

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**

To Company Name/Scheme Santos Limited
 ACN/ARSN 007 550 923

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 29 March 2023

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	165,560,037	165,560,037	5.015%
Note: Vanguard Group also holds 94,935 shares of Santos Limited ADR.			

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 – 165,560,037

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 accounts of Vanguard Group	Ordinary – 9,639,156
Vanguard Group	BNY Mellon	Various funds and accounts of Vanguard Group	Ordinary – 11,292,699
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and accounts of Vanguard Group	Ordinary – 117,953,096
Vanguard Group	State Street Bank and Trust Company	Various funds and accounts of Vanguard Group	Ordinary – 26,675,086

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 3 April 2023

To Company Santos Limited
ACN/ARSN 007 550 923

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
30-Nov-22	The Vanguard Group, Inc.	BUY	7.40	Ordinary	2,886	2,886
30-Nov-22	The Vanguard Group, Inc.	SELL	7.40	Ordinary	(70,075)	(70,075)
1-Dec-22	The Vanguard Group, Inc.	SELL	7.34	Ordinary	(11,356)	(11,356)
2-Dec-22	The Vanguard Group, Inc.	BUY	7.15	Ordinary	2,722	2,722
2-Dec-22	The Vanguard Group, Inc.	BUY	7.12	Ordinary	5,640	5,640
5-Dec-22	The Vanguard Group, Inc.	BUY	7.34	Ordinary	296	296
8-Dec-22	The Vanguard Group, Inc.	BUY	7.05	Ordinary	5,788	5,788
8-Dec-22	The Vanguard Group, Inc.	BUY	7.11	Ordinary	60,269	60,269
12-Dec-22	The Vanguard Group, Inc.	BUY	7.21	Ordinary	7,105	7,105
13-Dec-22	The Vanguard Group, Inc.	BUY	7.10	Ordinary	2,884	2,884
13-Dec-22	The Vanguard Group, Inc.	BUY	7.10	Ordinary	979	979
13-Dec-22	The Vanguard Group, Inc.	BUY	7.10	Ordinary	37,841	37,841
13-Dec-22	The Vanguard Group, Inc.	BUY	7.13	Ordinary	4,275	4,275
13-Dec-22	The Vanguard Group, Inc.	BUY	7.13	Ordinary	7,125	7,125
13-Dec-22	The Vanguard Group, Inc.	BUY	7.13	Ordinary	7,125	7,125
16-Dec-22	The Vanguard Group, Inc.	BUY	7.22	Ordinary	2,730	2,730
16-Dec-22	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(16,053)	(16,053)
16-Dec-22	The Vanguard Group, Inc.	BUY	7.22	Ordinary	1,482	1,482
16-Dec-22	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(274)	(274)
16-Dec-22	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(130,303)	(130,303)
16-Dec-22	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(140,975)	(140,975)
16-Dec-22	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(394,878)	(394,878)
16-Dec-22	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(62,561)	(62,561)
