

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme Bank of Queensland Limited

ACN/ARSN 009 656 740

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 6 July 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	32,417,919	32,417,919	5.008%

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 – 32,417,919

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 – 854,410
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Ordinary – 2,228,930
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Ordinary – 24,025,484
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Ordinary – 5,309,095

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 8 July 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
ACN/ARSN Bank of Queensland Limited
009 656 740

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
7-Mar-22	The Vanguard Group, Inc.	SELL	7.61	Ordinary	(3,720)	(3,720)
7-Mar-22	The Vanguard Group, Inc.	BUY	7.61	Ordinary	1,444	1,444
9-Mar-22	The Vanguard Group, Inc.	BUY	7.69	Ordinary	15,312	15,312
9-Mar-22	The Vanguard Group, Inc.	BUY	7.69	Ordinary	1,444	1,444
10-Mar-22	The Vanguard Group, Inc.	BUY	7.94	Ordinary	327	327
10-Mar-22	The Vanguard Group, Inc.	SELL	7.91	Ordinary	(8,184)	(8,184)
11-Mar-22	The Vanguard Group, Inc.	BUY	7.89	Ordinary	330	330
11-Mar-22	The Vanguard Group, Inc.	BUY	7.89	Ordinary	722	722
14-Mar-22	The Vanguard Group, Inc.	SELL	8.01	Ordinary	(2,232)	(2,232)
15-Mar-22	The Vanguard Group, Inc.	BUY	8.14	Ordinary	317	317
15-Mar-22	The Vanguard Group, Inc.	BUY	8.19	Ordinary	1,083	1,083
17-Mar-22	The Vanguard Group, Inc.	BUY	8.31	Ordinary	634	634
18-Mar-22	The Vanguard Group, Inc.	SELL	8.41	Ordinary	(358)	(358)
18-Mar-22	The Vanguard Group, Inc.	SELL	8.41	Ordinary	(69,702)	(69,702)
18-Mar-22	The Vanguard Group, Inc.	SELL	8.41	Ordinary	(63,036)	(63,036)
22-Mar-22	The Vanguard Group, Inc.	BUY	8.35	Ordinary	367	367
24-Mar-22	The Vanguard Group, Inc.	BUY	8.43	Ordinary	322	322
24-Mar-22	The Vanguard Group, Inc.	BUY	8.47	Ordinary	1,278	1,278
24-Mar-22	The Vanguard Group, Inc.	BUY	8.47	Ordinary	730	730
25-Mar-22	The Vanguard Group, Inc.	BUY	8.41	Ordinary	308	308
29-Mar-22	The Vanguard Group, Inc.	BUY	8.60	Ordinary	620	620
31-Mar-22	The Vanguard Group, Inc.	BUY	8.68	Ordinary	1,600	1,600
31-Mar-22	The Vanguard Group, Inc.	BUY	8.68	Ordinary	800	800
31-Mar-22	The Vanguard Group, Inc.	BUY	8.61	Ordinary	3,828	3,828
