinary	14,231	14,231
17-Sep-21	The Vanguard Group, Inc.	BUY	5.88	Ordinary	480	480
20-Sep-21	The Vanguard Group, Inc.	BUY	5.67	Ordinary	2,770	2,770
21-Sep-21	The Vanguard Group, Inc.	BUY	5.64	Ordinary	554	554
23-Sep-21	The Vanguard Group, Inc.	BUY	5.82	Ordinary	5,772	5,772
23-Sep-21	The Vanguard Group, Inc.	BUY	5.82	Ordinary	554	554
24-Sep-21	The Vanguard Group, Inc.	BUY	5.72	Ordinary	364	364
28-Sep-21	The Vanguard Group, Inc.	BUY	5.60	Ordinary	554	554
30-Sep-21	The Vanguard Group, Inc.	BUY	5.50	Ordinary	15,168	15,168
5-Oct-21	The Vanguard Group, Inc.	BUY	5.60	Ordinary	554	554
8-Oct-21	The Vanguard Group, Inc.	BUY	5.60	Ordinary	5,688	5,688
13-Oct-21	The Vanguard Group, Inc.	BUY	5.57	Ordinary	3,792	3,792
13-Oct-21	The Vanguard Group, Inc.	BUY	5.57	Ordinary	7,584	7,584
13-Oct-21	The Vanguard Group, Inc.	BUY	5.57	Ordinary	554	554
18-Oct-21	The Vanguard Group, Inc.	BUY	5.76	Ordinary	8,054	8,054
19-Oct-21	The Vanguard Group, Inc.	BUY	5.71	Ordinary	831	831
19-Oct-21	The Vanguard Group, Inc.	BUY	5.71	Ordinary	277	277
19-Oct-21	The Vanguard Group, Inc.	BUY	5.69	Ordinary	1,479	1,479
20-Oct-21	The Vanguard Group, Inc.	BUY	5.70	Ordinary	554	554
21-Oct-21	The Vanguard Group, Inc.	BUY	5.85	Ordinary	2,216	2,216
25-Oct-21	The Vanguard Group, Inc.	BUY	5.93	Ordinary	5,688	5,688
29-Oct-21	The Vanguard Group, Inc.	SELL	5.97	Ordinary	(3,485)	(3,485)
1-Nov-21	The Vanguard Group, Inc.	BUY	5.97	Ordinary	5,688	5,688
1-Nov-21	The Vanguard Group, Inc.	BUY	5.97	Ordinary	3,792	3,792
2-Nov-21	The Vanguard Group, Inc.	BUY	5.95	Ordinary	93,515	93,515
3-Nov-21	The Vanguard Group, Inc.	BUY	6.03	Ordinary	4,740	4,740
5-Nov-21	The Vanguard Group, Inc.	BUY	6.40	Ordinary	3,303	3,303
8-Nov-21	The Vanguard Group, Inc.	BUY	6.33	Ordinary	5,688	5,688
8-Nov-21	The Vanguard Group, Inc.	BUY	6.33	Ordinary	10,428	10,428
10-Nov-21	The Vanguard Group, Inc.	BUY	6.06	Ordinary	831	831
11-Nov-21	The Vanguard Group, Inc.	BUY	6.01	Ordinary	7,584	7,584
11-Nov-21	The Vanguard Group, Inc.	BUY	6.01	Ordinary	3,792	3,792
11-Nov-21	The Vanguard Group, Inc.	BUY	6.01	Ordinary	4,879	4,879
11-Nov-21	The Vanguard Group, Inc.	BUY	6.01	Ordinary	12,546	12,546
11-Nov-21	The Vanguard Group, Inc.	BUY	6.01	Ordinary	2,091	2,091
11-Nov-21	The Vanguard Group, Inc.	BUY	6.01	Ordinary	6,273	6,273
11-Nov-21	The Vanguard Group, Inc.	BUY	6.01	Ordinary	554	554
11-Nov-21	The Vanguard Group, Inc.	BUY	6.01	Ordinary	554	554
19-Nov-21	The Vanguard Group, Inc.	BUY	6.02	Ordinary	4,740	4,740
23-Nov-21	The Vanguard Group, Inc.	BUY	6.11	Ordinary	3,792	3,792
24-Nov-21	The Vanguard Group, Inc.	BUY	6.03	Ordinary	554	554
24-Nov-21	The Vanguard Group, Inc.	BUY	6.03	Ordinary	554	554
26-Nov-21	The Vanguard Group, Inc.	BUY	5.88	Ordinary	6,636	6,636
29-Nov-21	The Vanguard Group, Inc.	BUY	5.87	Ordinary	5,688	5,688
30-Nov-21	The Vanguard Group, Inc.	BUY	5.80	Ordinary	5,688	5,688
30-Nov-21	The Vanguard Group, Inc.	BUY	5.80	Ordinary	7,584	7,584
30-Nov-21	The Vanguard Group, Inc.	BUY	5.80	Ordinary	9,480	9,480
30-Nov-21	The Vanguard Group, Inc.	BUY	5.80	Ordinary	2,091	2,091
1-Dec-21	The Vanguard Group, Inc.	BUY	5.69	Ordinary	14,220	14,220
7-Dec-21	The Vanguard Group, Inc.	BUY	5.95	Ordinary	5,688	5,688
7-Dec-21	The Vanguard Group, Inc.	BUY	5.95	Ordinary	5,688	5,688
8-Dec-21	The Vanguard Group, Inc.	BUY	5.90	Ordinary	893	893
8-Dec-21	The Vanguard Group, Inc.	BUY	5.90	Ordinary	448	448
8-Dec-21	The Vanguard Group, Inc.	IN SPECIE	5.90	Ordinary	(10,891)	(10,891)
8-Dec-21	The Vanguard Group, Inc.	IN SPECIE	5.90	Ordinary	(4,423)	(4,423)
10-Dec-21	The Vanguard Group, Inc.	BUY	5.88	Ordinary	9,480	9,480
14-Dec-21	The Vanguard Group, Inc.	BUY	5.87	Ordinary	14,220	14,220
16-Dec-21	The Vanguard Group, Inc.	BUY	5.77	Ordinary	997	997
17-Dec-21	The Vanguard Group, Inc.	SELL	5.78	Ordinary	(47,327)	(47,327)
17-Dec-21	The Vanguard Group, Inc.	BUY	5.76	Ordinary	831	831