16-Dec-22	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(644,889)	(644,889)
16-Dec-22	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(251,924)	(251,924)
16-Dec-22	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(41,707)	(41,707)
16-Dec-22	The Vanguard Group, Inc.	SELL	7.22	Ordinary	(4,827)	(4,827)
19-Dec-22	The Vanguard Group, Inc.	SELL	7.21	Ordinary	(93,607)	(93,607)
21-Dec-22	The Vanguard Group, Inc.	BUY	7.32	Ordinary	2,776	2,776
21-Dec-22	The Vanguard Group, Inc.	BUY	7.32	Ordinary	2,828	2,828
21-Dec-22	The Vanguard Group, Inc.	BUY	7.32	Ordinary	55,096	55,096
23-Dec-22	The Vanguard Group, Inc.	BUY	7.20	Ordinary	1,331	1,331
28-Dec-22	The Vanguard Group, Inc.	BUY	7.30	Ordinary	6,640	6,640
28-Dec-22	The Vanguard Group, Inc.	BUY	7.30	Ordinary	39,936	39,936
29-Dec-22	The Vanguard Group, Inc.	BUY	7.09	Ordinary	2,652	2,652
29-Dec-22	The Vanguard Group, Inc.	BUY	7.09	Ordinary	5,322	5,322
29-Dec-22	The Vanguard Group, Inc.	BUY	7.14	Ordinary	19,968	19,968
3-Jan-23	The Vanguard Group, Inc.	SELL	7.08	Ordinary	(12,556)	(12,556)
4-Jan-23	The Vanguard Group, Inc.	BUY	6.96	Ordinary	1,378	1,378
4-Jan-23	The Vanguard Group, Inc.	BUY	6.96	Ordinary	2,756	2,756
4-Jan-23	The Vanguard Group, Inc.	BUY	6.94	Ordinary	11,332	11,332
4-Jan-23	The Vanguard Group, Inc.	SELL	6.99	Ordinary	(104,836)	(104,836)
5-Jan-23	The Vanguard Group, Inc.	BUY	6.90	Ordinary	18,539	18,539
5-Jan-23	The Vanguard Group, Inc.	BUY	6.87	Ordinary	19,927	19,927
5-Jan-23	The Vanguard Group, Inc.	BUY	6.87	Ordinary	4,715	4,715
6-Jan-23	The Vanguard Group, Inc.	BUY	7.02	Ordinary	2,826	2,826
6-Jan-23	The Vanguard Group, Inc.	BUY	7.07	Ordinary	19,968	19,968
6-Jan-23	The Vanguard Group, Inc.	BUY	7.07	Ordinary	8,499	8,499
6-Jan-23	The Vanguard Group, Inc.	SELL	6.98	Ordinary	(70,316)	(70,316)
6-Jan-23	The Vanguard Group, Inc.	SELL	6.98	Ordinary	(62,929)	(62,929)
9-Jan-23	The Vanguard Group, Inc.	BUY	7.11	Ordinary	6,072	6,072
10-Jan-23	The Vanguard Group, Inc.	BUY	7.05	Ordinary	1,381	1,381
10-Jan-23	The Vanguard Group, Inc.	BUY	7.05	Ordinary	2,856	2,856
11-Jan-23	The Vanguard Group, Inc.	BUY	7.06	Ordinary	4,149	4,149
11-Jan-23	The Vanguard Group, Inc.	BUY	7.06	Ordinary	4,281	4,281
11-Jan-23	The Vanguard Group, Inc.	SELL	7.06	Ordinary	(813)	(813)
12-Jan-23	The Vanguard Group, Inc.	SELL	7.14	Ordinary	(81,247)	(81,247)
12-Jan-23	The Vanguard Group, Inc.	SELL	7.13	Ordinary	(61,837)	(61,837)
13-Jan-23	The Vanguard Group, Inc.	BUY	7.30	Ordinary	1,344	1,344
16-Jan-23	The Vanguard Group, Inc.	BUY	7.30	Ordinary	4,989	4,989
16-Jan-23	The Vanguard Group, Inc.	BUY	7.30	Ordinary	6,224	6,224

