

**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 15 May 2020\*

*\*Vanguard recently updated its approach to the calculation methodology for this dual-listed security. This is the date on which Vanguard updated the calculation.*

**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>178,169,168</b>	<b>178,169,168</b>	<b>6.048%</b>

**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 – 178,169,168</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 other accounts of Vanguard Group	<b>Ordinary – 7,905,784</b>
<b>Vanguard Group</b>	<b>BNY Mellon</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 8,580,783</b>
<b>Vanguard Group</b>	<b>JP Morgan Chase Bank, N.A.</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 94,841,048</b>
<b>Vanguard Group</b>	<b>State Street Bank and Trust Company</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 21,810,687</b>
<b>Vanguard Group</b>	<b>Citibank</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 65,733</b>
<b>Vanguard Group</b>	<b>Various others</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 44,965,133</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 19 May 2020

## DIRECTIONS

- (1) If there are a number of substantial holders with similar or related interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 7 of the form.
  - (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
  - (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
  - (4) The voting shares of a company constitute one class unless divided into separate classes.
  - (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an Associate has a relevant interest in.
  - (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
  - (7) Include details of:
    - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
    - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).
- See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
  - (9) Details of the consideration must include any and all benefits, moneys and other, that any person from whom a relevant interest has acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder of its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

