

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme ILUKA Resources Limited
ACN/ARSN 008 675 018

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 13 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)
Ordinary	21,162,015	21,162,015	5.0004%

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
Vanguard Group	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.	Ordinary – 21,162,015

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
Vanguard Group	Brown Brothers Harriman	Various funds and other accounts of Vanguard Group	Ordinary – 524,333
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Ordinary – 1,229,440
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Ordinary – 16,057,327
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Ordinary – 3,350,715

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
See Annexure A			

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 18 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 or 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	ILUKA Resources Limited
ACN/ARSN	008 675 018
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
17-Sep-21	The Vanguard Group, Inc.	BUY	9.45	Ordinary	7,804	7,804
17-Sep-21	The Vanguard Group, Inc.	SELL	9.47	Ordinary	(4,884)	(4,884)
17-Sep-21	The Vanguard Group, Inc.	BUY	9.45	Ordinary	271	271
17-Sep-21	The Vanguard Group, Inc.	SELL	9.47	Ordinary	(951)	(951)
20-Sep-21	The Vanguard Group, Inc.	SELL	9.45	Ordinary	(586)	(586)
20-Sep-21	The Vanguard Group, Inc.	SELL	9.45	Ordinary	(113)	(113)
22-Sep-21	The Vanguard Group, Inc.	BUY	9.06	Ordinary	118,256	118,256
23-Sep-21	The Vanguard Group, Inc.	BUY	9.24	Ordinary	3,942	3,942
30-Sep-21	The Vanguard Group, Inc.	BUY	8.90	Ordinary	10,400	10,400
6-Oct-21	The Vanguard Group, Inc.	BUY	8.63	Ordinary	265	265
8-Oct-21	The Vanguard Group, Inc.	BUY	9.04	Ordinary	3,900	3,900
12-Oct-21	The Vanguard Group, Inc.	BUY	9.29	Ordinary	43,081	43,081
13-Oct-21	The Vanguard Group, Inc.	BUY	9.11	Ordinary	2,600	2,600
13-Oct-21	The Vanguard Group, Inc.	BUY	9.11	Ordinary	5,200	5,200
19-Oct-21	The Vanguard Group, Inc.	BUY	9.66	Ordinary	259	259
22-Oct-21	The Vanguard Group, Inc.	BUY	9.43	Ordinary	762	762
25-Oct-21	The Vanguard Group, Inc.	BUY	9.58	Ordinary	3,900	3,900
28-Oct-21	The Vanguard Group, Inc.	BUY	9.39	Ordinary	253	253
29-Oct-21	The Vanguard Group, Inc.	BUY	9.40	Ordinary	253	253
29-Oct-21	The Vanguard Group, Inc.	SELL	9.48	Ordinary	(2,560)	(2,560)
1-Nov-21	The Vanguard Group, Inc.	BUY	9.32	Ordinary	3,900	3,900
1-Nov-21	The Vanguard Group, Inc.	BUY	9.32	Ordinary	2,600	2,600
1-Nov-21	The Vanguard Group, Inc.	BUY	9.27	Ordinary	3,897	3,897
3-Nov-21	The Vanguard Group, Inc.	BUY	8.94	Ordinary	4,632	4,632
3-Nov-21	The Vanguard Group, Inc.	BUY	9.03	Ordinary	3,250	3,250
