

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

**Notice of initial substantial holder**

To Company Name/Scheme BHP Group Limited  
ACN/ARSN 004 028 077

**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 7 September 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>253,318,530</b>	<b>253,318,530</b>	<b>5.001%</b>
Note: Vanguard Group also holds 433,342 shares of BHP Group 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
<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 – 253,318,530</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 accounts of Vanguard Group	<b>Ordinary – 14,563,120</b>
<b>Vanguard Group</b>	<b>BNY Mellon</b>	Various funds and accounts of Vanguard Group	<b>Ordinary – 18,203,472</b>
<b>Vanguard Group</b>	<b>JP Morgan Chase Bank, N.A.</b>	Various funds and accounts of Vanguard Group	<b>Ordinary – 175,528,049</b>
<b>Vanguard Group</b>	<b>State Street Bank and Trust Company</b>	Various funds and accounts of Vanguard Group	<b>Ordinary – 45,023,889</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>			

**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 12 September 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 BHP Group Limited  
ACN/ARSN 004 028 077

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
6-May-2022	The Vanguard Group, Inc.	BUY	46.80 AUD	Ordinary	8,925	8,925
6-May-2022	The Vanguard Group, Inc.	BUY	46.80 AUD	Ordinary	2,353	2,353
6-May-2022	The Vanguard Group, Inc.	BUY	46.55 AUD	Ordinary	41,399	41,399
6-May-2022	The Vanguard Group, Inc.	BUY	46.55 AUD	Ordinary	27,398	27,398
6-May-2022	The Vanguard Group, Inc.	BUY	46.55 AUD	Ordinary	5,013	5,013
6-May-2022	The Vanguard Group, Inc.	BUY	46.44 AUD	Ordinary	8,583	8,583
6-May-2022	The Vanguard Group, Inc.	BUY	46.80 AUD	Ordinary	3,198	3,198
6-May-2022	The Vanguard Group, Inc.	BUY	26.57 GBP	Ordinary	694	694
6-May-2022	The Vanguard Group, Inc.	BUY	46.53 AUD	Ordinary	71	71
9-May-2022	The Vanguard Group, Inc.	BUY	46.21 AUD	Ordinary	2,422	2,422
9-May-2022	The Vanguard Group, Inc.	BUY	46.28 AUD	Ordinary	30,984	30,984
9-May-2022	The Vanguard Group, Inc.	SELL	25.41 GBP	Ordinary	(52,202)	(52,202)
9-May-2022	The Vanguard Group, Inc.	BUY	44.75 AUD	Ordinary	5,722	5,722
10-May-2022	The Vanguard Group, Inc.	BUY	45.02 AUD	Ordinary	3,346	3,346
10-May-2022	The Vanguard Group, Inc.	BUY	45.02 AUD	Ordinary	4,665	4,665
10-May-2022	The Vanguard Group, Inc.	BUY	45.02 AUD	Ordinary	102,748	102,748
10-May-2022	The Vanguard Group, Inc.	BUY	44.69 AUD	Ordinary	134,860	134,860
10-May-2022	The Vanguard Group, Inc.	SELL	25.35 GBP	Ordinary	(117,138)	(117,138)
10-May-2022	The Vanguard Group, Inc.	BUY	44.69 AUD	Ordinary	10,926	10,926
10-May-2022	The Vanguard Group, Inc.	BUY	44.69 AUD	Ordinary	62,904	62,904
10-May-2022	The Vanguard Group, Inc.	BUY	44.69 AUD	Ordinary	26,251	26,251
10-May-2022	The Vanguard Group, Inc.	BUY	25.39 GBP	Ordinary	1,482	1,482
11-May-2022	The Vanguard Group, Inc.	BUY	45.66 AUD	Ordinary	1,759	1,759
11-May-2022	The Vanguard Group, Inc.	BUY	45.66 AUD	Ordinary	2,424	2,424
11-May-2022	The Vanguard Group, Inc.	BUY	45.26 AUD	Ordinary	57,605	57,605
11-May-2022	The Vanguard Group, Inc.	BUY	45.26 AUD	Ordinary	5,724	5,724
11-May-2022	The Vanguard Group, Inc.	BUY	45.26 AUD	Ordinary	2,231	2,231
11-May-2022	The Vanguard Group, Inc.	BUY	45.26 AUD	Ordinary	170	170
11-May-2022	The Vanguard Group, Inc.	BUY	45.66 AUD	Ordinary	2,704	2,704
11-May-2022	The Vanguard Group, Inc.	BUY	45.26 AUD	Ordinary	113	113
12-May-2022	The Vanguard Group, Inc.	BUY	44.95 AUD	Ordinary	1,759	1,759
12-May-2022	The Vanguard Group, Inc.	BUY	44.95 AUD	Ordinary	1,673	1,673
12-May-2022	The Vanguard Group, Inc.	BUY	45.76 AUD	Ordinary	75,476	75,476
12-May-2022	The Vanguard Group, Inc.	SELL	25.35 GBP	Ordinary	(136,590)	(136,590)
12-May-2022	The Vanguard Group, Inc.	BUY	45.18 AUD	Ordinary	10,060	10,060
12-May-2022	The Vanguard Group, Inc.	BUY	45.18 AUD	Ordinary	5,742	5,742
12-May-2022	The Vanguard Group, Inc.	BUY	45.18 AUD	Ordinary	11,484	11,484
12-May-2022	The Vanguard Group, Inc.	BUY	45.76 AUD	Ordinary	10,888	10,888
12-May-2022	The Vanguard Group, Inc.	BUY	25.15 GBP	Ordinary	467	467
13-May-2022	The Vanguard Group, Inc.	BUY	45.35 AUD	Ordinary	2,302	2,302
13-May-2022	The Vanguard Group, Inc.	BUY	45.35 AUD	Ordinary	69,807	69,807
13-May-2022	The Vanguard Group, Inc.	BUY	45.35 AUD	Ordinary	6,930	6,930
13-May-2022	The Vanguard Group, Inc.	BUY	45.84 AUD	Ordinary	3,495	3,495
13-May-2022	The Vanguard Group, Inc.	SELL	25.81 GBP	Ordinary	(463)	(463)
13-May-2022	The Vanguard Group, Inc.	SELL	25.92 GBP	Ordinary	(1,229)	(1,229)
13-May-2022	The Vanguard Group, Inc.	BUY	45.35 AUD	Ordinary	10,826	10,826
16-May-2022	The Vanguard Group, Inc.	BUY	45.30 AUD	Ordinary	22,695	22,695
16-May-2022	The Vanguard Group, Inc.	BUY	45.31 AUD	Ordinary	2,418	2,418
16-May-2022	The Vanguard Group, Inc.	SELL	25.68 GBP	Ordinary	(4,197)	(4,197)
16-May-2022	The Vanguard Group, Inc.	SELL	25.85 GBP	Ordinary	(1,366)	(1,366)
17-May-2022	The Vanguard Group, Inc.	BUY	45.56 AUD	Ordinary	3,126	3,126
17-May-2022	The Vanguard Group, Inc.	BUY	45.61 AUD	Ordinary	21,281	21,281
17-May-2022	The Vanguard Group, Inc.	BUY	45.61 AUD	Ordinary	42,193	42,193
17-May-2022	The Vanguard Group, Inc.	SELL	25.56 GBP	Ordinary	(9,357)	(9,357)
17-May-2022	The Vanguard Group, Inc.	BUY	45.56 AUD	Ordinary	220	220
18-May-2022	The Vanguard Group, Inc.	BUY	47.01 AUD	Ordinary	3,346	3,346
18-May-2022	The Vanguard Group, Inc.	BUY	47.01 AUD	Ordinary	32,136	32,136
18-May-2022	The Vanguard Group, Inc.	BUY	46.98 AUD	Ordinary	7,890	7,890
18-May-2022	The Vanguard Group, Inc.	BUY	47.01 AUD	Ordinary	22,826	22,826
18-May-2022	The Vanguard Group, Inc.	BUY	47.01 AUD	Ordinary	35,055	35,055
18-May-2022	The Vanguard Group, Inc.	BUY	45.84 AUD	Ordinary	5,740	5,740
18-May-2022	The Vanguard Group, Inc.	BUY	47.01 AUD	Ordinary	98	98