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
17-Jan-23	The Vanguard Group, Inc.	BUY	7.38	Ordinary	1,328	1,328
19-Jan-23	The Vanguard Group, Inc.	BUY	7.24	Ordinary	2,766	2,766
19-Jan-23	The Vanguard Group, Inc.	BUY	7.24	Ordinary	10,636	10,636
19-Jan-23	The Vanguard Group, Inc.	BUY	7.24	Ordinary	2,852	2,852
20-Jan-23	The Vanguard Group, Inc.	BUY	7.43	Ordinary	16,640	16,640
20-Jan-23	The Vanguard Group, Inc.	SELL	7.35	Ordinary	(48,461)	(48,461)
20-Jan-23	The Vanguard Group, Inc.	SELL	7.34	Ordinary	(62,607)	(62,607)
20-Jan-23	The Vanguard Group, Inc.	SELL	7.35	Ordinary	(58,163)	(58,163)
20-Jan-23	The Vanguard Group, Inc.	SELL	7.34	Ordinary	(58,151)	(58,151)
24-Jan-23	The Vanguard Group, Inc.	BUY	7.36	Ordinary	2,858	2,858
24-Jan-23	The Vanguard Group, Inc.	BUY	7.36	Ordinary	4,287	4,287
24-Jan-23	The Vanguard Group, Inc.	BUY	7.34	Ordinary	116,153	116,153
27-Jan-23	The Vanguard Group, Inc.	SELL	7.24	Ordinary	(74,452)	(74,452)
30-Jan-23	The Vanguard Group, Inc.	BUY	7.17	Ordinary	73,563	73,563
30-Jan-23	The Vanguard Group, Inc.	BUY	7.24	Ordinary	7,356	7,356
31-Jan-23	The Vanguard Group, Inc.	BUY	7.11	Ordinary	9,942	9,942
1-Feb-23	The Vanguard Group, Inc.	BUY	7.04	Ordinary	1,464	1,464
1-Feb-23	The Vanguard Group, Inc.	BUY	7.04	Ordinary	25,938	25,938
1-Feb-23	The Vanguard Group, Inc.	BUY	7.19	Ordinary	3,824	3,824
2-Feb-23	The Vanguard Group, Inc.	BUY	6.93	Ordinary	39,552	39,552
2-Feb-23	The Vanguard Group, Inc.	SELL	6.97	Ordinary	(49,918)	(49,918)
3-Feb-23	The Vanguard Group, Inc.	BUY	6.99	Ordinary	1,398	1,398
3-Feb-23	The Vanguard Group, Inc.	BUY	6.99	Ordinary	62,375	62,375
3-Feb-23	The Vanguard Group, Inc.	BUY	6.99	Ordinary	5,048	5,048
3-Feb-23	The Vanguard Group, Inc.	BUY	6.99	Ordinary	2,856	2,856
3-Feb-23	The Vanguard Group, Inc.	SELL	6.92	Ordinary	(12,768)	(12,768)
3-Feb-23	The Vanguard Group, Inc.	SELL	6.92	Ordinary	(6,384)	(6,384)
3-Feb-23	The Vanguard Group, Inc.	SELL	6.92	Ordinary	(8,286)	(8,286)
3-Feb-23	The Vanguard Group, Inc.	SELL	6.92	Ordinary	(7,450)	(7,450)
6-Feb-23	The Vanguard Group, Inc.	BUY	7.01	Ordinary	28,800	28,800
7-Feb-23	The Vanguard Group, Inc.	BUY	7.05	Ordinary	1,446	1,446
7-Feb-23	The Vanguard Group, Inc.	BUY	7.05	Ordinary	23,040	23,040
7-Feb-23	The Vanguard Group, Inc.	BUY	7.05	Ordinary	13,309	13,309
