

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme Whitehaven Coal Limited
ACN/ARSN 124 425 396

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 3 May 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	43,673,310	43,673,310	5.001%

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 – 43,673,310

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 – 1,204,746
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Ordinary – 2,824,797
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Ordinary – 32,724,796
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Ordinary – 6,918,971

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 May 2023

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 Whitehaven Coal Limited
 ACN/ARSN 124 425 396

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
4-Jan-2023	The Vanguard Group, Inc.	BUY	9.12	Ordinary	1,526	1,526
4-Jan-2023	The Vanguard Group, Inc.	BUY	9.17	Ordinary	3,044	3,044
4-Jan-2023	The Vanguard Group, Inc.	SELL	8.72	Ordinary	(39,160)	(39,160)
5-Jan-2023	The Vanguard Group, Inc.	BUY	8.98	Ordinary	4,773	4,773
5-Jan-2023	The Vanguard Group, Inc.	BUY	9.00	Ordinary	920	920
5-Jan-2023	The Vanguard Group, Inc.	BUY	9.00	Ordinary	920	920
6-Jan-2023	The Vanguard Group, Inc.	SELL	9.13	Ordinary	(9,994)	(9,994)
6-Jan-2023	The Vanguard Group, Inc.	BUY	9.25	Ordinary	5,538	5,538
6-Jan-2023	The Vanguard Group, Inc.	BUY	9.25	Ordinary	2,286	2,286
6-Jan-2023	The Vanguard Group, Inc.	BUY	9.25	Ordinary	1,380	1,380
9-Jan-2023	The Vanguard Group, Inc.	BUY	9.18	Ordinary	1,563	1,563
10-Jan-2023	The Vanguard Group, Inc.	BUY	9.07	Ordinary	742	742
11-Jan-2023	The Vanguard Group, Inc.	BUY	8.84	Ordinary	1,116	1,116
12-Jan-2023	The Vanguard Group, Inc.	SELL	8.52	Ordinary	(40,258)	(40,258)
12-Jan-2023	The Vanguard Group, Inc.	BUY	8.83	Ordinary	920	920
12-Jan-2023	The Vanguard Group, Inc.	BUY	8.83	Ordinary	920	920
13-Jan-2023	The Vanguard Group, Inc.	BUY	8.83	Ordinary	920	920
17-Jan-2023	The Vanguard Group, Inc.	BUY	8.78	Ordinary	4,600	4,600
18-Jan-2023	The Vanguard Group, Inc.	SELL	8.99	Ordinary	(291)	(291)
18-Jan-2023	The Vanguard Group, Inc.	BUY	8.86	Ordinary	14,686	14,686
19-Jan-2023	The Vanguard Group, Inc.	BUY	8.93	Ordinary	2,738	2,738
19-Jan-2023	The Vanguard Group, Inc.	BUY	8.93	Ordinary	746	746
20-Jan-2023	The Vanguard Group, Inc.	BUY	9.48	Ordinary	2,255	2,255
20-Jan-2023	The Vanguard Group, Inc.	BUY	9.48	Ordinary	4,650	4,650
20-Jan-2023	The Vanguard Group, Inc.	SELL	9.48	Ordinary	(39,673)	(39,673)
20-Jan-2023	The Vanguard Group, Inc.	SELL	9.39	Ordinary	(47,608)	(47,608)