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
18-May-2022	The Vanguard Group, Inc.	BUY	26.20 GBP	Ordinary	362	362
18-May-2022	The Vanguard Group, Inc.	BUY	46.98 AUD	Ordinary	30	30
19-May-2022	The Vanguard Group, Inc.	BUY	46.23 AUD	Ordinary	11,128	11,128
19-May-2022	The Vanguard Group, Inc.	BUY	46.23 AUD	Ordinary	2,426	2,426
19-May-2022	The Vanguard Group, Inc.	BUY	46.23 AUD	Ordinary	3,063	3,063
19-May-2022	The Vanguard Group, Inc.	BUY	46.64 AUD	Ordinary	9,738	9,738
19-May-2022	The Vanguard Group, Inc.	BUY	46.64 AUD	Ordinary	18,512	18,512
19-May-2022	The Vanguard Group, Inc.	SELL	45.89 AUD	Ordinary	(3,911)	(3,911)
19-May-2022	The Vanguard Group, Inc.	BUY	46.64 AUD	Ordinary	15,090	15,090
19-May-2022	The Vanguard Group, Inc.	BUY	46.64 AUD	Ordinary	5,744	5,744
19-May-2022	The Vanguard Group, Inc.	BUY	46.64 AUD	Ordinary	5,744	5,744
20-May-2022	The Vanguard Group, Inc.	BUY	46.85 AUD	Ordinary	9,681	9,681
20-May-2022	The Vanguard Group, Inc.	BUY	47.18 AUD	Ordinary	22,799	22,799
20-May-2022	The Vanguard Group, Inc.	BUY	47.18 AUD	Ordinary	69,468	69,468
20-May-2022	The Vanguard Group, Inc.	BUY	47.18 AUD	Ordinary	31,806	31,806
20-May-2022	The Vanguard Group, Inc.	BUY	46.85 AUD	Ordinary	5,220	5,220
23-May-2022	The Vanguard Group, Inc.	BUY	47.83 AUD	Ordinary	1,759	1,759
23-May-2022	The Vanguard Group, Inc.	BUY	47.83 AUD	Ordinary	36,895	36,895
23-May-2022	The Vanguard Group, Inc.	BUY	47.83 AUD	Ordinary	6,465	6,465
23-May-2022	The Vanguard Group, Inc.	BUY	47.83 AUD	Ordinary	565	565
24-May-2022	The Vanguard Group, Inc.	BUY	47.79 AUD	Ordinary	66,820	66,820
24-May-2022	The Vanguard Group, Inc.	BUY	47.82 AUD	Ordinary	8,634	8,634
24-May-2022	The Vanguard Group, Inc.	BUY	48.19 AUD	Ordinary	2,528	2,528
25-May-2022	The Vanguard Group, Inc.	BUY	43.02 AUD	Ordinary	2,437	2,437
25-May-2022	The Vanguard Group, Inc.	BUY	42.92 AUD	Ordinary	28,850	28,850
25-May-2022	The Vanguard Group, Inc.	BUY	42.92 AUD	Ordinary	5,770	5,770
25-May-2022	The Vanguard Group, Inc.	BUY	42.92 AUD	Ordinary	8,655	8,655
25-May-2022	The Vanguard Group, Inc.	BUY	43.00 AUD	Ordinary	18,998	18,998
26-May-2022	The Vanguard Group, Inc.	BUY	42.94 AUD	Ordinary	13,024	13,024
26-May-2022	The Vanguard Group, Inc.	BUY	42.94 AUD	Ordinary	5,756	5,756
27-May-2022	The Vanguard Group, Inc.	BUY	43.67 AUD	Ordinary	1,784	1,784
27-May-2022	The Vanguard Group, Inc.	BUY	43.67 AUD	Ordinary	2,428	2,428
27-May-2022	The Vanguard Group, Inc.	BUY	25.18 GBP	Ordinary	3,197	3,197
30-May-2022	The Vanguard Group, Inc.	BUY	44.55 AUD	Ordinary	26,148	26,148
30-May-2022	The Vanguard Group, Inc.	BUY	44.55 AUD	Ordinary	66,595	66,595
31-May-2022	The Vanguard Group, Inc.	BUY	44.61 AUD	Ordinary	4,487	4,487
31-May-2022	The Vanguard Group, Inc.	SELL	44.61 AUD	Ordinary	(10,605)	(10,605)
31-May-2022	The Vanguard Group, Inc.	BUY	44.61 AUD	Ordinary	2,489	2,489
1-Jun-2022	The Vanguard Group, Inc.	BUY	44.84 AUD	Ordinary	2,965	2,965
1-Jun-2022	The Vanguard Group, Inc.	BUY	44.84 AUD	Ordinary	7,095	7,095
1-Jun-2022	The Vanguard Group, Inc.	BUY	44.84 AUD	Ordinary	23,324	23,324
1-Jun-2022	The Vanguard Group, Inc.	BUY	25.55 GBP	Ordinary	4,787	4,787
2-Jun-2022	The Vanguard Group, Inc.	BUY	45.61 AUD	Ordinary	2,425	2,425
2-Jun-2022	The Vanguard Group, Inc.	BUY	45.61 AUD	Ordinary	1,440	1,440
2-Jun-2022	The Vanguard Group, Inc.	BUY	45.60 AUD	Ordinary	19,956	19,956
2-Jun-2022	The Vanguard Group, Inc.	BUY	45.60 AUD	Ordinary	1,147	1,147
2-Jun-2022	The Vanguard Group, Inc.	BUY	46.60 AUD	Ordinary	13,016	13,016
2-Jun-2022	The Vanguard Group, Inc.	BUY	46.60 AUD	Ordinary	20,120	20,120
2-Jun-2022	The Vanguard Group, Inc.	BUY	46.60 AUD	Ordinary	5,766	5,766
2-Jun-2022	The Vanguard Group, Inc.	SELL	45.60 AUD	Ordinary	(6,701)	(6,701)
2-Jun-2022	The Vanguard Group, Inc.	BUY	45.60 AUD	Ordinary	62	62
3-Jun-2022	The Vanguard Group, Inc.	BUY	46.76 AUD	Ordinary	1,785	1,785
3-Jun-2022	The Vanguard Group, Inc.	BUY	46.76 AUD	Ordinary	2,427	2,427
3-Jun-2022	The Vanguard Group, Inc.	BUY	46.62 AUD	Ordinary	8,643	8,643
3-Jun-2022	The Vanguard Group, Inc.	BUY	46.80 AUD	Ordinary	1,549	1,549
6-Jun-2022	The Vanguard Group, Inc.	BUY	26.47 GBP	Ordinary	6,794	6,794
7-Jun-2022	The Vanguard Group, Inc.	BUY	46.30 AUD	Ordinary	2,430	2,430
7-Jun-2022	The Vanguard Group, Inc.	BUY	46.45 AUD	Ordinary	10,595	10,595
8-Jun-2022	The Vanguard Group, Inc.	BUY	47.37 AUD	Ordinary	1,704	1,704
8-Jun-2022	The Vanguard Group, Inc.	BUY	47.37 AUD	Ordinary	9,916	9,916
8-Jun-2022	The Vanguard Group, Inc.	BUY	47.37 AUD	Ordinary	12,564	12,564
8-Jun-2022	The Vanguard Group, Inc.	SELL	47.37 AUD	Ordinary	(288,794)	(288,794)
8-Jun-2022	The Vanguard Group, Inc.	SELL	26.94 GBP	Ordinary	(168,310)	(168,310)
8-Jun-2022	The Vanguard Group, Inc.	BUY	47.37 AUD	Ordinary	2,103	2,103
9-Jun-2022	The Vanguard Group, Inc.	BUY	46.24 AUD	Ordinary	2,286	2,286
10-Jun-2022	The Vanguard Group, Inc.	BUY	46.22 AUD	Ordinary	7,275	7,275
13-Jun-2022	The Vanguard Group, Inc.	BUY	42.21 AUD	Ordinary	8,646	8,646
13-Jun-2022	The Vanguard Group, Inc.	BUY	42.21 AUD	Ordinary	8,646	8,646
13-Jun-2022	The Vanguard Group, Inc.	BUY	24.88 GBP	Ordinary	3,363	3,363