8-Feb-23	The Vanguard Group, Inc.	BUY	7.03	Ordinary	1,497	1,497
9-Feb-23	The Vanguard Group, Inc.	BUY	6.97	Ordinary	19,968	19,968
10-Feb-23	The Vanguard Group, Inc.	BUY	6.95	Ordinary	1,416	1,416
15-Feb-23	The Vanguard Group, Inc.	BUY	7.06	Ordinary	2,380	2,380
15-Feb-23	The Vanguard Group, Inc.	BUY	7.02	Ordinary	19,968	19,968
16-Feb-23	The Vanguard Group, Inc.	BUY	7.01	Ordinary	5,236	5,236
17-Feb-23	The Vanguard Group, Inc.	BUY	6.85	Ordinary	3,402	3,402
17-Feb-23	The Vanguard Group, Inc.	BUY	6.85	Ordinary	7,130	7,130
17-Feb-23	The Vanguard Group, Inc.	BUY	6.94	Ordinary	62,709	62,709
20-Feb-23	The Vanguard Group, Inc.	BUY	6.77	Ordinary	2,525	2,525
20-Feb-23	The Vanguard Group, Inc.	BUY	6.83	Ordinary	5,948	5,948
21-Feb-23	The Vanguard Group, Inc.	BUY	6.81	Ordinary	3,339	3,339
21-Feb-23	The Vanguard Group, Inc.	BUY	6.81	Ordinary	3,339	3,339
21-Feb-23	The Vanguard Group, Inc.	BUY	6.73	Ordinary	19,968	19,968
22-Feb-23	The Vanguard Group, Inc.	BUY	7.02	Ordinary	1,916	1,916
22-Feb-23	The Vanguard Group, Inc.	BUY	7.02	Ordinary	23,097	23,097
23-Feb-23	The Vanguard Group, Inc.	BUY	6.93	Ordinary	2,882	2,882
23-Feb-23	The Vanguard Group, Inc.	BUY	6.98	Ordinary	8,322	8,322
24-Feb-23	The Vanguard Group, Inc.	BUY	7.01	Ordinary	1,473	1,473
24-Feb-23	The Vanguard Group, Inc.	BUY	7.01	Ordinary	1,326	1,326
27-Feb-23	The Vanguard Group, Inc.	SELL	6.89	Ordinary	(438)	(438)
27-Feb-23	The Vanguard Group, Inc.	BUY	6.96	Ordinary	19,968	19,968
27-Feb-23	The Vanguard Group, Inc.	BUY	6.96	Ordinary	8,322	8,322
28-Feb-23	The Vanguard Group, Inc.	SELL	7.00	Ordinary	(42,783)	(42,783)
1-Mar-23	The Vanguard Group, Inc.	BUY	7.06	Ordinary	1,473	1,473
1-Mar-23	The Vanguard Group, Inc.	BUY	7.18	Ordinary	16,640	16,640
1-Mar-23	The Vanguard Group, Inc.	BUY	7.18	Ordinary	33,280	33,280
1-Mar-23	The Vanguard Group, Inc.	BUY	7.18	Ordinary	22,232	22,232
1-Mar-23	The Vanguard Group, Inc.	BUY	7.02	Ordinary	65,168	65,168
2-Mar-23	The Vanguard Group, Inc.	BUY	7.11	Ordinary	27,775	27,775
2-Mar-23	The Vanguard Group, Inc.	BUY	7.11	Ordinary	5,050	5,050
2-Mar-23	The Vanguard Group, Inc.	BUY	7.11	Ordinary	20,174	20,174
2-Mar-23	The Vanguard Group, Inc.	BUY	7.11	Ordinary	58,075	58,075
3-Mar-23	The Vanguard Group, Inc.	BUY	7.20	Ordinary	10,451	10,451
6-Mar-23	The Vanguard Group, Inc.	BUY	7.14	Ordinary	2,525	2,525