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
17-Dec-21	The Vanguard Group, Inc.	BUY	5.78	Ordinary	493	493
21-Dec-21	The Vanguard Group, Inc.	BUY	5.80	Ordinary	3,792	3,792
21-Dec-21	The Vanguard Group, Inc.	BUY	5.80	Ordinary	13,272	13,272
21-Dec-21	The Vanguard Group, Inc.	BUY	5.79	Ordinary	887	887
22-Dec-21	The Vanguard Group, Inc.	BUY	5.85	Ordinary	3,792	3,792
23-Dec-21	The Vanguard Group, Inc.	BUY	5.88	Ordinary	1,108	1,108
28-Dec-21	The Vanguard Group, Inc.	BUY	5.93	Ordinary	5,640	5,640
28-Dec-21	The Vanguard Group, Inc.	BUY	5.93	Ordinary	3,760	3,760
29-Dec-21	The Vanguard Group, Inc.	BUY	6.00	Ordinary	4,700	4,700
29-Dec-21	The Vanguard Group, Inc.	BUY	5.99	Ordinary	104,569	104,569
30-Dec-21	The Vanguard Group, Inc.	BUY	5.99	Ordinary	4,700	4,700
3-Jan-22	The Vanguard Group, Inc.	BUY	5.90	Ordinary	3,760	3,760
4-Jan-22	The Vanguard Group, Inc.	BUY	6.03	Ordinary	23,392	23,392
5-Jan-22	The Vanguard Group, Inc.	BUY	6.07	Ordinary	3,760	3,760
5-Jan-22	The Vanguard Group, Inc.	BUY	6.07	Ordinary	5,640	5,640
5-Jan-22	The Vanguard Group, Inc.	BUY	6.07	Ordinary	4,700	4,700
5-Jan-22	The Vanguard Group, Inc.	BUY	6.07	Ordinary	554	554
5-Jan-22	The Vanguard Group, Inc.	BUY	6.12	Ordinary	888	888
6-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.51	Ordinary	6,288	6,288
6-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.51	Ordinary	13,590	13,590
7-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.59	Ordinary	7,056	7,056
7-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.59	Ordinary	3,392	3,392
8-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.56	Ordinary	1,696	1,696
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.48	Ordinary	7,308	7,308
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.48	Ordinary	3,392	3,392
10-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.65	Ordinary	2,655	2,655
15-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.82	Ordinary	6,168	6,168
15-Sep-21	Vanguard Investments Australia Ltd.	SELL	5.82	Ordinary	(1,816)	(1,816)
16-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.96	Ordinary	4,240	4,240
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.88	Ordinary	5,295	5,295
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.88	Ordinary	1,472	1,472
17-Sep-21	Vanguard Investments Australia Ltd.	SELL	5.88	Ordinary	(2,264)	(2,264)
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.72	Ordinary	7,518	7,518
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.72	Ordinary	4,240	4,240
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.72	Ordinary	1,476	1,476
21-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.66	Ordinary	2,544	2,544
22-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.76	Ordinary	2,116	2,116
22-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.76	Ordinary	736	736
23-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.80	Ordinary	9,350	9,350
24-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.72	Ordinary	3,770	3,770
27-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.76	Ordinary	3,680	3,680
28-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.67	Ordinary	6,684	6,684
29-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.59	Ordinary	2,785	2,785
29-Sep-21	Vanguard Investments Australia Ltd.	BUY	5.59	Ordinary	7,596	7,596
30-Sep-21	Vanguard Investments Australia Ltd.	SELL	5.59	Ordinary	(29,669)	(29,669)
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.55	Ordinary	8,864	8,864
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.55	Ordinary	8,310	8,310
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.55	Ordinary	1,820	1,820
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.55	Ordinary	1,456	1,456
4-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.58	Ordinary	2,755	2,755
5-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.57	Ordinary	7,052	7,052
5-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.57	Ordinary	2,912	2,912
8-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.61	Ordinary	8,688	8,688
11-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.51	Ordinary	1,830	1,830
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.54	Ordinary	7,048	7,048
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.54	Ordinary	2,392	2,392
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.54	Ordinary	2,562	2,562
14-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.58	Ordinary	4,962	4,962
15-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.58	Ordinary	6,968	6,968
18-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.76	Ordinary	1,464	1,464
18-Oct-21	Vanguard Investments Australia Ltd.	SELL	5.58	Ordinary	(8,409)	(8,409)
19-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.69	Ordinary	5,286	5,286
19-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.69	Ordinary	1,464	1,464
21-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.83	Ordinary	6,838	6,838
22-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	4,962	4,962
26-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.92	Ordinary	1,464	1,464
27-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.89	Ordinary	10,751	10,751
27-Oct-21	Vanguard Investments Australia Ltd.	IN SPECIE	5.89	Ordinary	(237,081)	(237,081)
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.93	Ordinary	7,770	7,770
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.93	Ordinary	7,044	7,044
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	5.93	Ordinary	1,464	1,464
1-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.96	Ordinary	2,575	2,575
1-Nov-21	Vanguard Investments Australia Ltd.	SELL	5.96	Ordinary	(3,171)	(3,171)
2-Nov-21	Vanguard Investments Australia Ltd.	SELL	5.96	Ordinary	(23,839)	(23,839)
3-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.00	Ordinary	4,130	4,130