20-Jan-2023	The Vanguard Group, Inc.	BUY	9.48	Ordinary	10,600	10,600
24-Jan-2023	The Vanguard Group, Inc.	BUY	9.17	Ordinary	1,122	1,122
24-Jan-2023	The Vanguard Group, Inc.	BUY	9.17	Ordinary	748	748
24-Jan-2023	The Vanguard Group, Inc.	BUY	9.16	Ordinary	1,380	1,380
25-Jan-2023	The Vanguard Group, Inc.	BUY	9.04	Ordinary	2,760	2,760
27-Jan-2023	The Vanguard Group, Inc.	SELL	8.44	Ordinary	(19,166)	(19,166)
27-Jan-2023	The Vanguard Group, Inc.	BUY	8.44	Ordinary	1,440	1,440
30-Jan-2023	The Vanguard Group, Inc.	BUY	8.53	Ordinary	5,167	5,167
1-Feb-2023	The Vanguard Group, Inc.	BUY	8.27	Ordinary	6,678	6,678
2-Feb-2023	The Vanguard Group, Inc.	BUY	8.17	Ordinary	10,070	10,070
2-Feb-2023	The Vanguard Group, Inc.	SELL	8.14	Ordinary	(15,827)	(15,827)
3-Feb-2023	The Vanguard Group, Inc.	BUY	8.22	Ordinary	1,300	1,300
3-Feb-2023	The Vanguard Group, Inc.	BUY	8.22	Ordinary	16,258	16,258
3-Feb-2023	The Vanguard Group, Inc.	BUY	8.22	Ordinary	748	748
3-Feb-2023	The Vanguard Group, Inc.	SELL	8.21	Ordinary	(4,152)	(4,152)
3-Feb-2023	The Vanguard Group, Inc.	SELL	8.21	Ordinary	(2,076)	(2,076)
3-Feb-2023	The Vanguard Group, Inc.	SELL	8.21	Ordinary	(2,298)	(2,298)
3-Feb-2023	The Vanguard Group, Inc.	SELL	8.21	Ordinary	(2,550)	(2,550)
3-Feb-2023	The Vanguard Group, Inc.	BUY	8.22	Ordinary	342	342
6-Feb-2023	The Vanguard Group, Inc.	BUY	8.46	Ordinary	7,410	7,410
7-Feb-2023	The Vanguard Group, Inc.	BUY	8.62	Ordinary	5,928	5,928
7-Feb-2023	The Vanguard Group, Inc.	BUY	8.62	Ordinary	5,369	5,369
7-Feb-2023	The Vanguard Group, Inc.	BUY	8.62	Ordinary	5,454	5,454
7-Feb-2023	The Vanguard Group, Inc.	BUY	8.62	Ordinary	55,324	55,324
9-Feb-2023	The Vanguard Group, Inc.	BUY	8.06	Ordinary	5,532	5,532
10-Feb-2023	The Vanguard Group, Inc.	BUY	7.74	Ordinary	18,237	18,237
13-Feb-2023	The Vanguard Group, Inc.	BUY	7.98	Ordinary	920	920
13-Feb-2023	The Vanguard Group, Inc.	BUY	7.98	Ordinary	1,380	1,380
14-Feb-2023	The Vanguard Group, Inc.	BUY	7.94	Ordinary	1,657	1,657
14-Feb-2023	The Vanguard Group, Inc.	BUY	7.94	Ordinary	25,300	25,300
15-Feb-2023	The Vanguard Group, Inc.	BUY	8.20	Ordinary	5,532	5,532
15-Feb-2023	The Vanguard Group, Inc.	BUY	8.20	Ordinary	920	920
17-Feb-2023	The Vanguard Group, Inc.	SELL	7.55	Ordinary	(15,386)	(15,386)
17-Feb-2023	The Vanguard Group, Inc.	BUY	7.57	Ordinary	1,840	1,840
17-Feb-2023	The Vanguard Group, Inc.	BUY	7.57	Ordinary	920	920
20-Feb-2023	The Vanguard Group, Inc.	BUY	7.50	Ordinary	650	650
21-Feb-2023	The Vanguard Group, Inc.	BUY	7.36	Ordinary	5,532	5,532
21-Feb-2023	The Vanguard Group, Inc.	BUY	7.36	Ordinary	1,840	1,840
21-Feb-2023	The Vanguard Group, Inc.	BUY	7.40	Ordinary	6,548	6,548