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-23	The Vanguard Group, Inc.	BUY	7.33	Ordinary	1,473	1,473
7-Mar-23	The Vanguard Group, Inc.	BUY	7.33	Ordinary	8,738	8,738
8-Mar-23	The Vanguard Group, Inc.	BUY	7.40	Ordinary	13,312	13,312
9-Mar-23	The Vanguard Group, Inc.	BUY	7.40	Ordinary	60,865	60,865
10-Mar-23	The Vanguard Group, Inc.	SELL	7.20	Ordinary	(44,176)	(44,176)
13-Mar-23	The Vanguard Group, Inc.	BUY	7.24	Ordinary	3,437	3,437
13-Mar-23	The Vanguard Group, Inc.	BUY	7.24	Ordinary	1,892	1,892
13-Mar-23	The Vanguard Group, Inc.	SELL	7.15	Ordinary	(16,566)	(16,566)
14-Mar-23	The Vanguard Group, Inc.	BUY	7.11	Ordinary	3,437	3,437
15-Mar-23	The Vanguard Group, Inc.	BUY	7.17	Ordinary	1,326	1,326
15-Mar-23	The Vanguard Group, Inc.	BUY	7.17	Ordinary	424	424
15-Mar-23	The Vanguard Group, Inc.	SELL	6.95	Ordinary	(6,384)	(6,384)
15-Mar-23	The Vanguard Group, Inc.	SELL	6.95	Ordinary	(8,283)	(8,283)
15-Mar-23	The Vanguard Group, Inc.	SELL	6.95	Ordinary	(11,044)	(11,044)
16-Mar-23	The Vanguard Group, Inc.	BUY	6.82	Ordinary	3,928	3,928
17-Mar-23	The Vanguard Group, Inc.	BUY	6.93	Ordinary	5,017	5,017
17-Mar-23	The Vanguard Group, Inc.	BUY	6.93	Ordinary	18,081	18,081
17-Mar-23	The Vanguard Group, Inc.	BUY	6.93	Ordinary	360,577	360,577
17-Mar-23	The Vanguard Group, Inc.	BUY	6.93	Ordinary	1,266,830	1,266,830
20-Mar-23	The Vanguard Group, Inc.	BUY	6.74	Ordinary	2,208	2,208
20-Mar-23	The Vanguard Group, Inc.	BUY	6.83	Ordinary	547	547
20-Mar-23	The Vanguard Group, Inc.	BUY	6.74	Ordinary	441	441
22-Mar-23	The Vanguard Group, Inc.	BUY	6.99	Ordinary	4,880	4,880
22-Mar-23	The Vanguard Group, Inc.	SELL	6.99	Ordinary	(1,480)	(1,480)
24-Mar-23	The Vanguard Group, Inc.	BUY	6.85	Ordinary	752	752
24-Mar-23	The Vanguard Group, Inc.	BUY	6.85	Ordinary	78,113	78,113
24-Mar-23	The Vanguard Group, Inc.	BUY	6.85	Ordinary	33,881	33,881
27-Mar-23	The Vanguard Group, Inc.	SELL	6.74	Ordinary	(51,876)	(51,876)
27-Mar-23	The Vanguard Group, Inc.	BUY	6.86	Ordinary	3,412	3,412
28-Mar-23	The Vanguard Group, Inc.	BUY	6.95	Ordinary	669	669
29-Mar-23	The Vanguard Group, Inc.	SELL	7.02	Ordinary	(27,920)	(27,920)
29-Mar-23	The Vanguard Group, Inc.	BUY	6.99	Ordinary	84,661	84,661
2-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.15	Ordinary	4,304	4,304
5-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.34	Ordinary	66,500	66,500
7-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.17	Ordinary	4,306	4,306
7-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.17	Ordinary	6,459	6,459
8-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	8,608	8,608
12-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	26,720	26,720
13-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.10	Ordinary	26,720	26,720
13-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.10	Ordinary	40,080	40,080
14-Dec-22	Vanguard Investments Australia Ltd.	SELL	7.16	Ordinary	(77,488)	(77,488)
14-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.16	Ordinary	4,304	4,304
16-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	2,750,000	2,750,000
16-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	1,688,391	1,688,391
16-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	1,087,143	1,087,143
16-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	6,456	6,456
20-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.13	Ordinary	26,630	26,630
20-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.13	Ordinary	3,581	3,581
20-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	72,120	72,120
20-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.13	Ordinary	8,172	8,172
21-Dec-22	Vanguard Investments Australia Ltd.	SELL	7.32	Ordinary	(4,086)	(4,086)
22-Dec-22	Vanguard Investments Australia Ltd.	SELL	7.31	Ordinary	(47,934)	(47,934)
22-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.31	Ordinary	8,172	8,172
23-Dec-22	Vanguard Investments Australia Ltd.	SELL	7.20	Ordinary	(31,932)	(31,932)
23-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.20	Ordinary	8,172	8,172
23-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.20	Ordinary	8,172	8,172
28-Dec-22	Vanguard Investments Australia Ltd.	SELL	7.38	Ordinary	(93,100)	(93,100)
28-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.38	Ordinary	4,086	4,086
29-Dec-22	Vanguard Investments Australia Ltd.	BUY	7.09	Ordinary	8,180	8,180
30-Dec-22	Vanguard Investments Australia Ltd.	SELL	7.14	Ordinary	(107,400)	(107,400)
3-Jan-23	Vanguard Investments Australia Ltd.	BUY	7.08	Ordinary	65,950	65,950
3-Jan-23	Vanguard Investments Australia Ltd.	BUY	7.08	Ordinary	8,084	8,084
3-Jan-23	Vanguard Investments Australia Ltd.	BUY	7.08	Ordinary	12,126	12,126
5-Jan-23	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	12,126	12,126
13-Jan-23	Vanguard Investments Australia Ltd.	SELL	7.30	Ordinary	(39,360)	(39,360)
17-Jan-23	Vanguard Investments Australia Ltd.	BUY	7.38	Ordinary	8,088	8,088
18-Jan-23	Vanguard Investments Australia Ltd.	BUY	7.36	Ordinary	8,088	8,088
25-Jan-23	Vanguard Investments Australia Ltd.	BUY	7.24	Ordinary	3,550	3,550