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
14-Jun-2022	The Vanguard Group, Inc.	BUY	44.26 AUD	Ordinary	1,717	1,717
14-Jun-2022	The Vanguard Group, Inc.	BUY	44.26 AUD	Ordinary	1,769	1,769
14-Jun-2022	The Vanguard Group, Inc.	BUY	44.26 AUD	Ordinary	9,922	9,922
14-Jun-2022	The Vanguard Group, Inc.	BUY	44.26 AUD	Ordinary	9,688	9,688
14-Jun-2022	The Vanguard Group, Inc.	SELL	43.41 AUD	Ordinary	(2,105)	(2,105)
14-Jun-2022	The Vanguard Group, Inc.	SELL	25.09 GBP	Ordinary	(652)	(652)
14-Jun-2022	The Vanguard Group, Inc.	BUY	43.50 AUD	Ordinary	3,913	3,913
15-Jun-2022	The Vanguard Group, Inc.	BUY	43.90 AUD	Ordinary	1,773	1,773
15-Jun-2022	The Vanguard Group, Inc.	SELL	43.90 AUD	Ordinary	(172,864)	(172,864)
16-Jun-2022	The Vanguard Group, Inc.	BUY	42.89 AUD	Ordinary	17,304	17,304
16-Jun-2022	The Vanguard Group, Inc.	BUY	24.35 GBP	Ordinary	15,975	15,975
16-Jun-2022	The Vanguard Group, Inc.	SELL	24.36 GBP	Ordinary	(752)	(752)
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.52 AUD	Ordinary	(11,755)	(11,755)
17-Jun-2022	The Vanguard Group, Inc.	BUY	42.52 AUD	Ordinary	2,001	2,001
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.52 AUD	Ordinary	(929)	(929)
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.52 AUD	Ordinary	(17,240)	(17,240)
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.52 AUD	Ordinary	(8,428)	(8,428)
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.52 AUD	Ordinary	(241,696)	(241,696)
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.52 AUD	Ordinary	(35,507)	(35,507)
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.89 AUD	Ordinary	(3,435)	(3,435)
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.52 AUD	Ordinary	(181,901)	(181,901)
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.52 AUD	Ordinary	(95,172)	(95,172)
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.52 AUD	Ordinary	(5,517)	(5,517)
17-Jun-2022	The Vanguard Group, Inc.	SELL	42.52 AUD	Ordinary	(9,109)	(9,109)
17-Jun-2022	The Vanguard Group, Inc.	BUY	42.52 AUD	Ordinary	82	82
20-Jun-2022	The Vanguard Group, Inc.	BUY	40.26 AUD	Ordinary	8,879	8,879
20-Jun-2022	The Vanguard Group, Inc.	SELL	40.26 AUD	Ordinary	(196,366)	(196,366)
21-Jun-2022	The Vanguard Group, Inc.	BUY	40.95 AUD	Ordinary	1,776	1,776
21-Jun-2022	The Vanguard Group, Inc.	BUY	40.95 AUD	Ordinary	3,552	3,552
21-Jun-2022	The Vanguard Group, Inc.	SELL	23.37 GBP	Ordinary	(210)	(210)
21-Jun-2022	The Vanguard Group, Inc.	SELL	40.94 AUD	Ordinary	(19)	(19)
22-Jun-2022	The Vanguard Group, Inc.	BUY	41.03 AUD	Ordinary	1,698	1,698
22-Jun-2022	The Vanguard Group, Inc.	BUY	41.03 AUD	Ordinary	1,069	1,069
24-Jun-2022	The Vanguard Group, Inc.	BUY	40.02 AUD	Ordinary	3,520	3,520
24-Jun-2022	The Vanguard Group, Inc.	BUY	40.02 AUD	Ordinary	1,716	1,716
24-Jun-2022	The Vanguard Group, Inc.	BUY	39.76 AUD	Ordinary	3,555	3,555
24-Jun-2022	The Vanguard Group, Inc.	BUY	40.94 AUD	Ordinary	15,888	15,888
24-Jun-2022	The Vanguard Group, Inc.	BUY	40.02 AUD	Ordinary	1,524	1,524
27-Jun-2022	The Vanguard Group, Inc.	BUY	41.20 AUD	Ordinary	3,900	3,900
27-Jun-2022	The Vanguard Group, Inc.	BUY	41.17 AUD	Ordinary	5,674	5,674
28-Jun-2022	The Vanguard Group, Inc.	BUY	42.98 AUD	Ordinary	1,758	1,758
28-Jun-2022	The Vanguard Group, Inc.	BUY	42.98 AUD	Ordinary	4,878	4,878
28-Jun-2022	The Vanguard Group, Inc.	BUY	41.62 AUD	Ordinary	4,064	4,064
28-Jun-2022	The Vanguard Group, Inc.	BUY	42.98 AUD	Ordinary	44,367	44,367
28-Jun-2022	The Vanguard Group, Inc.	BUY	42.55 AUD	Ordinary	32,436	32,436
28-Jun-2022	The Vanguard Group, Inc.	BUY	42.98 AUD	Ordinary	51,286	51,286
28-Jun-2022	The Vanguard Group, Inc.	BUY	42.98 AUD	Ordinary	1,517	1,517
28-Jun-2022	The Vanguard Group, Inc.	BUY	42.98 AUD	Ordinary	1,217	1,217
29-Jun-2022	The Vanguard Group, Inc.	BUY	42.76 AUD	Ordinary	1,753	1,753
29-Jun-2022	The Vanguard Group, Inc.	BUY	42.76 AUD	Ordinary	8,829	8,829
29-Jun-2022	The Vanguard Group, Inc.	BUY	42.76 AUD	Ordinary	4,818	4,818
29-Jun-2022	The Vanguard Group, Inc.	SELL	42.42 AUD	Ordinary	(4,048)	(4,048)
29-Jun-2022	The Vanguard Group, Inc.	BUY	42.62 AUD	Ordinary	72,522	72,522
29-Jun-2022	The Vanguard Group, Inc.	BUY	42.57 AUD	Ordinary	6,432	6,432
29-Jun-2022	The Vanguard Group, Inc.	BUY	42.57 AUD	Ordinary	8,511	8,511
29-Jun-2022	The Vanguard Group, Inc.	BUY	42.57 AUD	Ordinary	11,348	11,348
29-Jun-2022	The Vanguard Group, Inc.	BUY	42.62 AUD	Ordinary	63,798	63,798
30-Jun-2022	The Vanguard Group, Inc.	BUY	41.48 AUD	Ordinary	27,055	27,055
30-Jun-2022	The Vanguard Group, Inc.	BUY	41.48 AUD	Ordinary	23,020	23,020
30-Jun-2022	The Vanguard Group, Inc.	BUY	41.48 AUD	Ordinary	69,060	69,060
30-Jun-2022	The Vanguard Group, Inc.	BUY	41.48 AUD	Ordinary	92,080	92,080
30-Jun-2022	The Vanguard Group, Inc.	BUY	22.97 GBP	Ordinary	3,447	3,447
30-Jun-2022	The Vanguard Group, Inc.	SELL	41.25 AUD	Ordinary	(3,806)	(3,806)
30-Jun-2022	The Vanguard Group, Inc.	SELL	41.25 AUD	Ordinary	(742)	(742)
1-Jul-2022	The Vanguard Group, Inc.	SELL	40.83 AUD	Ordinary	(2,641)	(2,641)
1-Jul-2022	The Vanguard Group, Inc.	BUY	40.80 AUD	Ordinary	64,944	64,944
1-Jul-2022	The Vanguard Group, Inc.	BUY	40.80 AUD	Ordinary	55,800	55,800
1-Jul-2022	The Vanguard Group, Inc.	BUY	40.80 AUD	Ordinary	19,860	19,860
1-Jul-2022	The Vanguard Group, Inc.	BUY	40.83 AUD	Ordinary	4,315	4,315