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
22-Feb-2023	The Vanguard Group, Inc.	BUY	7.51	Ordinary	4,441	4,441
22-Feb-2023	The Vanguard Group, Inc.	BUY	7.47	Ordinary	1,380	1,380
23-Feb-2023	The Vanguard Group, Inc.	BUY	7.36	Ordinary	746	746
23-Feb-2023	The Vanguard Group, Inc.	BUY	7.36	Ordinary	2,325	2,325
27-Feb-2023	The Vanguard Group, Inc.	BUY	7.31	Ordinary	5,532	5,532
27-Feb-2023	The Vanguard Group, Inc.	BUY	7.31	Ordinary	2,325	2,325
27-Feb-2023	The Vanguard Group, Inc.	SELL	7.23	Ordinary	(399)	(399)
28-Feb-2023	The Vanguard Group, Inc.	BUY	7.23	Ordinary	29,947	29,947
1-Mar-2023	The Vanguard Group, Inc.	SELL	7.15	Ordinary	(4,622)	(4,622)
1-Mar-2023	The Vanguard Group, Inc.	BUY	7.26	Ordinary	4,610	4,610
1-Mar-2023	The Vanguard Group, Inc.	BUY	7.26	Ordinary	9,220	9,220
1-Mar-2023	The Vanguard Group, Inc.	BUY	7.26	Ordinary	6,200	6,200
1-Mar-2023	The Vanguard Group, Inc.	BUY	7.26	Ordinary	1,380	1,380
2-Mar-2023	The Vanguard Group, Inc.	BUY	7.52	Ordinary	5,222	5,222
2-Mar-2023	The Vanguard Group, Inc.	BUY	7.52	Ordinary	7,150	7,150
2-Mar-2023	The Vanguard Group, Inc.	BUY	7.52	Ordinary	1,300	1,300
2-Mar-2023	The Vanguard Group, Inc.	BUY	7.52	Ordinary	14,950	14,950
3-Mar-2023	The Vanguard Group, Inc.	BUY	7.53	Ordinary	1,840	1,840
3-Mar-2023	The Vanguard Group, Inc.	BUY	7.49	Ordinary	410	410
6-Mar-2023	The Vanguard Group, Inc.	BUY	7.33	Ordinary	650	650
7-Mar-2023	The Vanguard Group, Inc.	BUY	7.31	Ordinary	6,375	6,375
8-Mar-2023	The Vanguard Group, Inc.	BUY	7.09	Ordinary	3,688	3,688
8-Mar-2023	The Vanguard Group, Inc.	BUY	7.03	Ordinary	10,187	10,187
10-Mar-2023	The Vanguard Group, Inc.	SELL	7.08	Ordinary	(12,480)	(12,480)
10-Mar-2023	The Vanguard Group, Inc.	BUY	7.08	Ordinary	920	920
13-Mar-2023	The Vanguard Group, Inc.	SELL	6.98	Ordinary	(4,680)	(4,680)
15-Mar-2023	The Vanguard Group, Inc.	SELL	6.76	Ordinary	(2,076)	(2,076)
15-Mar-2023	The Vanguard Group, Inc.	SELL	6.76	Ordinary	(2,337)	(2,337)
15-Mar-2023	The Vanguard Group, Inc.	SELL	6.76	Ordinary	(3,116)	(3,116)
16-Mar-2023	The Vanguard Group, Inc.	BUY	6.75	Ordinary	7,716	7,716
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(16,154)	(16,154)
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(25,636)	(25,636)
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(31,255)	(31,255)
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(225,516)	(225,516)
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(43,056)	(43,056)
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(183,355)	(183,355)