To Company  
ACN/ARSN

BHP Group Limited  
004 028 077

Substantial Holder Name  
ACN/ARSN

Vanguard Group  
N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
17-Jan-2020	The Vanguard Group, Inc.	BUY	40.28	Ordinary	20,724	20,724
17-Jan-2020	The Vanguard Group, Inc.	BUY	40.99	Ordinary	28,980	28,980
17-Jan-2020	The Vanguard Group, Inc.	BUY	40.99	Ordinary	25,760	25,760
17-Jan-2020	The Vanguard Group, Inc.	BUY	40.60	Ordinary	4,242	4,242
20-Jan-2020	The Vanguard Group, Inc.	BUY	40.92	Ordinary	4,504	4,504
20-Jan-2020	The Vanguard Group, Inc.	BUY	40.92	Ordinary	5,451	5,451
21-Jan-2020	The Vanguard Group, Inc.	BUY	40.74	Ordinary	5,460	5,460
21-Jan-2020	The Vanguard Group, Inc.	BUY	40.74	Ordinary	10,920	10,920
21-Jan-2020	The Vanguard Group, Inc.	BUY	40.74	Ordinary	30,405	30,405
21-Jan-2020	The Vanguard Group, Inc.	BUY	41.20	Ordinary	1,973	1,973
22-Jan-2020	The Vanguard Group, Inc.	BUY	40.83	Ordinary	28,830	28,830
22-Jan-2020	The Vanguard Group, Inc.	BUY	41.13	Ordinary	19,320	19,320
22-Jan-2020	The Vanguard Group, Inc.	BUY	41.21	Ordinary	959	959
22-Jan-2020	The Vanguard Group, Inc.	BUY	41.21	Ordinary	5,715	5,715
23-Jan-2020	The Vanguard Group, Inc.	BUY	40.81	Ordinary	5,980	5,980
23-Jan-2020	The Vanguard Group, Inc.	BUY	41.16	Ordinary	68,941	68,941
23-Jan-2020	The Vanguard Group, Inc.	BUY	40.81	Ordinary	16,100	16,100
23-Jan-2020	The Vanguard Group, Inc.	SELL	41.24	Ordinary	(23,556)	(23,556)
23-Jan-2020	The Vanguard Group, Inc.	BUY	40.81	Ordinary	5,469	5,469
23-Jan-2020	The Vanguard Group, Inc.	BUY	41.16	Ordinary	452	452
23-Jan-2020	The Vanguard Group, Inc.	BUY	41.08	Ordinary	2,170	2,170
23-Jan-2020	The Vanguard Group, Inc.	BUY	41.08	Ordinary	1,085	1,085
24-Jan-2020	The Vanguard Group, Inc.	BUY	40.65	Ordinary	14,198	14,198
28-Jan-2020	The Vanguard Group, Inc.	SELL	38.81	Ordinary	(1,229)	(1,229)
28-Jan-2020	The Vanguard Group, Inc.	BUY	38.81	Ordinary	64,684	64,684
28-Jan-2020	The Vanguard Group, Inc.	SELL	38.81	Ordinary	(2,667)	(2,667)
28-Jan-2020	The Vanguard Group, Inc.	BUY	39.10	Ordinary	1,553	1,553
29-Jan-2020	The Vanguard Group, Inc.	BUY	39.30	Ordinary	28,767	28,767
29-Jan-2020	The Vanguard Group, Inc.	BUY	39.30	Ordinary	21,480	21,480
29-Jan-2020	The Vanguard Group, Inc.	BUY	39.34	Ordinary	2,170	2,170
29-Jan-2020	The Vanguard Group, Inc.	BUY	39.34	Ordinary	834	834
30-Jan-2020	The Vanguard Group, Inc.	BUY	39.36	Ordinary	1,823	1,823
30-Jan-2020	The Vanguard Group, Inc.	BUY	39.00	Ordinary	1,683	1,683
30-Jan-2020	The Vanguard Group, Inc.	BUY	39.00	Ordinary	1,085	1,085
30-Jan-2020	The Vanguard Group, Inc.	BUY	39.00	Ordinary	1,085	1,085
31-Jan-2020	The Vanguard Group, Inc.	BUY	39.44	Ordinary	26,247	26,247
31-Jan-2020	The Vanguard Group, Inc.	BUY	38.31	Ordinary	19,320	19,320
31-Jan-2020	The Vanguard Group, Inc.	BUY	38.31	Ordinary	19,320	19,320
31-Jan-2020	The Vanguard Group, Inc.	BUY	39.44	Ordinary	649	649
31-Jan-2020	The Vanguard Group, Inc.	BUY	39.40	Ordinary	7,960	7,960
31-Jan-2020	The Vanguard Group, Inc.	BUY	39.40	Ordinary	659	659
31-Jan-2020	The Vanguard Group, Inc.	BUY	39.40	Ordinary	56,880	56,880
3-Feb-2020	The Vanguard Group, Inc.	BUY	37.99	Ordinary	20,930	20,930
3-Feb-2020	The Vanguard Group, Inc.	BUY	38.03	Ordinary	48,931	48,931
3-Feb-2020	The Vanguard Group, Inc.	BUY	38.25	Ordinary	17,145	17,145
4-Feb-2020	The Vanguard Group, Inc.	BUY	38.65	Ordinary	10,764	10,764
4-Feb-2020	The Vanguard Group, Inc.	BUY	38.08	Ordinary	63,666	63,666
4-Feb-2020	The Vanguard Group, Inc.	SELL	38.65	Ordinary	(7,584)	(7,584)
4-Feb-2020	The Vanguard Group, Inc.	BUY	38.65	Ordinary	8,076	8,076
4-Feb-2020	The Vanguard Group, Inc.	BUY	38.65	Ordinary	32,304	32,304
4-Feb-2020	The Vanguard Group, Inc.	BUY	38.08	Ordinary	1,721	1,721
4-Feb-2020	The Vanguard Group, Inc.	SELL	38.00	Ordinary	(7,779)	(7,779)
4-Feb-2020	The Vanguard Group, Inc.	BUY	38.31	Ordinary	188	188
4-Feb-2020	The Vanguard Group, Inc.	BUY	38.31	Ordinary	3,255	3,255
4-Feb-2020	The Vanguard Group, Inc.	BUY	38.31	Ordinary	6,608	6,608
4-Feb-2020	The Vanguard Group, Inc.	BUY	38.31	Ordinary	1,553	1,553
5-Feb-2020	The Vanguard Group, Inc.	SELL	38.80	Ordinary	(825)	(825)
5-Feb-2020	The Vanguard Group, Inc.	BUY	39.14	Ordinary	14,950	14,950
5-Feb-2020	The Vanguard Group, Inc.	BUY	39.14	Ordinary	61,066	61,066
5-Feb-2020	The Vanguard Group, Inc.	BUY	39.14	Ordinary	22,498	22,498
6-Feb-2020	The Vanguard Group, Inc.	BUY	39.27	Ordinary	86,504	86,504
6-Feb-2020	The Vanguard Group, Inc.	BUY	39.15	Ordinary	5,469	5,469