8-Nov-21	The Vanguard Group, Inc.	BUY	9.05	Ordinary	3,900	3,900
8-Nov-21	The Vanguard Group, Inc.	BUY	9.05	Ordinary	7,150	7,150
11-Nov-21	The Vanguard Group, Inc.	BUY	8.98	Ordinary	5,200	5,200
11-Nov-21	The Vanguard Group, Inc.	BUY	8.98	Ordinary	2,600	2,600
11-Nov-21	The Vanguard Group, Inc.	BUY	8.98	Ordinary	9,216	9,216
11-Nov-21	The Vanguard Group, Inc.	BUY	8.98	Ordinary	3,584	3,584
11-Nov-21	The Vanguard Group, Inc.	BUY	8.98	Ordinary	1,536	1,536
11-Nov-21	The Vanguard Group, Inc.	BUY	8.98	Ordinary	4,608	4,608
16-Nov-21	The Vanguard Group, Inc.	SELL	8.95	Ordinary	(99,831)	(99,831)
17-Nov-21	The Vanguard Group, Inc.	BUY	8.40	Ordinary	287	287
18-Nov-21	The Vanguard Group, Inc.	BUY	8.19	Ordinary	2,632	2,632
19-Nov-21	The Vanguard Group, Inc.	BUY	8.44	Ordinary	3,250	3,250
23-Nov-21	The Vanguard Group, Inc.	BUY	8.52	Ordinary	2,600	2,600
26-Nov-21	The Vanguard Group, Inc.	BUY	8.30	Ordinary	309	309
26-Nov-21	The Vanguard Group, Inc.	BUY	8.17	Ordinary	4,550	4,550
29-Nov-21	The Vanguard Group, Inc.	BUY	8.42	Ordinary	3,900	3,900
30-Nov-21	The Vanguard Group, Inc.	BUY	8.53	Ordinary	3,900	3,900
30-Nov-21	The Vanguard Group, Inc.	BUY	8.53	Ordinary	5,200	5,200
30-Nov-21	The Vanguard Group, Inc.	BUY	8.53	Ordinary	6,500	6,500
30-Nov-21	The Vanguard Group, Inc.	BUY	8.53	Ordinary	1,536	1,536
1-Dec-21	The Vanguard Group, Inc.	BUY	8.80	Ordinary	313	313
1-Dec-21	The Vanguard Group, Inc.	BUY	8.57	Ordinary	9,750	9,750
6-Dec-21	The Vanguard Group, Inc.	BUY	8.76	Ordinary	48,721	48,721
7-Dec-21	The Vanguard Group, Inc.	BUY	8.85	Ordinary	3,900	3,900
7-Dec-21	The Vanguard Group, Inc.	BUY	8.85	Ordinary	3,900	3,900
8-Dec-21	The Vanguard Group, Inc.	BUY	8.82	Ordinary	783	783
8-Dec-21	The Vanguard Group, Inc.	BUY	8.82	Ordinary	303	303
8-Dec-21	The Vanguard Group, Inc.	IN SPECIE	8.82	Ordinary	(5,238)	(5,238)
10-Dec-21	The Vanguard Group, Inc.	BUY	9.47	Ordinary	6,500	6,500
14-Dec-21	The Vanguard Group, Inc.	BUY	9.96	Ordinary	9,750	9,750
16-Dec-21	The Vanguard Group, Inc.	BUY	9.93	Ordinary	844	844
17-Dec-21	The Vanguard Group, Inc.	SELL	10.04	Ordinary	(5,329)	(5,329)
17-Dec-21	The Vanguard Group, Inc.	SELL	10.04	Ordinary	(24,061)	(24,061)
17-Dec-21	The Vanguard Group, Inc.	SELL	10.04	Ordinary	(1,162)	(1,162)
20-Dec-21	The Vanguard Group, Inc.	SELL	10.00	Ordinary	(1,682)	(1,682)
20-Dec-21	The Vanguard Group, Inc.	SELL	10.00	Ordinary	(7,598)	(7,598)
20-Dec-21	The Vanguard Group, Inc.	SELL	10.00	Ordinary	(366)	(366)
21-Dec-21	The Vanguard Group, Inc.	BUY	9.96	Ordinary	765	765
21-Dec-21	The Vanguard Group, Inc.	SELL	9.88	Ordinary	(99,401)	(99,401)
21-Dec-21	The Vanguard Group, Inc.	BUY	10.02	Ordinary	2,600	2,600
21-Dec-21	The Vanguard Group, Inc.	BUY	10.02	Ordinary	9,100	9,100
22-Dec-21	The Vanguard Group, Inc.	BUY	10.03	Ordinary	2,600	2,600