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-2022	The Vanguard Group, Inc.	BUY	40.00 AUD	Ordinary	2,409	2,409
5-Jul-2022	The Vanguard Group, Inc.	BUY	40.00 AUD	Ordinary	4,818	4,818
5-Jul-2022	The Vanguard Group, Inc.	BUY	39.12 AUD	Ordinary	32,502	32,502
5-Jul-2022	The Vanguard Group, Inc.	BUY	39.12 AUD	Ordinary	36,976	36,976
6-Jul-2022	The Vanguard Group, Inc.	BUY	37.76 AUD	Ordinary	3,536	3,536
6-Jul-2022	The Vanguard Group, Inc.	BUY	37.76 AUD	Ordinary	13,543	13,543
6-Jul-2022	The Vanguard Group, Inc.	BUY	37.76 AUD	Ordinary	4,824	4,824
6-Jul-2022	The Vanguard Group, Inc.	BUY	38.44 AUD	Ordinary	2,666	2,666
6-Jul-2022	The Vanguard Group, Inc.	BUY	38.07 AUD	Ordinary	8,442	8,442
6-Jul-2022	The Vanguard Group, Inc.	BUY	38.07 AUD	Ordinary	13,863	13,863
6-Jul-2022	The Vanguard Group, Inc.	BUY	38.07 AUD	Ordinary	21,846	21,846
6-Jul-2022	The Vanguard Group, Inc.	BUY	38.44 AUD	Ordinary	67,036	67,036
6-Jul-2022	The Vanguard Group, Inc.	BUY	37.76 AUD	Ordinary	2,004	2,004
7-Jul-2022	The Vanguard Group, Inc.	BUY	38.34 AUD	Ordinary	32,971	32,971
7-Jul-2022	The Vanguard Group, Inc.	BUY	39.52 AUD	Ordinary	32,140	32,140
7-Jul-2022	The Vanguard Group, Inc.	BUY	38.34 AUD	Ordinary	69,092	69,092
7-Jul-2022	The Vanguard Group, Inc.	BUY	38.34 AUD	Ordinary	91,289	91,289
7-Jul-2022	The Vanguard Group, Inc.	BUY	38.34 AUD	Ordinary	8,001	8,001
7-Jul-2022	The Vanguard Group, Inc.	BUY	38.94 AUD	Ordinary	1,331	1,331
8-Jul-2022	The Vanguard Group, Inc.	BUY	39.44 AUD	Ordinary	18,432	18,432
8-Jul-2022	The Vanguard Group, Inc.	BUY	39.96 AUD	Ordinary	53,990	53,990
8-Jul-2022	The Vanguard Group, Inc.	BUY	39.22 AUD	Ordinary	2,173	2,173
11-Jul-2022	The Vanguard Group, Inc.	BUY	38.00 AUD	Ordinary	23,560	23,560
11-Jul-2022	The Vanguard Group, Inc.	BUY	38.00 AUD	Ordinary	4,524	4,524
11-Jul-2022	The Vanguard Group, Inc.	BUY	38.52 AUD	Ordinary	124,196	124,196
11-Jul-2022	The Vanguard Group, Inc.	BUY	21.48 GBP	Ordinary	4,125	4,125
12-Jul-2022	The Vanguard Group, Inc.	BUY	37.69 AUD	Ordinary	27,090	27,090
12-Jul-2022	The Vanguard Group, Inc.	BUY	37.69 AUD	Ordinary	203,104	203,104
12-Jul-2022	The Vanguard Group, Inc.	BUY	37.84 AUD	Ordinary	98,112	98,112
12-Jul-2022	The Vanguard Group, Inc.	BUY	37.69 AUD	Ordinary	19,860	19,860
12-Jul-2022	The Vanguard Group, Inc.	BUY	37.84 AUD	Ordinary	65,228	65,228
12-Jul-2022	The Vanguard Group, Inc.	BUY	37.69 AUD	Ordinary	8,511	8,511
12-Jul-2022	The Vanguard Group, Inc.	SELL	38.20 AUD	Ordinary	(918)	(918)
12-Jul-2022	The Vanguard Group, Inc.	BUY	38.20 AUD	Ordinary	2,388	2,388
13-Jul-2022	The Vanguard Group, Inc.	BUY	36.90 AUD	Ordinary	54,274	54,274
13-Jul-2022	The Vanguard Group, Inc.	BUY	36.90 AUD	Ordinary	42,573	42,573
13-Jul-2022	The Vanguard Group, Inc.	BUY	37.01 AUD	Ordinary	5,674	5,674
13-Jul-2022	The Vanguard Group, Inc.	BUY	36.90 AUD	Ordinary	1,504	1,504
13-Jul-2022	The Vanguard Group, Inc.	BUY	36.92 AUD	Ordinary	4,777	4,777
14-Jul-2022	The Vanguard Group, Inc.	BUY	37.40 AUD	Ordinary	1,759	1,759
14-Jul-2022	The Vanguard Group, Inc.	BUY	36.66 AUD	Ordinary	5,674	5,674
14-Jul-2022	The Vanguard Group, Inc.	BUY	37.01 AUD	Ordinary	27,292	27,292
14-Jul-2022	The Vanguard Group, Inc.	BUY	37.40 AUD	Ordinary	2,484	2,484
15-Jul-2022	The Vanguard Group, Inc.	BUY	36.14 AUD	Ordinary	37,898	37,898
15-Jul-2022	The Vanguard Group, Inc.	BUY	36.10 AUD	Ordinary	169,484	169,484
15-Jul-2022	The Vanguard Group, Inc.	BUY	36.00 AUD	Ordinary	38,099	38,099
15-Jul-2022	The Vanguard Group, Inc.	BUY	36.10 AUD	Ordinary	437	437
19-Jul-2022	The Vanguard Group, Inc.	BUY	37.35 AUD	Ordinary	19,469	19,469
19-Jul-2022	The Vanguard Group, Inc.	SELL	37.30 AUD	Ordinary	(3,957)	(3,957)
19-Jul-2022	The Vanguard Group, Inc.	SELL	37.03 AUD	Ordinary	(146,833)	(146,833)
19-Jul-2022	The Vanguard Group, Inc.	BUY	37.35 AUD	Ordinary	64,788	64,788
19-Jul-2022	The Vanguard Group, Inc.	BUY	37.35 AUD	Ordinary	5,061	5,061
19-Jul-2022	The Vanguard Group, Inc.	BUY	37.03 AUD	Ordinary	5,680	5,680
19-Jul-2022	The Vanguard Group, Inc.	BUY	37.03 AUD	Ordinary	8,520	8,520
19-Jul-2022	The Vanguard Group, Inc.	BUY	36.61 AUD	Ordinary	2,221	2,221
20-Jul-2022	The Vanguard Group, Inc.	SELL	37.11 AUD	Ordinary	(138,372)	(138,372)
20-Jul-2022	The Vanguard Group, Inc.	BUY	37.04 AUD	Ordinary	21,551	21,551
20-Jul-2022	The Vanguard Group, Inc.	BUY	36.72 AUD	Ordinary	13,815	13,815
20-Jul-2022	The Vanguard Group, Inc.	BUY	37.04 AUD	Ordinary	61,975	61,975
20-Jul-2022	The Vanguard Group, Inc.	BUY	37.04 AUD	Ordinary	66,532	66,532
20-Jul-2022	The Vanguard Group, Inc.	BUY	37.04 AUD	Ordinary	27,340	27,340
21-Jul-2022	The Vanguard Group, Inc.	BUY	36.90 AUD	Ordinary	74,292	74,292
21-Jul-2022	The Vanguard Group, Inc.	BUY	36.90 AUD	Ordinary	92,712	92,712
22-Jul-2022	The Vanguard Group, Inc.	BUY	36.54 AUD	Ordinary	31,373	31,373
22-Jul-2022	The Vanguard Group, Inc.	BUY	36.75 AUD	Ordinary	92,662	92,662
22-Jul-2022	The Vanguard Group, Inc.	BUY	36.54 AUD	Ordinary	68,450	68,450
22-Jul-2022	The Vanguard Group, Inc.	SELL	43.41 AUD	Ordinary	(255,591)	(255,591)
22-Jul-2022	The Vanguard Group, Inc.	BUY	36.75 AUD	Ordinary	2,861	2,861
22-Jul-2022	The Vanguard Group, Inc.	BUY	36.75 AUD	Ordinary	3,982	3,982