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-Feb-2020	The Vanguard Group, Inc.	BUY	38.32	Ordinary	4,784	4,784
10-Feb-2020	The Vanguard Group, Inc.	BUY	38.30	Ordinary	28,926	28,926
10-Feb-2020	The Vanguard Group, Inc.	BUY	38.40	Ordinary	2,170	2,170
10-Feb-2020	The Vanguard Group, Inc.	BUY	38.40	Ordinary	5,715	5,715
11-Feb-2020	The Vanguard Group, Inc.	BUY	38.44	Ordinary	19,284	19,284
11-Feb-2020	The Vanguard Group, Inc.	BUY	38.56	Ordinary	2,343	2,343
11-Feb-2020	The Vanguard Group, Inc.	BUY	38.56	Ordinary	1,553	1,553
11-Feb-2020	The Vanguard Group, Inc.	BUY	38.56	Ordinary	1,553	1,553
12-Feb-2020	The Vanguard Group, Inc.	BUY	38.55	Ordinary	26,291	26,291
12-Feb-2020	The Vanguard Group, Inc.	BUY	38.55	Ordinary	1,084	1,084
12-Feb-2020	The Vanguard Group, Inc.	BUY	38.40	Ordinary	51,284	51,284
13-Feb-2020	The Vanguard Group, Inc.	SELL	38.81	Ordinary	(1,079)	(1,079)
13-Feb-2020	The Vanguard Group, Inc.	BUY	38.65	Ordinary	41,782	41,782
13-Feb-2020	The Vanguard Group, Inc.	BUY	38.65	Ordinary	3,646	3,646
13-Feb-2020	The Vanguard Group, Inc.	BUY	38.54	Ordinary	1,085	1,085
13-Feb-2020	The Vanguard Group, Inc.	BUY	38.54	Ordinary	1,085	1,085
13-Feb-2020	The Vanguard Group, Inc.	BUY	38.54	Ordinary	1,553	1,553
13-Feb-2020	The Vanguard Group, Inc.	SELL	38.81	Ordinary	(23,205)	(23,205)
14-Feb-2020	The Vanguard Group, Inc.	BUY	38.52	Ordinary	24,724	24,724
14-Feb-2020	The Vanguard Group, Inc.	BUY	38.52	Ordinary	19,284	19,284
14-Feb-2020	The Vanguard Group, Inc.	SELL	38.65	Ordinary	(27,077)	(27,077)
18-Feb-2020	The Vanguard Group, Inc.	BUY	38.78	Ordinary	8,610	8,610
19-Feb-2020	The Vanguard Group, Inc.	BUY	38.45	Ordinary	65,306	65,306
19-Feb-2020	The Vanguard Group, Inc.	BUY	38.50	Ordinary	63,189	63,189
19-Feb-2020	The Vanguard Group, Inc.	BUY	38.51	Ordinary	16,070	16,070
20-Feb-2020	The Vanguard Group, Inc.	BUY	38.68	Ordinary	60,433	60,433
20-Feb-2020	The Vanguard Group, Inc.	BUY	38.52	Ordinary	40,047	40,047
21-Feb-2020	The Vanguard Group, Inc.	BUY	38.38	Ordinary	70,481	70,481
21-Feb-2020	The Vanguard Group, Inc.	BUY	38.05	Ordinary	25,712	25,712
21-Feb-2020	The Vanguard Group, Inc.	BUY	38.38	Ordinary	1,374	1,374
21-Feb-2020	The Vanguard Group, Inc.	BUY	38.22	Ordinary	1,738	1,738
21-Feb-2020	The Vanguard Group, Inc.	BUY	38.22	Ordinary	4,459	4,459
24-Feb-2020	The Vanguard Group, Inc.	SELL	36.31	Ordinary	(14,060)	(14,060)
24-Feb-2020	The Vanguard Group, Inc.	BUY	37.93	Ordinary	20,852	20,852