31-Mar-22	The Vanguard Group, Inc.	BUY	8.61	Ordinary	1,800	1,800
1-Apr-22	The Vanguard Group, Inc.	BUY	8.50	Ordinary	311	311
1-Apr-22	The Vanguard Group, Inc.	BUY	8.50	Ordinary	12,355	12,355
1-Apr-22	The Vanguard Group, Inc.	BUY	8.56	Ordinary	46,193	46,193
5-Apr-22	The Vanguard Group, Inc.	BUY	8.30	Ordinary	592	592
5-Apr-22	The Vanguard Group, Inc.	BUY	8.25	Ordinary	1,278	1,278
6-Apr-22	The Vanguard Group, Inc.	BUY	8.45	Ordinary	4,265	4,265
6-Apr-22	The Vanguard Group, Inc.	BUY	8.45	Ordinary	1,464	1,464
8-Apr-22	The Vanguard Group, Inc.	BUY	8.40	Ordinary	65,523	65,523
8-Apr-22	The Vanguard Group, Inc.	BUY	8.43	Ordinary	5,154	5,154
8-Apr-22	The Vanguard Group, Inc.	BUY	8.43	Ordinary	1,532	1,532
11-Apr-22	The Vanguard Group, Inc.	BUY	8.44	Ordinary	318	318
12-Apr-22	The Vanguard Group, Inc.	BUY	8.49	Ordinary	630	630
12-Apr-22	The Vanguard Group, Inc.	BUY	8.46	Ordinary	5,130	5,130
12-Apr-22	The Vanguard Group, Inc.	BUY	8.46	Ordinary	8,550	8,550
12-Apr-22	The Vanguard Group, Inc.	BUY	8.46	Ordinary	766	766
13-Apr-22	The Vanguard Group, Inc.	BUY	8.53	Ordinary	248	248
19-Apr-22	The Vanguard Group, Inc.	BUY	7.94	Ordinary	318	318
19-Apr-22	The Vanguard Group, Inc.	SELL	8.00	Ordinary	(2,784)	(2,784)
19-Apr-22	The Vanguard Group, Inc.	BUY	8.00	Ordinary	1,532	1,532
20-Apr-22	The Vanguard Group, Inc.	BUY	8.00	Ordinary	320	320
20-Apr-22	The Vanguard Group, Inc.	BUY	8.04	Ordinary	57,720	57,720
20-Apr-22	The Vanguard Group, Inc.	BUY	8.01	Ordinary	764	764
22-Apr-22	The Vanguard Group, Inc.	BUY	7.96	Ordinary	652	652
26-Apr-22	The Vanguard Group, Inc.	BUY	7.92	Ordinary	646	646
26-Apr-22	The Vanguard Group, Inc.	BUY	7.92	Ordinary	1,288	1,288
26-Apr-22	The Vanguard Group, Inc.	BUY	7.95	Ordinary	35,118	35,118
26-Apr-22	The Vanguard Group, Inc.	BUY	7.95	Ordinary	49,206	49,206
26-Apr-22	The Vanguard Group, Inc.	BUY	7.92	Ordinary	58,994	58,994
27-Apr-22	The Vanguard Group, Inc.	BUY	7.88	Ordinary	1,676	1,676
28-Apr-22	The Vanguard Group, Inc.	BUY	7.97	Ordinary	1,140	1,140
28-Apr-22	The Vanguard Group, Inc.	BUY	7.97	Ordinary	1,300	1,300
28-Apr-22	The Vanguard Group, Inc.	BUY	8.03	Ordinary	764	764
28-Apr-22	The Vanguard Group, Inc.	BUY	8.03	Ordinary	1,146	1,146
29-Apr-22	The Vanguard Group, Inc.	BUY	8.13	Ordinary	1,140	1,140
2-May-22	The Vanguard Group, Inc.	BUY	8.12	Ordinary	327	327
3-May-22	The Vanguard Group, Inc.	BUY	8.12	Ordinary	1,308	1,308