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25-Jul-2022	The Vanguard Group, Inc.	SELL	37.35 AUD	Ordinary	(14,502)	(14,502)
25-Jul-2022	The Vanguard Group, Inc.	BUY	21.90 GBP	Ordinary	101,405	101,405
25-Jul-2022	The Vanguard Group, Inc.	BUY	36.63 AUD	Ordinary	132,591	132,591
25-Jul-2022	The Vanguard Group, Inc.	SELL	44.40 AUD	Ordinary	(1,078)	(1,078)
26-Jul-2022	The Vanguard Group, Inc.	BUY	38.27 AUD	Ordinary	4,999	4,999
26-Jul-2022	The Vanguard Group, Inc.	SELL	38.27 AUD	Ordinary	(17,143)	(17,143)
26-Jul-2022	The Vanguard Group, Inc.	SELL	21.85 GBP	Ordinary	(270,791)	(270,791)
26-Jul-2022	The Vanguard Group, Inc.	BUY	38.02 AUD	Ordinary	105,780	105,780
26-Jul-2022	The Vanguard Group, Inc.	BUY	37.90 AUD	Ordinary	1,986	1,986
27-Jul-2022	The Vanguard Group, Inc.	BUY	38.00 AUD	Ordinary	54,140	54,140
27-Jul-2022	The Vanguard Group, Inc.	SELL	21.64 GBP	Ordinary	(75,249)	(75,249)
27-Jul-2022	The Vanguard Group, Inc.	BUY	38.00 AUD	Ordinary	8,520	8,520
27-Jul-2022	The Vanguard Group, Inc.	BUY	38.16 AUD	Ordinary	22,361	22,361
27-Jul-2022	The Vanguard Group, Inc.	BUY	37.52 AUD	Ordinary	2,162	2,162
28-Jul-2022	The Vanguard Group, Inc.	BUY	38.32 AUD	Ordinary	8,819	8,819
28-Jul-2022	The Vanguard Group, Inc.	SELL	38.03 AUD	Ordinary	(6,008)	(6,008)
28-Jul-2022	The Vanguard Group, Inc.	BUY	38.41 AUD	Ordinary	27,060	27,060
28-Jul-2022	The Vanguard Group, Inc.	BUY	38.32 AUD	Ordinary	2,618	2,618
29-Jul-2022	The Vanguard Group, Inc.	BUY	38.70 AUD	Ordinary	65,140	65,140
29-Jul-2022	The Vanguard Group, Inc.	BUY	38.68 AUD	Ordinary	808	808
1-Aug-2022	The Vanguard Group, Inc.	BUY	38.95 AUD	Ordinary	16,080	16,080
1-Aug-2022	The Vanguard Group, Inc.	BUY	39.20 AUD	Ordinary	37,447	37,447
1-Aug-2022	The Vanguard Group, Inc.	BUY	39.20 AUD	Ordinary	7,840	7,840
2-Aug-2022	The Vanguard Group, Inc.	BUY	38.58 AUD	Ordinary	3,484	3,484
3-Aug-2022	The Vanguard Group, Inc.	BUY	38.15 AUD	Ordinary	43,088	43,088
3-Aug-2022	The Vanguard Group, Inc.	BUY	38.81 AUD	Ordinary	13,812	13,812
3-Aug-2022	The Vanguard Group, Inc.	BUY	38.81 AUD	Ordinary	41,436	41,436
4-Aug-2022	The Vanguard Group, Inc.	BUY	38.17 AUD	Ordinary	3,564	3,564
4-Aug-2022	The Vanguard Group, Inc.	BUY	38.17 AUD	Ordinary	9,907	9,907
4-Aug-2022	The Vanguard Group, Inc.	BUY	38.17 AUD	Ordinary	28,680	28,680
4-Aug-2022	The Vanguard Group, Inc.	BUY	38.39 AUD	Ordinary	16,254	16,254
4-Aug-2022	The Vanguard Group, Inc.	BUY	38.39 AUD	Ordinary	13,812	13,812
4-Aug-2022	The Vanguard Group, Inc.	BUY	38.43 AUD	Ordinary	70,451	70,451
4-Aug-2022	The Vanguard Group, Inc.	BUY	38.39 AUD	Ordinary	23,832	23,832
4-Aug-2022	The Vanguard Group, Inc.	BUY	38.43 AUD	Ordinary	43,103	43,103
4-Aug-2022	The Vanguard Group, Inc.	BUY	22.03 GBP	Ordinary	4,403	4,403
4-Aug-2022	The Vanguard Group, Inc.	BUY	38.17 AUD	Ordinary	1,270	1,270
5-Aug-2022	The Vanguard Group, Inc.	SELL	38.81 AUD	Ordinary	(7,260)	(7,260)
5-Aug-2022	The Vanguard Group, Inc.	BUY	38.81 AUD	Ordinary	112	112
8-Aug-2022	The Vanguard Group, Inc.	BUY	39.12 AUD	Ordinary	1,730	1,730
8-Aug-2022	The Vanguard Group, Inc.	BUY	38.92 AUD	Ordinary	15,906	15,906
8-Aug-2022	The Vanguard Group, Inc.	BUY	38.92 AUD	Ordinary	11,016	11,016
8-Aug-2022	The Vanguard Group, Inc.	BUY	38.92 AUD	Ordinary	2,840	2,840
9-Aug-2022	The Vanguard Group, Inc.	BUY	38.82 AUD	Ordinary	11,325	11,325
9-Aug-2022	The Vanguard Group, Inc.	BUY	39.04 AUD	Ordinary	68,405	68,405
9-Aug-2022	The Vanguard Group, Inc.	BUY	39.04 AUD	Ordinary	20,061	20,061
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.30 AUD	Ordinary	1,737	1,737
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.88 AUD	Ordinary	12,880	12,880
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.83 AUD	Ordinary	49,992	49,992
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.88 AUD	Ordinary	32,526	32,526
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.88 AUD	Ordinary	37,947	37,947
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.88 AUD	Ordinary	65,052	65,052
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.88 AUD	Ordinary	27,105	27,105
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.30 AUD	Ordinary	42,830	42,830
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.88 AUD	Ordinary	49,650	49,650
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.83 AUD	Ordinary	14,686	14,686
10-Aug-2022	The Vanguard Group, Inc.	BUY	38.88 AUD	Ordinary	17,040	17,040
11-Aug-2022	The Vanguard Group, Inc.	BUY	39.15 AUD	Ordinary	6,657	6,657
11-Aug-2022	The Vanguard Group, Inc.	BUY	39.15 AUD	Ordinary	42,580	42,580
11-Aug-2022	The Vanguard Group, Inc.	BUY	39.15 AUD	Ordinary	34,909	34,909
11-Aug-2022	The Vanguard Group, Inc.	BUY	39.05 AUD	Ordinary	5,680	5,680
12-Aug-2022	The Vanguard Group, Inc.	BUY	22.65 GBP	Ordinary	3,657	3,657
12-Aug-2022	The Vanguard Group, Inc.	BUY	38.83 AUD	Ordinary	1,967	1,967
16-Aug-2022	The Vanguard Group, Inc.	BUY	40.51 AUD	Ordinary	4,430	4,430
16-Aug-2022	The Vanguard Group, Inc.	BUY	40.58 AUD	Ordinary	21,684	21,684
17-Aug-2022	The Vanguard Group, Inc.	BUY	41.25 AUD	Ordinary	41,266	41,266
17-Aug-2022	The Vanguard Group, Inc.	BUY	41.25 AUD	Ordinary	26,282	26,282
17-Aug-2022	The Vanguard Group, Inc.	BUY	23.30 GBP	Ordinary	52,217	52,217
17-Aug-2022	The Vanguard Group, Inc.	BUY	40.84 AUD	Ordinary	466	466