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(125,944)	(125,944)
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(30,149)	(30,149)
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(3,106)	(3,106)
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(4,036)	(4,036)
17-Mar-2023	The Vanguard Group, Inc.	SELL	6.67	Ordinary	(443)	(443)
20-Mar-2023	The Vanguard Group, Inc.	BUY	6.37	Ordinary	588	588
22-Mar-2023	The Vanguard Group, Inc.	SELL	6.73	Ordinary	(394)	(394)
22-Mar-2023	The Vanguard Group, Inc.	BUY	6.73	Ordinary	24,017	24,017
24-Mar-2023	The Vanguard Group, Inc.	SELL	6.48	Ordinary	(27,849)	(27,849)
27-Mar-2023	The Vanguard Group, Inc.	SELL	6.38	Ordinary	(22,757)	(22,757)
27-Mar-2023	The Vanguard Group, Inc.	BUY	6.45	Ordinary	856	856
29-Mar-2023	The Vanguard Group, Inc.	SELL	6.52	Ordinary	(7,750)	(7,750)
31-Mar-2023	The Vanguard Group, Inc.	SELL	6.73	Ordinary	(5,584)	(5,584)
5-Apr-2023	The Vanguard Group, Inc.	BUY	7.01	Ordinary	3,092	3,092
5-Apr-2023	The Vanguard Group, Inc.	BUY	7.01	Ordinary	4,080	4,080
5-Apr-2023	The Vanguard Group, Inc.	BUY	7.00	Ordinary	428	428
11-Apr-2023	The Vanguard Group, Inc.	BUY	6.99	Ordinary	1,284	1,284
12-Apr-2023	The Vanguard Group, Inc.	BUY	6.76	Ordinary	4,615	4,615
12-Apr-2023	The Vanguard Group, Inc.	BUY	6.76	Ordinary	3,570	3,570
13-Apr-2023	The Vanguard Group, Inc.	BUY	6.94	Ordinary	3,060	3,060
14-Apr-2023	The Vanguard Group, Inc.	SELL	6.84	Ordinary	(1,566)	(1,566)
17-Apr-2023	The Vanguard Group, Inc.	BUY	6.81	Ordinary	1,236	1,236
17-Apr-2023	The Vanguard Group, Inc.	BUY	6.81	Ordinary	394	394
17-Apr-2023	The Vanguard Group, Inc.	BUY	6.77	Ordinary	3,626	3,626
18-Apr-2023	The Vanguard Group, Inc.	SELL	6.90	Ordinary	(18,733)	(18,733)
18-Apr-2023	The Vanguard Group, Inc.	BUY	6.97	Ordinary	2,140	2,140
18-Apr-2023	The Vanguard Group, Inc.	SELL	6.90	Ordinary	(69,784)	(69,784)
19-Apr-2023	The Vanguard Group, Inc.	BUY	6.96	Ordinary	2,590	2,590
20-Apr-2023	The Vanguard Group, Inc.	BUY	6.97	Ordinary	591	591
20-Apr-2023	The Vanguard Group, Inc.	BUY	6.95	Ordinary	9,416	9,416
20-Apr-2023	The Vanguard Group, Inc.	SELL	7.00	Ordinary	(8,747)	(8,747)
21-Apr-2023	The Vanguard Group, Inc.	BUY	7.38	Ordinary	1,244	1,244
21-Apr-2023	The Vanguard Group, Inc.	BUY	7.38	Ordinary	26,275	26,275
21-Apr-2023	The Vanguard Group, Inc.	BUY	7.38	Ordinary	64,298	64,298
24-Apr-2023	The Vanguard Group, Inc.	BUY	7.25	Ordinary	2,769	2,769
25-Apr-2023	The Vanguard Group, Inc.	BUY	7.18	Ordinary	1,284	1,284