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-May-22	The Vanguard Group, Inc.	BUY	7.90	Ordinary	326	326
4-May-22	The Vanguard Group, Inc.	BUY	7.94	Ordinary	2,052	2,052
5-May-22	The Vanguard Group, Inc.	BUY	7.86	Ordinary	1,776	1,776
5-May-22	The Vanguard Group, Inc.	BUY	7.77	Ordinary	1,146	1,146
6-May-22	The Vanguard Group, Inc.	BUY	7.70	Ordinary	1,138	1,138
6-May-22	The Vanguard Group, Inc.	BUY	7.67	Ordinary	1,158	1,158
9-May-22	The Vanguard Group, Inc.	BUY	7.60	Ordinary	330	330
9-May-22	The Vanguard Group, Inc.	BUY	7.52	Ordinary	772	772
10-May-22	The Vanguard Group, Inc.	BUY	7.51	Ordinary	1,340	1,340
10-May-22	The Vanguard Group, Inc.	BUY	7.48	Ordinary	1,257	1,257
11-May-22	The Vanguard Group, Inc.	BUY	7.44	Ordinary	335	335
11-May-22	The Vanguard Group, Inc.	BUY	7.39	Ordinary	776	776
12-May-22	The Vanguard Group, Inc.	BUY	7.31	Ordinary	670	670
12-May-22	The Vanguard Group, Inc.	BUY	7.32	Ordinary	774	774
12-May-22	The Vanguard Group, Inc.	BUY	7.32	Ordinary	1,548	1,548
13-May-22	The Vanguard Group, Inc.	BUY	7.36	Ordinary	3,368	3,368
16-May-22	The Vanguard Group, Inc.	BUY	7.52	Ordinary	343	343
18-May-22	The Vanguard Group, Inc.	BUY	7.52	Ordinary	1,340	1,340
18-May-22	The Vanguard Group, Inc.	BUY	7.43	Ordinary	778	778
19-May-22	The Vanguard Group, Inc.	BUY	7.46	Ordinary	347	347
19-May-22	The Vanguard Group, Inc.	BUY	7.46	Ordinary	894	894
19-May-22	The Vanguard Group, Inc.	BUY	7.44	Ordinary	2,736	2,736
19-May-22	The Vanguard Group, Inc.	BUY	7.44	Ordinary	788	788
19-May-22	The Vanguard Group, Inc.	BUY	7.44	Ordinary	788	788
20-May-22	The Vanguard Group, Inc.	BUY	7.50	Ordinary	2,058	2,058
24-May-22	The Vanguard Group, Inc.	BUY	7.57	Ordinary	1,161	1,161
25-May-22	The Vanguard Group, Inc.	BUY	7.52	Ordinary	343	343
25-May-22	The Vanguard Group, Inc.	BUY	7.54	Ordinary	788	788
25-May-22	The Vanguard Group, Inc.	BUY	7.54	Ordinary	1,182	1,182
25-May-22	The Vanguard Group, Inc.	BUY	7.54	Ordinary	3,940	3,940
26-May-22	The Vanguard Group, Inc.	BUY	7.54	Ordinary	774	774
27-May-22	The Vanguard Group, Inc.	BUY	7.57	Ordinary	343	343
2-Jun-22	The Vanguard Group, Inc.	BUY	7.48	Ordinary	348	348
2-Jun-22	The Vanguard Group, Inc.	BUY	7.54	Ordinary	1,257	1,257