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18-Aug-2022	The Vanguard Group, Inc.	BUY	41.15 AUD	Ordinary	3,562	3,562
18-Aug-2022	The Vanguard Group, Inc.	SELL	40.68 AUD	Ordinary	(1,207)	(1,207)
18-Aug-2022	The Vanguard Group, Inc.	BUY	41.46 AUD	Ordinary	12,936	12,936
18-Aug-2022	The Vanguard Group, Inc.	BUY	40.68 AUD	Ordinary	30,476	30,476
18-Aug-2022	The Vanguard Group, Inc.	BUY	40.68 AUD	Ordinary	7,080	7,080
19-Aug-2022	The Vanguard Group, Inc.	BUY	41.54 AUD	Ordinary	41,707	41,707
19-Aug-2022	The Vanguard Group, Inc.	BUY	41.32 AUD	Ordinary	3,231	3,231
19-Aug-2022	The Vanguard Group, Inc.	BUY	41.54 AUD	Ordinary	20,344	20,344
19-Aug-2022	The Vanguard Group, Inc.	BUY	41.54 AUD	Ordinary	139	139
19-Aug-2022	The Vanguard Group, Inc.	SELL	18.83 GBP	Ordinary	(8,600)	(8,600)
22-Aug-2022	The Vanguard Group, Inc.	BUY	41.14 AUD	Ordinary	43,448	43,448
22-Aug-2022	The Vanguard Group, Inc.	BUY	41.15 AUD	Ordinary	43,722	43,722
22-Aug-2022	The Vanguard Group, Inc.	BUY	41.15 AUD	Ordinary	22,426	22,426
22-Aug-2022	The Vanguard Group, Inc.	BUY	24.08 GBP	Ordinary	5,973	5,973
22-Aug-2022	The Vanguard Group, Inc.	SELL	24.28 GBP	Ordinary	(387)	(387)
23-Aug-2022	The Vanguard Group, Inc.	BUY	41.76 AUD	Ordinary	27,175	27,175
23-Aug-2022	The Vanguard Group, Inc.	BUY	41.69 AUD	Ordinary	37,386	37,386
24-Aug-2022	The Vanguard Group, Inc.	BUY	42.10 AUD	Ordinary	14,895	14,895
24-Aug-2022	The Vanguard Group, Inc.	BUY	41.91 AUD	Ordinary	15,200	15,200
24-Aug-2022	The Vanguard Group, Inc.	BUY	41.91 AUD	Ordinary	1,750	1,750
25-Aug-2022	The Vanguard Group, Inc.	BUY	41.95 AUD	Ordinary	25,528	25,528
26-Aug-2022	The Vanguard Group, Inc.	BUY	42.70 AUD	Ordinary	55,871	55,871
26-Aug-2022	The Vanguard Group, Inc.	BUY	42.81 AUD	Ordinary	491	491
29-Aug-2022	The Vanguard Group, Inc.	BUY	42.44 AUD	Ordinary	27,175	27,175
29-Aug-2022	The Vanguard Group, Inc.	BUY	42.44 AUD	Ordinary	8,577	8,577
30-Aug-2022	The Vanguard Group, Inc.	BUY	42.28 AUD	Ordinary	36,891	36,891
30-Aug-2022	The Vanguard Group, Inc.	BUY	42.28 AUD	Ordinary	4,032	4,032
30-Aug-2022	The Vanguard Group, Inc.	BUY	24.43 GBP	Ordinary	5,211	5,211
30-Aug-2022	The Vanguard Group, Inc.	BUY	41.75 AUD	Ordinary	2,374	2,374
31-Aug-2022	The Vanguard Group, Inc.	BUY	40.60 AUD	Ordinary	9,960	9,960
31-Aug-2022	The Vanguard Group, Inc.	BUY	40.60 AUD	Ordinary	1,866	1,866
31-Aug-2022	The Vanguard Group, Inc.	BUY	40.60 AUD	Ordinary	14,131	14,131
31-Aug-2022	The Vanguard Group, Inc.	BUY	40.60 AUD	Ordinary	44,128	44,128
31-Aug-2022	The Vanguard Group, Inc.	BUY	40.60 AUD	Ordinary	29,900	29,900
1-Sep-2022	The Vanguard Group, Inc.	BUY	37.51 AUD	Ordinary	8,849	8,849
1-Sep-2022	The Vanguard Group, Inc.	BUY	37.51 AUD	Ordinary	19,384	19,384
1-Sep-2022	The Vanguard Group, Inc.	SELL	37.50 AUD	Ordinary	(2,737)	(2,737)
1-Sep-2022	The Vanguard Group, Inc.	BUY	37.57 AUD	Ordinary	24,509	24,509
1-Sep-2022	The Vanguard Group, Inc.	BUY	37.57 AUD	Ordinary	34,460	34,460
1-Sep-2022	The Vanguard Group, Inc.	BUY	38.08 AUD	Ordinary	11,480	11,480
2-Sep-2022	The Vanguard Group, Inc.	BUY	36.95 AUD	Ordinary	38,094	38,094
2-Sep-2022	The Vanguard Group, Inc.	BUY	36.95 AUD	Ordinary	27,210	27,210
2-Sep-2022	The Vanguard Group, Inc.	BUY	36.90 AUD	Ordinary	33,144	33,144
2-Sep-2022	The Vanguard Group, Inc.	BUY	36.95 AUD	Ordinary	17,220	17,220
2-Sep-2022	The Vanguard Group, Inc.	SELL	36.74 AUD	Ordinary	(1,729)	(1,729)
5-Sep-2022	The Vanguard Group, Inc.	BUY	37.40 AUD	Ordinary	64,290	64,290
5-Sep-2022	The Vanguard Group, Inc.	BUY	37.40 AUD	Ordinary	99,414	99,414
6-Sep-2022	The Vanguard Group, Inc.	BUY	37.27 AUD	Ordinary	3,502	3,502
6-Sep-2022	The Vanguard Group, Inc.	BUY	37.27 AUD	Ordinary	1,464	1,464
6-Sep-2022	The Vanguard Group, Inc.	BUY	36.85 AUD	Ordinary	5,740	5,740
7-Sep-2022	The Vanguard Group, Inc.	BUY	36.69 AUD	Ordinary	79,967	79,967
7-Sep-2022	The Vanguard Group, Inc.	BUY	36.40AUD	Ordinary	19,860	19,860
7-Sep-2022	The Vanguard Group, Inc.	BUY	36.40 AUD	Ordinary	39,720	39,720
7-Sep-2022	The Vanguard Group, Inc.	BUY	36.69 AUD	Ordinary	40,448	40,448
7-Sep-2022	The Vanguard Group, Inc.	BUY	36.91 AUD	Ordinary	3,356	3,356
6-May-2022	Vanguard Investments Australia Ltd.	BUY	46.80 AUD	Ordinary	11,576	11,576
9-May-2022	Vanguard Investments Australia Ltd.	BUY	46.21 AUD	Ordinary	12,606	12,606
9-May-2022	Vanguard Investments Australia Ltd.	BUY	46.21 AUD	Ordinary	67,232	67,232
10-May-2022	Vanguard Investments Australia Ltd.	BUY	45.02 AUD	Ordinary	42,000	42,000
10-May-2022	Vanguard Investments Australia Ltd.	BUY	45.02 AUD	Ordinary	289,800	289,800
11-May-2022	Vanguard Investments Australia Ltd.	BUY	45.66 AUD	Ordinary	11,612	11,612
16-May-2022	Vanguard Investments Australia Ltd.	BUY	45.31 AUD	Ordinary	21,025	21,025
16-May-2022	Vanguard Investments Australia Ltd.	BUY	45.31 AUD	Ordinary	50,460	50,460
16-May-2022	Vanguard Investments Australia Ltd.	BUY	45.31 AUD	Ordinary	8,718	8,718
18-May-2022	Vanguard Investments Australia Ltd.	BUY	47.01 AUD	Ordinary	50,472	50,472
18-May-2022	Vanguard Investments Australia Ltd.	BUY	47.01 AUD	Ordinary	5,812	5,812
20-May-2022	Vanguard Investments Australia Ltd.	BUY	47.18 AUD	Ordinary	50,532	50,532
20-May-2022	Vanguard Investments Australia Ltd.	BUY	47.18 AUD	Ordinary	8,730	8,730
24-May-2022	Vanguard Investments Australia Ltd.	BUY	47.80 AUD	Ordinary	2,907	2,907