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-Dec-21	The Vanguard Group, Inc.	BUY	9.81	Ordinary	1,120	1,120
28-Dec-21	The Vanguard Group, Inc.	BUY	9.86	Ordinary	3,816	3,816
28-Dec-21	The Vanguard Group, Inc.	BUY	9.86	Ordinary	2,544	2,544
29-Dec-21	The Vanguard Group, Inc.	BUY	10.23	Ordinary	3,180	3,180
30-Dec-21	The Vanguard Group, Inc.	BUY	10.23	Ordinary	3,180	3,180
3-Jan-22	The Vanguard Group, Inc.	BUY	10.10	Ordinary	2,560	2,560
5-Jan-22	The Vanguard Group, Inc.	BUY	10.54	Ordinary	766	766
5-Jan-22	The Vanguard Group, Inc.	BUY	10.39	Ordinary	2,560	2,560
5-Jan-22	The Vanguard Group, Inc.	BUY	10.39	Ordinary	3,840	3,840
5-Jan-22	The Vanguard Group, Inc.	BUY	10.39	Ordinary	3,200	3,200
6-Jan-22	The Vanguard Group, Inc.	BUY	10.34	Ordinary	4,419	4,419
6-Jan-22	The Vanguard Group, Inc.	BUY	10.34	Ordinary	260	260
7-Jan-22	The Vanguard Group, Inc.	BUY	10.43	Ordinary	5,670	5,670
7-Jan-22	The Vanguard Group, Inc.	BUY	10.43	Ordinary	5,040	5,040
11-Jan-22	The Vanguard Group, Inc.	BUY	10.99	Ordinary	13,420	13,420
11-Jan-22	The Vanguard Group, Inc.	BUY	10.99	Ordinary	3,050	3,050
11-Jan-22	The Vanguard Group, Inc.	BUY	10.99	Ordinary	3,660	3,660
11-Jan-22	The Vanguard Group, Inc.	BUY	10.99	Ordinary	1,916	1,916
11-Jan-22	The Vanguard Group, Inc.	BUY	10.99	Ordinary	12,933	12,933
12-Jan-22	The Vanguard Group, Inc.	BUY	10.99	Ordinary	5,490	5,490
12-Jan-22	The Vanguard Group, Inc.	BUY	10.99	Ordinary	3,800	3,800
13-Jan-22	The Vanguard Group, Inc.	BUY	11.09	Ordinary	42,210	42,210
15-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.18	Ordinary	5,280	5,280
15-Sep-21	Vanguard Investments Australia Ltd.	SELL	10.18	Ordinary	(2,705)	(2,705)
16-Sep-21	Vanguard Investments Australia Ltd.	BUY	10.36	Ordinary	1,835	1,835
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.45	Ordinary	4,614	4,614
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.45	Ordinary	1,576	1,576
17-Sep-21	Vanguard Investments Australia Ltd.	SELL	9.47	Ordinary	(6,293)	(6,293)
17-Sep-21	Vanguard Investments Australia Ltd.	SELL	9.47	Ordinary	(884)	(884)
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.15	Ordinary	6,062	6,062
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.15	Ordinary	1,830	1,830
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.15	Ordinary	1,476	1,476
21-Sep-21	Vanguard Investments Australia Ltd.	BUY	8.96	Ordinary	1,098	1,098
22-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.24	Ordinary	736	736
23-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.18	Ordinary	7,514	7,514
24-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.13	Ordinary	2,431	2,431
27-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.41	Ordinary	3,680	3,680
28-Sep-21	Vanguard Investments Australia Ltd.	BUY	9.10	Ordinary	5,484	5,484
29-Sep-21	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	2,275	2,275
29-Sep-21	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	3,285	3,285
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	8.77	Ordinary	7,328	7,328
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	8.77	Ordinary	6,870	6,870
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	8.77	Ordinary	1,820	1,820
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	8.77	Ordinary	1,456	1,456
4-Oct-21	Vanguard Investments Australia Ltd.	BUY	8.79	Ordinary	2,310	2,310
5-Oct-21	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	6,144	6,144
5-Oct-21	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	2,912	2,912
8-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.05	Ordinary	7,760	7,760
11-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.35	Ordinary	1,830	1,830
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.18	Ordinary	6,140	6,140
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.18	Ordinary	1,520	1,520
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.18	Ordinary	2,562	2,562
14-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.18	Ordinary	2,142	2,142
15-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.30	Ordinary	6,552	6,552
18-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.48	Ordinary	1,464	1,464
18-Oct-21	Vanguard Investments Australia Ltd.	SELL	9.48	Ordinary	(6,212)	(6,212)
19-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.66	Ordinary	4,605	4,605
19-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.66	Ordinary	1,464	1,464
21-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.68	Ordinary	6,747	6,747
22-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.43	Ordinary	2,142	2,142
26-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.41	Ordinary	1,464	1,464
27-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.45	Ordinary	4,641	4,641
27-Oct-21	Vanguard Investments Australia Ltd.	IN SPECIE	9.45	Ordinary	(202,512)	(202,512)
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.40	Ordinary	8,070	8,070
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.40	Ordinary	6,140	6,140
29-Oct-21	Vanguard Investments Australia Ltd.	BUY	9.40	Ordinary	1,464	1,464
1-Nov-21	Vanguard Investments Australia Ltd.	BUY	9.27	Ordinary	2,705	2,705
1-Nov-21	Vanguard Investments Australia Ltd.	SELL	9.27	Ordinary	(600)	(600)
2-Nov-21	Vanguard Investments Australia Ltd.	SELL	9.08	Ordinary	(20,465)	(20,465)
3-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.94	Ordinary	1,785	1,785
3-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.94	Ordinary	2,086	2,086
3-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.94	Ordinary	614	614
4-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.84	Ordinary	6,576	6,576
5-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.81	Ordinary	1,464	1,464