2-Jun-22	The Vanguard Group, Inc.	BUY	7.54	Ordinary	790	790
3-Jun-22	The Vanguard Group, Inc.	BUY	7.56	Ordinary	349	349
3-Jun-22	The Vanguard Group, Inc.	BUY	7.54	Ordinary	1,188	1,188
7-Jun-22	The Vanguard Group, Inc.	BUY	7.37	Ordinary	347	347
8-Jun-22	The Vanguard Group, Inc.	BUY	7.05	Ordinary	1,264	1,264
9-Jun-22	The Vanguard Group, Inc.	BUY	6.87	Ordinary	1,257	1,257
10-Jun-22	The Vanguard Group, Inc.	BUY	6.81	Ordinary	1,059	1,059
13-Jun-22	The Vanguard Group, Inc.	BUY	6.54	Ordinary	1,257	1,257
13-Jun-22	The Vanguard Group, Inc.	BUY	6.54	Ordinary	1,164	1,164
13-Jun-22	The Vanguard Group, Inc.	BUY	6.54	Ordinary	1,164	1,164
14-Jun-22	The Vanguard Group, Inc.	BUY	6.54	Ordinary	1,265	1,265
14-Jun-22	The Vanguard Group, Inc.	BUY	6.54	Ordinary	1,464	1,464
16-Jun-22	The Vanguard Group, Inc.	BUY	6.42	Ordinary	2,316	2,316
17-Jun-22	The Vanguard Group, Inc.	BUY	6.48	Ordinary	2,620	2,620
17-Jun-22	The Vanguard Group, Inc.	BUY	6.48	Ordinary	54,563	54,563
20-Jun-22	The Vanguard Group, Inc.	BUY	6.47	Ordinary	1,123	1,123
24-Jun-22	The Vanguard Group, Inc.	BUY	6.84	Ordinary	1,257	1,257
27-Jun-22	The Vanguard Group, Inc.	BUY	6.92	Ordinary	762	762
28-Jun-22	The Vanguard Group, Inc.	BUY	6.84	Ordinary	732	732
28-Jun-22	The Vanguard Group, Inc.	BUY	6.77	Ordinary	5,550	5,550
29-Jun-22	The Vanguard Group, Inc.	BUY	6.85	Ordinary	1,129	1,129
29-Jun-22	The Vanguard Group, Inc.	BUY	6.85	Ordinary	730	730
29-Jun-22	The Vanguard Group, Inc.	BUY	6.84	Ordinary	1,143	1,143
29-Jun-22	The Vanguard Group, Inc.	BUY	6.84	Ordinary	1,524	1,524
29-Jun-22	The Vanguard Group, Inc.	BUY	6.85	Ordinary	76,263	76,263
30-Jun-22	The Vanguard Group, Inc.	BUY	6.68	Ordinary	4,570	4,570
30-Jun-22	The Vanguard Group, Inc.	BUY	6.68	Ordinary	3,490	3,490
30-Jun-22	The Vanguard Group, Inc.	BUY	6.68	Ordinary	10,470	10,470
30-Jun-22	The Vanguard Group, Inc.	BUY	6.68	Ordinary	13,960	13,960
1-Jul-22	The Vanguard Group, Inc.	BUY	6.78	Ordinary	10,632	10,632
1-Jul-22	The Vanguard Group, Inc.	BUY	6.78	Ordinary	8,376	8,376
5-Jul-22	The Vanguard Group, Inc.	BUY	6.83	Ordinary	724	724
5-Jul-22	The Vanguard Group, Inc.	BUY	6.83	Ordinary	362	362
5-Jul-22	The Vanguard Group, Inc.	BUY	6.82	Ordinary	5,376	5,376