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
26-Apr-2023	The Vanguard Group, Inc.	BUY	7.15	Ordinary	856	856
27-Apr-2023	The Vanguard Group, Inc.	BUY	7.29	Ordinary	1,576	1,576
27-Apr-2023	The Vanguard Group, Inc.	BUY	7.29	Ordinary	591	591
2-May-2023	The Vanguard Group, Inc.	SELL	7.17	Ordinary	(4,146)	(4,146)
2-May-2023	The Vanguard Group, Inc.	BUY	7.17	Ordinary	13,311	13,311
3-May-2023	The Vanguard Group, Inc.	BUY	7.18	Ordinary	4,655	4,655
5-Jan-2023	Vanguard Investments Australia Ltd.	BUY	8.98	Ordinary	3,120	3,120
13-Jan-2023	Vanguard Investments Australia Ltd.	SELL	8.76	Ordinary	(12,330)	(12,330)
17-Jan-2023	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	8,709	8,709
17-Jan-2023	Vanguard Investments Australia Ltd.	BUY	8.74	Ordinary	2,082	2,082
18-Jan-2023	Vanguard Investments Australia Ltd.	BUY	8.99	Ordinary	2,082	2,082
20-Jan-2023	Vanguard Investments Australia Ltd.	SELL	9.49	Ordinary	(209,824)	(209,824)
24-Jan-2023	Vanguard Investments Australia Ltd.	SELL	9.17	Ordinary	(8,706)	(8,706)
24-Jan-2023	Vanguard Investments Australia Ltd.	SELL	9.17	Ordinary	(14,510)	(14,510)
24-Jan-2023	Vanguard Investments Australia Ltd.	SELL	9.17	Ordinary	(20,314)	(20,314)
30-Jan-2023	Vanguard Investments Australia Ltd.	BUY	8.40	Ordinary	2,082	2,082
31-Jan-2023	Vanguard Investments Australia Ltd.	BUY	8.40	Ordinary	9,021	9,021
1-Feb-2023	Vanguard Investments Australia Ltd.	SELL	8.27	Ordinary	(17,577)	(17,577)
2-Feb-2023	Vanguard Investments Australia Ltd.	BUY	8.17	Ordinary	3,123	3,123
3-Feb-2023	Vanguard Investments Australia Ltd.	BUY	8.22	Ordinary	16,780	16,780
3-Feb-2023	Vanguard Investments Australia Ltd.	SELL	8.22	Ordinary	(13,424)	(13,424)
3-Feb-2023	Vanguard Investments Australia Ltd.	BUY	8.22	Ordinary	3,123	3,123
7-Feb-2023	Vanguard Investments Australia Ltd.	BUY	8.62	Ordinary	2,082	2,082
9-Feb-2023	Vanguard Investments Australia Ltd.	BUY	8.04	Ordinary	2,082	2,082
10-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.74	Ordinary	2,082	2,082
13-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.93	Ordinary	12,690	12,690
13-Feb-2023	Vanguard Investments Australia Ltd.	SELL	7.93	Ordinary	(96,900)	(96,900)
13-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.93	Ordinary	5,804	5,804
13-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.93	Ordinary	5,205	5,205
15-Feb-2023	Vanguard Investments Australia Ltd.	BUY	8.19	Ordinary	3,123	3,123
16-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	3,123	3,123
16-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.96	Ordinary	5,205	5,205
17-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.55	Ordinary	13,552	13,552
20-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.50	Ordinary	5,804	5,804
20-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.50	Ordinary	3,126	3,126
21-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.40	Ordinary	12,780	12,780
21-Feb-2023	Vanguard Investments Australia Ltd.	SELL	7.40	Ordinary	(51,120)	(51,120)
22-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.51	Ordinary	8,540	8,540
22-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.51	Ordinary	3,132	3,132
23-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.36	Ordinary	5,818	5,818
23-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.36	Ordinary	4,180	4,180
27-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.23	Ordinary	5,806	5,806
27-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.23	Ordinary	3,138	3,138
28-Feb-2023	Vanguard Investments Australia Ltd.	SELL	7.23	Ordinary	(73,150)	(73,150)
28-Feb-2023	Vanguard Investments Australia Ltd.	BUY	7.23	Ordinary	3,138	3,138
1-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	12,885	12,885
1-Mar-2023	Vanguard Investments Australia Ltd.	SELL	7.22	Ordinary	(15,462)	(15,462)
2-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	3,144	3,144
2-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.52	Ordinary	3,144	3,144
3-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.49	Ordinary	11,245	11,245
6-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.33	Ordinary	2,098	2,098
7-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.31	Ordinary	5,586	5,586
7-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.31	Ordinary	2,100	2,100
7-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.31	Ordinary	3,150	3,150
8-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.03	Ordinary	8,382	8,382
10-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.13	Ordinary	12,960	12,960
10-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.13	Ordinary	6,348	6,348
13-Mar-2023	Vanguard Investments Australia Ltd.	SELL	7.13	Ordinary	(9,449)	(9,449)
13-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.13	Ordinary	2,116	2,116
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.75	Ordinary	17,180	17,180
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.75	Ordinary	8,370	8,370
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.75	Ordinary	4,232	4,232
14-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.75	Ordinary	6,348	6,348
15-Mar-2023	Vanguard Investments Australia Ltd.	BUY	7.00	Ordinary	3,174	3,174
16-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.65	Ordinary	17,260	17,260
16-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.65	Ordinary	4,232	4,232
17-Mar-2023	Vanguard Investments Australia Ltd.	SELL	6.67	Ordinary	(476,275)	(476,275)
17-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.68	Ordinary	3,174	3,174
17-Mar-2023	Vanguard Investments Australia Ltd.	SELL	6.67	Ordinary	(104,739)	(104,739)
20-Mar-2023	Vanguard Investments Australia Ltd.	SELL	6.37	Ordinary	(22,360)	(22,360)
20-Mar-2023	Vanguard Investments Australia Ltd.	SELL	6.37	Ordinary	(8,373)	(8,373)
21-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.60	Ordinary	12,675	12,675