25-Feb-2020	The Vanguard Group, Inc.	SELL	35.39	Ordinary	(5,624)	(5,624)
25-Feb-2020	The Vanguard Group, Inc.	SELL	36.50	Ordinary	(12,501)	(12,501)
25-Feb-2020	The Vanguard Group, Inc.	BUY	36.33	Ordinary	67,422	67,422
25-Feb-2020	The Vanguard Group, Inc.	BUY	36.47	Ordinary	68,325	68,325
25-Feb-2020	The Vanguard Group, Inc.	BUY	35.39	Ordinary	19,284	19,284
25-Feb-2020	The Vanguard Group, Inc.	SELL	35.39	Ordinary	(4,765)	(4,765)
25-Feb-2020	The Vanguard Group, Inc.	BUY	35.39	Ordinary	1,823	1,823
25-Feb-2020	The Vanguard Group, Inc.	BUY	36.33	Ordinary	1,532	1,532
25-Feb-2020	The Vanguard Group, Inc.	BUY	36.33	Ordinary	185	185
25-Feb-2020	The Vanguard Group, Inc.	SELL	36.33	Ordinary	(61,290)	(61,290)
26-Feb-2020	The Vanguard Group, Inc.	BUY	35.64	Ordinary	58,388	58,388
26-Feb-2020	The Vanguard Group, Inc.	BUY	35.64	Ordinary	51,312	51,312
26-Feb-2020	The Vanguard Group, Inc.	BUY	35.55	Ordinary	58,799	58,799
26-Feb-2020	The Vanguard Group, Inc.	BUY	35.29	Ordinary	5,469	5,469
26-Feb-2020	The Vanguard Group, Inc.	BUY	35.29	Ordinary	3,646	3,646
26-Feb-2020	The Vanguard Group, Inc.	BUY	35.64	Ordinary	2,236	2,236
26-Feb-2020	The Vanguard Group, Inc.	BUY	35.55	Ordinary	5,745	5,745
26-Feb-2020	The Vanguard Group, Inc.	BUY	35.55	Ordinary	4,129	4,129
27-Feb-2020	The Vanguard Group, Inc.	BUY	34.23	Ordinary	11,362	11,362
27-Feb-2020	The Vanguard Group, Inc.	BUY	35.63	Ordinary	71,868	71,868
27-Feb-2020	The Vanguard Group, Inc.	BUY	35.19	Ordinary	136	136
27-Feb-2020	The Vanguard Group, Inc.	BUY	35.63	Ordinary	16,992	16,992
28-Feb-2020	The Vanguard Group, Inc.	BUY	33.60	Ordinary	150,720	150,720
28-Feb-2020	The Vanguard Group, Inc.	BUY	33.88	Ordinary	57,112	57,112
28-Feb-2020	The Vanguard Group, Inc.	BUY	33.88	Ordinary	79,724	79,724
28-Feb-2020	The Vanguard Group, Inc.	BUY	33.88	Ordinary	24,297	24,297
28-Feb-2020	The Vanguard Group, Inc.	BUY	33.88	Ordinary	429	429
28-Feb-2020	The Vanguard Group, Inc.	SELL	33.62	Ordinary	(12,058)	(12,058)
2-Mar-2020	The Vanguard Group, Inc.	SELL	33.09	Ordinary	(1,788)	(1,788)
2-Mar-2020	The Vanguard Group, Inc.	SELL	33.97	Ordinary	(25,712)	(25,712)
3-Mar-2020	The Vanguard Group, Inc.	BUY	33.99	Ordinary	1,085	1,085
3-Mar-2020	The Vanguard Group, Inc.	BUY	33.99	Ordinary	998	998
4-Mar-2020	The Vanguard Group, Inc.	BUY	33.75	Ordinary	39,720	39,720
4-Mar-2020	The Vanguard Group, Inc.	BUY	33.66	Ordinary	1,141	1,141
4-Mar-2020	The Vanguard Group, Inc.	BUY	33.66	Ordinary	2,170	2,170