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-Jul-22	The Vanguard Group, Inc.	BUY	6.82	Ordinary	5,584	5,584
6-Jul-22	The Vanguard Group, Inc.	BUY	6.88	Ordinary	4,783	4,783
6-Jul-22	The Vanguard Group, Inc.	BUY	6.88	Ordinary	736	736
6-Jul-22	The Vanguard Group, Inc.	BUY	6.91	Ordinary	2,094	2,094
6-Jul-22	The Vanguard Group, Inc.	BUY	6.88	Ordinary	74,449	74,449
7-Mar-22	Vanguard Investments Australia Ltd.	BUY	7.61	Ordinary	6,765	6,765
9-Mar-22	Vanguard Investments Australia Ltd.	BUY	7.69	Ordinary	26,775	26,775
9-Mar-22	Vanguard Investments Australia Ltd.	BUY	7.69	Ordinary	8,415	8,415
10-Mar-22	Vanguard Investments Australia Ltd.	BUY	7.94	Ordinary	11,355	11,355
10-Mar-22	Vanguard Investments Australia Ltd.	BUY	7.94	Ordinary	16,654	16,654
10-Mar-22	Vanguard Investments Australia Ltd.	BUY	7.94	Ordinary	1,893	1,893
14-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.01	Ordinary	9,056	9,056
15-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.14	Ordinary	4,949	4,949
16-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.27	Ordinary	5,864	5,864
17-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.31	Ordinary	1,893	1,893
18-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.41	Ordinary	20,123	20,123
18-Mar-22	Vanguard Investments Australia Ltd.	SELL	8.41	Ordinary	(19,072)	(19,072)
21-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.33	Ordinary	6,798	6,798
21-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.33	Ordinary	1,899	1,899
21-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.33	Ordinary	19,623	19,623
22-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.35	Ordinary	1,652	1,652
29-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.60	Ordinary	1,268	1,268
29-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.60	Ordinary	1,239	1,239
29-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.60	Ordinary	5,782	5,782
30-Mar-22	Vanguard Investments Australia Ltd.	BUY	8.63	Ordinary	2,536	2,536
1-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.50	Ordinary	1,254	1,254
5-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.30	Ordinary	8,460	8,460
5-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.30	Ordinary	4,542	4,542
5-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.30	Ordinary	627	627
6-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.47	Ordinary	1,881	1,881
7-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.42	Ordinary	1,881	1,881
8-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.40	Ordinary	1,254	1,254
8-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.40	Ordinary	1,636	1,636
8-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.40	Ordinary	1,227	1,227
11-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.44	Ordinary	1,254	1,254
12-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.49	Ordinary	10,884	10,884
12-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.49	Ordinary	1,256	1,256
13-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.53	Ordinary	10,485	10,485
14-Apr-22	Vanguard Investments Australia Ltd.	BUY	7.99	Ordinary	4,560	4,560
20-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.00	Ordinary	1,256	1,256
21-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.05	Ordinary	1,256	1,256
22-Apr-22	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	6,730	6,730
22-Apr-22	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	1,884	1,884
26-Apr-22	Vanguard Investments Australia Ltd.	BUY	7.92	Ordinary	60,660	60,660
26-Apr-22	Vanguard Investments Australia Ltd.	BUY	7.92	Ordinary	4,560	4,560
26-Apr-22	Vanguard Investments Australia Ltd.	BUY	7.92	Ordinary	1,256	1,256
27-Apr-22	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	3,385	3,385
27-Apr-22	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	1,884	1,884
27-Apr-22	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	3,140	3,140
28-Apr-22	Vanguard Investments Australia Ltd.	BUY	7.97	Ordinary	6,740	6,740
29-Apr-22	Vanguard Investments Australia Ltd.	SELL	8.13	Ordinary	(59,399)	(59,399)
29-Apr-22	Vanguard Investments Australia Ltd.	BUY	8.13	Ordinary	2,512	2,512
4-May-22	Vanguard Investments Australia Ltd.	BUY	7.90	Ordinary	3,425	3,425
5-May-22	Vanguard Investments Australia Ltd.	BUY	7.86	Ordinary	10,230	10,230
6-May-22	Vanguard Investments Australia Ltd.	BUY	7.70	Ordinary	2,512	2,512
9-May-22	Vanguard Investments Australia Ltd.	BUY	7.60	Ordinary	2,049	2,049
9-May-22	Vanguard Investments Australia Ltd.	BUY	7.60	Ordinary	10,928	10,928
9-May-22	Vanguard Investments Australia Ltd.	BUY	7.60	Ordinary	4,562	4,562
10-May-22	Vanguard Investments Australia Ltd.	BUY	7.51	Ordinary	46,989	46,989
10-May-22	Vanguard Investments Australia Ltd.	BUY	7.51	Ordinary	6,810	6,810
11-May-22	Vanguard Investments Australia Ltd.	BUY	7.44	Ordinary	2,520	2,520
16-May-22	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	7,992	7,992
16-May-22	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	3,330	3,330
16-May-22	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	1,890	1,890
18-May-22	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	7,920	7,920
18-May-22	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	1,260	1,260
18-May-22	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	822	822
20-May-22	Vanguard Investments Australia Ltd.	BUY	7.50	Ordinary	7,956	7,956