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
21-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.60	Ordinary	4,064	4,064
23-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.54	Ordinary	3,048	3,048
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.48	Ordinary	10,068	10,068
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.48	Ordinary	2,032	2,032
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.48	Ordinary	2,032	2,032
24-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.48	Ordinary	3,048	3,048
27-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.38	Ordinary	3,048	3,048
28-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.77	Ordinary	2,032	2,032
29-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.49	Ordinary	1,016	1,016
30-Mar-2023	Vanguard Investments Australia Ltd.	BUY	6.67	Ordinary	2,032	2,032
4-Apr-2023	Vanguard Investments Australia Ltd.	BUY	7.28	Ordinary	12,570	12,570
4-Apr-2023	Vanguard Investments Australia Ltd.	BUY	7.28	Ordinary	6,042	6,042
4-Apr-2023	Vanguard Investments Australia Ltd.	BUY	7.19	Ordinary	75,426	75,426
5-Apr-2023	Vanguard Investments Australia Ltd.	BUY	7.00	Ordinary	47,761	47,761
5-Apr-2023	Vanguard Investments Australia Ltd.	BUY	7.00	Ordinary	5,586	5,586
5-Apr-2023	Vanguard Investments Australia Ltd.	BUY	7.00	Ordinary	4,028	4,028
13-Apr-2023	Vanguard Investments Australia Ltd.	BUY	6.91	Ordinary	1,007	1,007
14-Apr-2023	Vanguard Investments Australia Ltd.	BUY	6.87	Ordinary	2,014	2,014
17-Apr-2023	Vanguard Investments Australia Ltd.	BUY	6.81	Ordinary	8,376	8,376
18-Apr-2023	Vanguard Investments Australia Ltd.	BUY	6.96	Ordinary	46,211	46,211
21-Apr-2023	Vanguard Investments Australia Ltd.	BUY	7.38	Ordinary	5,728	5,728
26-Apr-2023	Vanguard Investments Australia Ltd.	BUY	7.15	Ordinary	6,042	6,042
28-Apr-2023	Vanguard Investments Australia Ltd.	BUY	7.20	Ordinary	3,021	3,021
2-May-2023	Vanguard Investments Australia Ltd.	BUY	7.22	Ordinary	8,260	8,260
3-May-2023	Vanguard Investments Australia Ltd.	BUY	7.19	Ordinary	7,425	7,425
3-May-2023	Vanguard Investments Australia Ltd.	BUY	7.19	Ordinary	124,123	124,123

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 May 2023 _____