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
25-May-2022	Vanguard Investments Australia Ltd.	BUY	43.02 AUD	Ordinary	2,909	2,909
27-May-2022	Vanguard Investments Australia Ltd.	BUY	43.67 AUD	Ordinary	5,735	5,735
30-May-2022	Vanguard Investments Australia Ltd.	BUY	44.91 AUD	Ordinary	42,110	42,110
30-May-2022	Vanguard Investments Australia Ltd.	SELL	44.91 AUD	Ordinary	(5,735)	(5,735)
30-May-2022	Vanguard Investments Australia Ltd.	BUY	44.91 AUD	Ordinary	11,640	11,640
31-May-2022	Vanguard Investments Australia Ltd.	BUY	44.61 AUD	Ordinary	5,735	5,735
31-May-2022	Vanguard Investments Australia Ltd.	BUY	44.61 AUD	Ordinary	7,342	7,342
3-Jun-2022	Vanguard Investments Australia Ltd.	BUY	46.76 AUD	Ordinary	50,520	50,520
3-Jun-2022	Vanguard Investments Australia Ltd.	BUY	46.76 AUD	Ordinary	11,640	11,640
7-Jun-2022	Vanguard Investments Australia Ltd.	BUY	46.30 AUD	Ordinary	240,198	240,198
8-Jun-2022	Vanguard Investments Australia Ltd.	BUY	47.37 AUD	Ordinary	50,568	50,568
8-Jun-2022	Vanguard Investments Australia Ltd.	BUY	47.37 AUD	Ordinary	5,820	5,820
8-Jun-2022	Vanguard Investments Australia Ltd.	BUY	47.37 AUD	Ordinary	14,550	14,550
9-Jun-2022	Vanguard Investments Australia Ltd.	BUY	46.24 AUD	Ordinary	5,804	5,804
10-Jun-2022	Vanguard Investments Australia Ltd.	BUY	46.22 AUD	Ordinary	84,320	84,320
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	44.26 AUD	Ordinary	21,075	21,075
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	44.26 AUD	Ordinary	33,720	33,720
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	44.26 AUD	Ordinary	63,225	63,225
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	44.26 AUD	Ordinary	8,730	8,730
14-Jun-2022	Vanguard Investments Australia Ltd.	BUY	44.26 AUD	Ordinary	11,640	11,640
15-Jun-2022	Vanguard Investments Australia Ltd.	BUY	43.90 AUD	Ordinary	5,804	5,804
16-Jun-2022	Vanguard Investments Australia Ltd.	BUY	44.01 AUD	Ordinary	2,927	2,927
16-Jun-2022	Vanguard Investments Australia Ltd.	BUY	44.01 AUD	Ordinary	14,635	14,635
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	42.52 AUD	Ordinary	54,925	54,925
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	42.52 AUD	Ordinary	435,792	435,792
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	42.52 AUD	Ordinary	8,781	8,781
17-Jun-2022	Vanguard Investments Australia Ltd.	BUY	42.52 AUD	Ordinary	381,970	381,970
22-Jun-2022	Vanguard Investments Australia Ltd.	BUY	41.03 AUD	Ordinary	9,222	9,222
22-Jun-2022	Vanguard Investments Australia Ltd.	SELL	41.03 AUD	Ordinary	(1,468)	(1,468)
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	40.50 AUD	Ordinary	21,145	21,145
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	40.50 AUD	Ordinary	29,603	29,603
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	40.50 AUD	Ordinary	42,290	42,290
23-Jun-2022	Vanguard Investments Australia Ltd.	BUY	40.50 AUD	Ordinary	12,292	12,292
24-Jun-2022	Vanguard Investments Australia Ltd.	BUY	40.02 AUD	Ordinary	12,292	12,292
27-Jun-2022	Vanguard Investments Australia Ltd.	BUY	41.20 AUD	Ordinary	29,596	29,596
27-Jun-2022	Vanguard Investments Australia Ltd.	BUY	41.20 AUD	Ordinary	11,608	11,608
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	42.98 AUD	Ordinary	21,125	21,125
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	42.98 AUD	Ordinary	21,125	21,125
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	42.98 AUD	Ordinary	33,800	33,800
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	42.98 AUD	Ordinary	42,250	42,250
28-Jun-2022	Vanguard Investments Australia Ltd.	BUY	42.98 AUD	Ordinary	15,370	15,370
29-Jun-2022	Vanguard Investments Australia Ltd.	SELL	42.76 AUD	Ordinary	(12,696)	(12,696)
30-Jun-2022	Vanguard Investments Australia Ltd.	SELL	41.25 AUD	Ordinary	(411,768)	(411,768)
30-Jun-2022	Vanguard Investments Australia Ltd.	SELL	41.25 AUD	Ordinary	(15,287)	(15,287)
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	40.05 AUD	Ordinary	28,875	28,875
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	40.05 AUD	Ordinary	33,000	33,000
1-Jul-2022	Vanguard Investments Australia Ltd.	BUY	40.05 AUD	Ordinary	41,250	41,250
4-Jul-2022	Vanguard Investments Australia Ltd.	BUY	39.90 AUD	Ordinary	41,230	41,230
4-Jul-2022	Vanguard Investments Australia Ltd.	BUY	39.90 AUD	Ordinary	15,080	15,080
5-Jul-2022	Vanguard Investments Australia Ltd.	SELL	21.69 GBP	Ordinary	(1,045)	(1,045)
6-Jul-2022	Vanguard Investments Australia Ltd.	BUY	37.76 AUD	Ordinary	15,080	15,080
7-Jul-2022	Vanguard Investments Australia Ltd.	BUY	38.94 AUD	Ordinary	27,144	27,144
8-Jul-2022	Vanguard Investments Australia Ltd.	BUY	39.22 AUD	Ordinary	12,064	12,064
11-Jul-2022	Vanguard Investments Australia Ltd.	BUY	38.00 AUD	Ordinary	41,240	41,240
13-Jul-2022	Vanguard Investments Australia Ltd.	SELL	36.92 AUD	Ordinary	(150,214)	(150,214)
13-Jul-2022	Vanguard Investments Australia Ltd.	BUY	36.92 AUD	Ordinary	15,080	15,080
15-Jul-2022	Vanguard Investments Australia Ltd.	BUY	36.10 AUD	Ordinary	28,861	28,861
15-Jul-2022	Vanguard Investments Australia Ltd.	SELL	36.10 AUD	Ordinary	(53,599)	(53,599)
15-Jul-2022	Vanguard Investments Australia Ltd.	BUY	36.10 AUD	Ordinary	5,624	5,624
18-Jul-2022	Vanguard Investments Australia Ltd.	BUY	36.97 AUD	Ordinary	15,080	15,080
20-Jul-2022	Vanguard Investments Australia Ltd.	BUY	37.11 AUD	Ordinary	32,920	32,920
20-Jul-2022	Vanguard Investments Australia Ltd.	BUY	37.11 AUD	Ordinary	82,300	82,300
21-Jul-2022	Vanguard Investments Australia Ltd.	BUY	36.78 AUD	Ordinary	144,611	144,611
22-Jul-2022	Vanguard Investments Australia Ltd.	BUY	36.75 AUD	Ordinary	61,845	61,845
22-Jul-2022	Vanguard Investments Australia Ltd.	BUY	36.75 AUD	Ordinary	12,028	12,028
26-Jul-2022	Vanguard Investments Australia Ltd.	BUY	38.27 AUD	Ordinary	12,024	12,024
27-Jul-2022	Vanguard Investments Australia Ltd.	BUY	37.52 AUD	Ordinary	16,815	16,815
28-Jul-2022	Vanguard Investments Australia Ltd.	BUY	38.32 AUD	Ordinary	61,845	61,845
1-Aug-2022	Vanguard Investments Australia Ltd.	SELL	39.10 AUD	Ordinary	(5,608)	(5,608)