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
3-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.00	Ordinary	943	943
4-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.28	Ordinary	6,216	6,216
5-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.30	Ordinary	2,302	2,302
5-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.30	Ordinary	1,464	1,464
5-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	6.35	Ordinary	(2,264,899)	(2,264,899)
9-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.06	Ordinary	5,687	5,687
10-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	30,162	30,162
10-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	5,280	5,280
10-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.07	Ordinary	4,974	4,974
11-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.99	Ordinary	1,464	1,464
17-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.92	Ordinary	5,250	5,250
17-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.92	Ordinary	4,986	4,986
18-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.92	Ordinary	1,578	1,578
18-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.92	Ordinary	16,892	16,892
18-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.92	Ordinary	2,569	2,569
19-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.05	Ordinary	5,831	5,831
19-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.05	Ordinary	2,202	2,202
22-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.06	Ordinary	2,202	2,202
23-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	5,270	5,270
23-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.10	Ordinary	2,108	2,108
24-Nov-21	Vanguard Investments Australia Ltd.	BUY	6.02	Ordinary	6,324	6,324
25-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.96	Ordinary	4,165	4,165
25-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	5.96	Ordinary	(126,184)	(126,184)
25-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	5.96	Ordinary	(329,679)	(329,679)
26-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.94	Ordinary	5,280	5,280
29-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.85	Ordinary	7,132	7,132
30-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.85	Ordinary	6,360	6,360
30-Nov-21	Vanguard Investments Australia Ltd.	SELL	5.85	Ordinary	(13,558)	(13,558)
30-Nov-21	Vanguard Investments Australia Ltd.	BUY	5.85	Ordinary	4,165	4,165
2-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.81	Ordinary	8,055	8,055
2-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.81	Ordinary	3,434	3,434
6-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.95	Ordinary	4,165	4,165
7-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	6,288	6,288
7-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	2,202	2,202
8-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	5,190	5,190
8-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	10,514	10,514
9-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	5,145	5,145
10-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.87	Ordinary	6,204	6,204
13-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.83	Ordinary	4,165	4,165
13-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.83	Ordinary	9,163	9,163
14-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.90	Ordinary	2,569	2,569
16-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.77	Ordinary	6,312	6,312
16-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.77	Ordinary	6,838	6,838
16-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.77	Ordinary	2,499	2,499
17-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.78	Ordinary	4,165	4,165
17-Dec-21	Vanguard Investments Australia Ltd.	SELL	5.78	Ordinary	(138,737)	(138,737)
20-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.78	Ordinary	1,948	1,948
20-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.78	Ordinary	5,142	5,142
22-Dec-21	Vanguard Investments Australia Ltd.	SELL	5.82	Ordinary	(5,999)	(5,999)
22-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.82	Ordinary	3,670	3,670
23-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.85	Ordinary	4,790	4,790
24-Dec-21	Vanguard Investments Australia Ltd.	BUY	5.89	Ordinary	11,918	11,918
29-Dec-21	Vanguard Investments Australia Ltd.	BUY	6.00	Ordinary	3,845	3,845
31-Dec-21	Vanguard Investments Australia Ltd.	SELL	5.88	Ordinary	(9,537)	(9,537)
4-Jan-22	Vanguard Investments Australia Ltd.	BUY	6.08	Ordinary	4,660	4,660
4-Jan-22	Vanguard Investments Australia Ltd.	BUY	6.08	Ordinary	3,820	3,820

This is Annexure A of 3 pages referred to in Form 603, Notice of initial substantial holder.

Signature:



Name: Shawn Acker

Capacity: Compliance Manager

Date: 07 January 2022