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
5-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	8.86	Ordinary	(1,983,358)	(1,983,358)
9-Nov-21	Vanguard Investments Australia Ltd.	BUY	9.10	Ordinary	6,039	6,039
10-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.84	Ordinary	26,693	26,693
10-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.84	Ordinary	4,599	4,599
10-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.84	Ordinary	2,148	2,148
11-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.93	Ordinary	1,464	1,464
17-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.40	Ordinary	5,450	5,450
17-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.40	Ordinary	2,154	2,154
18-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.44	Ordinary	1,641	1,641
18-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.44	Ordinary	2,569	2,569
19-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.56	Ordinary	2,520	2,520
19-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.56	Ordinary	2,202	2,202
22-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.45	Ordinary	2,202	2,202
23-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.50	Ordinary	5,380	5,380
23-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.50	Ordinary	2,152	2,152
24-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.55	Ordinary	6,456	6,456
25-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.59	Ordinary	1,800	1,800
25-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	8.59	Ordinary	(108,135)	(108,135)
25-Nov-21	Vanguard Investments Australia Ltd.	IN SPECIE	8.59	Ordinary	(283,872)	(283,872)
26-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.30	Ordinary	5,350	5,350
29-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.38	Ordinary	6,212	6,212
30-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.62	Ordinary	6,180	6,180
30-Nov-21	Vanguard Investments Australia Ltd.	SELL	8.62	Ordinary	(7,951)	(7,951)
30-Nov-21	Vanguard Investments Australia Ltd.	BUY	8.62	Ordinary	1,800	1,800
2-Dec-21	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	7,665	7,665
2-Dec-21	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	2,992	2,992
6-Dec-21	Vanguard Investments Australia Ltd.	BUY	8.80	Ordinary	1,800	1,800
7-Dec-21	Vanguard Investments Australia Ltd.	BUY	8.68	Ordinary	5,832	5,832
7-Dec-21	Vanguard Investments Australia Ltd.	BUY	8.68	Ordinary	2,202	2,202
8-Dec-21	Vanguard Investments Australia Ltd.	BUY	8.82	Ordinary	4,780	4,780
8-Dec-21	Vanguard Investments Australia Ltd.	BUY	8.82	Ordinary	7,147	7,147
9-Dec-21	Vanguard Investments Australia Ltd.	BUY	8.78	Ordinary	4,482	4,482
10-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.42	Ordinary	5,676	5,676
13-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.92	Ordinary	1,800	1,800
13-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.92	Ordinary	3,960	3,960
14-Dec-21	Vanguard Investments Australia Ltd.	BUY	10.02	Ordinary	2,569	2,569
16-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.93	Ordinary	5,424	5,424
16-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.93	Ordinary	5,876	5,876
16-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.93	Ordinary	1,080	1,080
17-Dec-21	Vanguard Investments Australia Ltd.	BUY	10.02	Ordinary	1,800	1,800
17-Dec-21	Vanguard Investments Australia Ltd.	SELL	10.04	Ordinary	(42,575)	(42,575)
17-Dec-21	Vanguard Investments Australia Ltd.	SELL	10.04	Ordinary	(20,589)	(20,589)
20-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.92	Ordinary	1,752	1,752
20-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.92	Ordinary	4,479	4,479
20-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.94	Ordinary	22,606	22,606
22-Dec-21	Vanguard Investments Australia Ltd.	SELL	9.83	Ordinary	(5,386)	(5,386)
22-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.83	Ordinary	3,610	3,610
23-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.81	Ordinary	4,350	4,350
24-Dec-21	Vanguard Investments Australia Ltd.	BUY	9.73	Ordinary	8,252	8,252
29-Dec-21	Vanguard Investments Australia Ltd.	BUY	10.18	Ordinary	1,660	1,660
31-Dec-21	Vanguard Investments Australia Ltd.	SELL	10.12	Ordinary	(10,034)	(10,034)
31-Dec-21	Vanguard Investments Australia Ltd.	SELL	10.12	Ordinary	(18,537)	(18,537)
4-Jan-22	Vanguard Investments Australia Ltd.	BUY	10.41	Ordinary	4,330	4,330
4-Jan-22	Vanguard Investments Australia Ltd.	BUY	10.41	Ordinary	1,650	1,650
6-Jan-22	Vanguard Investments Australia Ltd.	BUY	10.34	Ordinary	1,320	1,320
6-Jan-22	Vanguard Investments Australia Ltd.	BUY	10.34	Ordinary	1,436	1,436
7-Jan-22	Vanguard Investments Australia Ltd.	BUY	10.42	Ordinary	5,196	5,196
12-Jan-22	Vanguard Investments Australia Ltd.	BUY	10.90	Ordinary	5,172	5,172
13-Jan-22	Vanguard Investments Australia Ltd.	BUY	11.16	Ordinary	1,468	1,468

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: 18 January 2022