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
1-Aug-2022	Vanguard Investments Australia Ltd.	BUY	39.10 AUD	Ordinary	6,014	6,014
1-Aug-2022	Vanguard Investments Australia Ltd.	BUY	39.10 AUD	Ordinary	12,028	12,028
2-Aug-2022	Vanguard Investments Australia Ltd.	BUY	38.58 AUD	Ordinary	20,610	20,610
3-Aug-2022	Vanguard Investments Australia Ltd.	BUY	38.61 AUD	Ordinary	9,021	9,021
3-Aug-2022	Vanguard Investments Australia Ltd.	BUY	38.61 AUD	Ordinary	15,035	15,035
4-Aug-2022	Vanguard Investments Australia Ltd.	BUY	38.17 AUD	Ordinary	61,815	61,815
5-Aug-2022	Vanguard Investments Australia Ltd.	BUY	38.81 AUD	Ordinary	12,028	12,028
8-Aug-2022	Vanguard Investments Australia Ltd.	BUY	39.12 AUD	Ordinary	20,605	20,605
9-Aug-2022	Vanguard Investments Australia Ltd.	BUY	38.82 AUD	Ordinary	3,007	3,007
11-Aug-2022	Vanguard Investments Australia Ltd.	BUY	39.15 AUD	Ordinary	5,614	5,614
12-Aug-2022	Vanguard Investments Australia Ltd.	BUY	38.83 AUD	Ordinary	15,060	15,060
16-Aug-2022	Vanguard Investments Australia Ltd.	BUY	40.51 AUD	Ordinary	20,640	20,640
16-Aug-2022	Vanguard Investments Australia Ltd.	BUY	40.51 AUD	Ordinary	12,048	12,048
18-Aug-2022	Vanguard Investments Australia Ltd.	BUY	41.15 AUD	Ordinary	24,816	24,816
18-Aug-2022	Vanguard Investments Australia Ltd.	BUY	41.15 AUD	Ordinary	6,036	6,036
19-Aug-2022	Vanguard Investments Australia Ltd.	BUY	41.55 AUD	Ordinary	62,040	62,040
24-Aug-2022	Vanguard Investments Australia Ltd.	BUY	41.91 AUD	Ordinary	62,115	62,115
24-Aug-2022	Vanguard Investments Australia Ltd.	BUY	41.91 AUD	Ordinary	9,069	9,069
25-Aug-2022	Vanguard Investments Australia Ltd.	BUY	42.19 AUD	Ordinary	12,096	12,096
29-Aug-2022	Vanguard Investments Australia Ltd.	BUY	42.19 AUD	Ordinary	11,272	11,272
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	40.60 AUD	Ordinary	82,940	82,940
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	40.60 AUD	Ordinary	1,864	1,864
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	40.60 AUD	Ordinary	9,087	9,087
31-Aug-2022	Vanguard Investments Australia Ltd.	BUY	40.60 AUD	Ordinary	12,116	12,116
1-Sep-2022	Vanguard Investments Australia Ltd.	BUY	37.51 AUD	Ordinary	20,865	20,865
1-Sep-2022	Vanguard Investments Australia Ltd.	BUY	37.51 AUD	Ordinary	6,887	6,887
1-Sep-2022	Vanguard Investments Australia Ltd.	BUY	37.51 AUD	Ordinary	31,856	31,856
2-Sep-2022	Vanguard Investments Australia Ltd.	SELL	36.74 AUD	Ordinary	(5,707)	(5,707)
2-Sep-2022	Vanguard Investments Australia Ltd.	BUY	36.74 AUD	Ordinary	9,150	9,150
5-Sep-2022	Vanguard Investments Australia Ltd.	BUY	37.91 AUD	Ordinary	104,500	104,500
5-Sep-2022	Vanguard Investments Australia Ltd.	BUY	37.91 AUD	Ordinary	1,461	1,461
5-Sep-2022	Vanguard Investments Australia Ltd.	BUY	37.91 AUD	Ordinary	7,746	7,746
6-Sep-2022	Vanguard Investments Australia Ltd.	BUY	37.27 AUD	Ordinary	8,182	8,182
7-Sep-2022	Vanguard Investments Australia Ltd.	BUY	36.27 AUD	Ordinary	18,366	18,366

This is Annexure A of 8 pages referred to in Form 603, Notice of initial substantial holder.

Signature:



Name: Shawn Acker

Capacity: Compliance Manager

Date: 12 September 2022