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
30-Jan-23	Vanguard Investments Australia Ltd.	BUY	7.17	Ordinary	8,088	8,088
31-Jan-23	Vanguard Investments Australia Ltd.	SELL	7.11	Ordinary	(104,603)	(104,603)
31-Jan-23	Vanguard Investments Australia Ltd.	SELL	7.11	Ordinary	(28,512)	(28,512)
1-Feb-23	Vanguard Investments Australia Ltd.	SELL	7.04	Ordinary	(54,957)	(54,957)
2-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.93	Ordinary	3,550	3,550
2-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.93	Ordinary	12,129	12,129
3-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.99	Ordinary	52,220	52,220
3-Feb-23	Vanguard Investments Australia Ltd.	SELL	6.99	Ordinary	(41,776)	(41,776)
3-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.99	Ordinary	12,129	12,129
7-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.05	Ordinary	8,086	8,086
9-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.03	Ordinary	8,086	8,086
10-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.95	Ordinary	8,086	8,086
13-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.07	Ordinary	39,090	39,090
13-Feb-23	Vanguard Investments Australia Ltd.	SELL	7.07	Ordinary	(165,751)	(165,751)
13-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.07	Ordinary	20,215	20,215
15-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.06	Ordinary	12,132	12,132
16-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.01	Ordinary	20,225	20,225
16-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.01	Ordinary	12,135	12,135
17-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.85	Ordinary	41,808	41,808
20-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.77	Ordinary	3,552	3,552
20-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.77	Ordinary	12,147	12,147
21-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.81	Ordinary	39,135	39,135
21-Feb-23	Vanguard Investments Australia Ltd.	SELL	6.81	Ordinary	(156,540)	(156,540)
22-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.02	Ordinary	26,110	26,110
22-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.02	Ordinary	12,171	12,171
23-Feb-23	Vanguard Investments Australia Ltd.	SELL	6.93	Ordinary	(3,561)	(3,561)
23-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.93	Ordinary	16,236	16,236
24-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.01	Ordinary	3,563	3,563
24-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.01	Ordinary	3,563	3,563
27-Feb-23	Vanguard Investments Australia Ltd.	BUY	6.89	Ordinary	12,195	12,195
28-Feb-23	Vanguard Investments Australia Ltd.	SELL	7.00	Ordinary	(5,245)	(5,245)
28-Feb-23	Vanguard Investments Australia Ltd.	BUY	7.00	Ordinary	12,198	12,198
1-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.06	Ordinary	39,420	39,420
1-Mar-23	Vanguard Investments Australia Ltd.	SELL	7.06	Ordinary	(47,304)	(47,304)
2-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	12,222	12,222
2-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	12,222	12,222
3-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.20	Ordinary	34,502	34,502
6-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.14	Ordinary	8,154	8,154
7-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.33	Ordinary	8,156	8,156
7-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.33	Ordinary	12,234	12,234
9-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.40	Ordinary	6,654	6,654
9-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.38	Ordinary	27,654	27,654
10-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.20	Ordinary	40,275	40,275
10-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.20	Ordinary	24,666	24,666
13-Mar-23	Vanguard Investments Australia Ltd.	SELL	7.24	Ordinary	(29,557)	(29,557)
13-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.24	Ordinary	8,222	8,222
14-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	53,760	53,760
14-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	3,575	3,575
14-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	24,672	24,672
14-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.11	Ordinary	16,448	16,448
15-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.17	Ordinary	3,575	3,575
15-Mar-23	Vanguard Investments Australia Ltd.	BUY	7.17	Ordinary	12,336	12,336
16-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.82	Ordinary	53,800	53,800
16-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.82	Ordinary	16,448	16,448
17-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.93	Ordinary	150,699	150,699
17-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.93	Ordinary	12,336	12,336
20-Mar-23	Vanguard Investments Australia Ltd.	SELL	6.74	Ordinary	(69,914)	(69,914)
21-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.77	Ordinary	40,170	40,170
21-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.77	Ordinary	16,496	16,496
23-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.90	Ordinary	12,372	12,372
24-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.85	Ordinary	32,196	32,196
24-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.85	Ordinary	12,372	12,372
24-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.85	Ordinary	8,248	8,248
24-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.85	Ordinary	8,248	8,248
27-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.74	Ordinary	12,372	12,372
28-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.95	Ordinary	8,250	8,250
29-Mar-23	Vanguard Investments Australia Ltd.	BUY	6.99	Ordinary	4,125	4,125

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
----------------	--	---------------------	--	-------	-------------------------------	-------------------------

This is Annexure A of 5 pages referred to in Form 603, Notice of initial substantial holder.

Signature:  _____

Name: Shawn Acker _____

Capacity: Compliance Manager _____

Date: 3 April 2023 _____