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
20-May-22	Vanguard Investments Australia Ltd.	BUY	7.50	Ordinary	1,893	1,893
23-May-22	Vanguard Investments Australia Ltd.	BUY	7.49	Ordinary	411	411
24-May-22	Vanguard Investments Australia Ltd.	SELL	7.57	Ordinary	(12,924)	(12,924)
24-May-22	Vanguard Investments Australia Ltd.	BUY	7.57	Ordinary	631	631
25-May-22	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	631	631
30-May-22	Vanguard Investments Australia Ltd.	BUY	7.70	Ordinary	6,520	6,520
30-May-22	Vanguard Investments Australia Ltd.	BUY	7.70	Ordinary	2,524	2,524
31-May-22	Vanguard Investments Australia Ltd.	SELL	7.51	Ordinary	(57,192)	(57,192)
1-Jun-22	Vanguard Investments Australia Ltd.	BUY	7.56	Ordinary	8,076	8,076
1-Jun-22	Vanguard Investments Australia Ltd.	BUY	7.56	Ordinary	1,233	1,233
1-Jun-22	Vanguard Investments Australia Ltd.	SELL	7.56	Ordinary	(13,622)	(13,622)
3-Jun-22	Vanguard Investments Australia Ltd.	BUY	7.56	Ordinary	7,716	7,716
3-Jun-22	Vanguard Investments Australia Ltd.	BUY	7.56	Ordinary	2,524	2,524
7-Jun-22	Vanguard Investments Australia Ltd.	BUY	7.37	Ordinary	36,366	36,366
8-Jun-22	Vanguard Investments Australia Ltd.	BUY	7.05	Ordinary	7,632	7,632
8-Jun-22	Vanguard Investments Australia Ltd.	BUY	7.05	Ordinary	3,155	3,155
8-Jun-22	Vanguard Investments Australia Ltd.	BUY	7.05	Ordinary	1,262	1,262
9-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.92	Ordinary	2,161	2,161
10-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.81	Ordinary	12,920	12,920
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	9,750	9,750
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	5,200	5,200
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	3,250	3,250
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	2,161	2,161
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	2,524	2,524
14-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	1,893	1,893
16-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	2,161	2,161
16-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	3,175	3,175
16-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	635	635
17-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.48	Ordinary	8,437	8,437
17-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.48	Ordinary	4,322	4,322
17-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.48	Ordinary	77,419	77,419
17-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.48	Ordinary	1,905	1,905
22-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.68	Ordinary	2,004	2,004
23-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.73	Ordinary	6,790	6,790
23-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.73	Ordinary	4,753	4,753
23-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.73	Ordinary	3,395	3,395
23-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.73	Ordinary	2,672	2,672
24-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.75	Ordinary	2,672	2,672
27-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.93	Ordinary	4,711	4,711
28-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.84	Ordinary	3,410	3,410
28-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.84	Ordinary	6,820	6,820
28-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.84	Ordinary	5,456	5,456
28-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.84	Ordinary	3,410	3,410
28-Jun-22	Vanguard Investments Australia Ltd.	BUY	6.84	Ordinary	3,340	3,340
29-Jun-22	Vanguard Investments Australia Ltd.	SELL	6.85	Ordinary	(2,049)	(2,049)
30-Jun-22	Vanguard Investments Australia Ltd.	SELL	6.67	Ordinary	(34,850)	(34,850)
1-Jul-22	Vanguard Investments Australia Ltd.	BUY	6.70	Ordinary	6,650	6,650
1-Jul-22	Vanguard Investments Australia Ltd.	BUY	6.70	Ordinary	4,655	4,655
1-Jul-22	Vanguard Investments Australia Ltd.	BUY	6.70	Ordinary	5,320	5,320
4-Jul-22	Vanguard Investments Australia Ltd.	BUY	6.77	Ordinary	6,640	6,640
4-Jul-22	Vanguard Investments Australia Ltd.	BUY	6.77	Ordinary	3,275	3,275
4-Jul-22	Vanguard Investments Australia Ltd.	SELL	6.81	Ordinary	(4,247)	(4,247)
5-Jul-22	Vanguard Investments Australia Ltd.	BUY	6.83	Ordinary	4,158	4,158
6-Jul-22	Vanguard Investments Australia Ltd.	BUY	6.88	Ordinary	3,275	3,275

This is Annexure A of 4 pages referred to in Form 603, Notice of initial substantial holder.

Signature:



Name: Shawn Acker

Capacity: Compliance Manager

Date: 8 July 2022