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-Mar-2020	The Vanguard Group, Inc.	BUY	33.66	Ordinary	1,085	1,085
4-Mar-2020	The Vanguard Group, Inc.	BUY	33.66	Ordinary	1,085	1,085
5-Mar-2020	The Vanguard Group, Inc.	BUY	34.12	Ordinary	21,254	21,254
5-Mar-2020	The Vanguard Group, Inc.	BUY	34.12	Ordinary	3,308	3,308
5-Mar-2020	The Vanguard Group, Inc.	BUY	33.42	Ordinary	1,355	1,355
5-Mar-2020	The Vanguard Group, Inc.	SELL	34.12	Ordinary	(1,318)	(1,318)
5-Mar-2020	The Vanguard Group, Inc.	BUY	33.42	Ordinary	2,395	2,395
5-Mar-2020	The Vanguard Group, Inc.	BUY	34.12	Ordinary	20,282	20,282
5-Mar-2020	The Vanguard Group, Inc.	SELL	33.42	Ordinary	(355,275)	(355,275)
6-Mar-2020	The Vanguard Group, Inc.	SELL	32.24	Ordinary	(19,284)	(19,284)
6-Mar-2020	The Vanguard Group, Inc.	BUY	32.65	Ordinary	738	738
6-Mar-2020	The Vanguard Group, Inc.	BUY	32.19	Ordinary	1,553	1,553
6-Mar-2020	The Vanguard Group, Inc.	SELL	32.19	Ordinary	(260,045)	(260,045)
9-Mar-2020	The Vanguard Group, Inc.	SELL	27.55	Ordinary	(64,539)	(64,539)
10-Mar-2020	The Vanguard Group, Inc.	SELL	27.00	Ordinary	(2,883)	(2,883)
10-Mar-2020	The Vanguard Group, Inc.	BUY	27.00	Ordinary	220,843	220,843
10-Mar-2020	The Vanguard Group, Inc.	SELL	29.11	Ordinary	(16,070)	(16,070)
10-Mar-2020	The Vanguard Group, Inc.	BUY	29.11	Ordinary	4,192	4,192
10-Mar-2020	The Vanguard Group, Inc.	BUY	29.25	Ordinary	3,054	3,054
10-Mar-2020	The Vanguard Group, Inc.	BUY	29.25	Ordinary	1,085	1,085
10-Mar-2020	The Vanguard Group, Inc.	SELL	29.25	Ordinary	(18,683)	(18,683)
10-Mar-2020	The Vanguard Group, Inc.	BUY	29.25	Ordinary	3,141	3,141
11-Mar-2020	The Vanguard Group, Inc.	SELL	28.87	Ordinary	(4,283)	(4,283)
11-Mar-2020	The Vanguard Group, Inc.	BUY	28.84	Ordinary	190,604	190,604
11-Mar-2020	The Vanguard Group, Inc.	SELL	27.39	Ordinary	(9,642)	(9,642)
11-Mar-2020	The Vanguard Group, Inc.	BUY	28.84	Ordinary	12,916	12,916
11-Mar-2020	The Vanguard Group, Inc.	BUY	28.52	Ordinary	959	959
12-Mar-2020	The Vanguard Group, Inc.	BUY	27.79	Ordinary	93,179	93,179
12-Mar-2020	The Vanguard Group, Inc.	SELL	24.62	Ordinary	(35,354)	(35,354)
12-Mar-2020	The Vanguard Group, Inc.	BUY	24.62	Ordinary	13,875	13,875
12-Mar-2020	The Vanguard Group, Inc.	BUY	26.33	Ordinary	1,085	1,085
12-Mar-2020	The Vanguard Group, Inc.	BUY	26.33	Ordinary	2,170	2,170
12-Mar-2020	The Vanguard Group, Inc.	BUY	26.33	Ordinary	10,133	10,133
13-Mar-2020	The Vanguard Group, Inc.	BUY	24.98	Ordinary	222,593	222,593
13-Mar-2020	The Vanguard Group, Inc.	BUY	26.48	Ordinary	210,985	210,985
13-Mar-2020	The Vanguard Group, Inc.	BUY	28.08	Ordinary	6,629	6,629
13-Mar-2020	The Vanguard Group, Inc.	BUY	26.72	Ordinary	90,074	90,074
13-Mar-2020	The Vanguard Group, Inc.	BUY	26.72	Ordinary	1,553	1,553
13-Mar-2020	The Vanguard Group, Inc.	BUY	26.72	Ordinary	891	891
13-Mar-2020	The Vanguard Group, Inc.	BUY	26.72	Ordinary	8,641	8,641
16-Mar-2020	The Vanguard Group, Inc.	SELL	25.97	Ordinary	(8,334)	(8,334)
16-Mar-2020	The Vanguard Group, Inc.	SELL	25.97	Ordinary	(8,076)	(8,076)
16-Mar-2020	The Vanguard Group, Inc.	BUY	25.97	Ordinary	3,646	3,646
16-Mar-2020	The Vanguard Group, Inc.	BUY	25.97	Ordinary	1,823	1,823
16-Mar-2020	The Vanguard Group, Inc.	BUY	25.20	Ordinary	1,888	1,888
16-Mar-2020	The Vanguard Group, Inc.	BUY	25.20	Ordinary	3,106	3,106
16-Mar-2020	The Vanguard Group, Inc.	BUY	25.20	Ordinary	791	791
16-Mar-2020	The Vanguard Group, Inc.	BUY	25.80	Ordinary	2,170	2,170
16-Mar-2020	The Vanguard Group, Inc.	BUY	25.20	Ordinary	1,085	1,085
16-Mar-2020	The Vanguard Group, Inc.	BUY	25.20	Ordinary	5,746	5,746
17-Mar-2020	The Vanguard Group, Inc.	SELL	29.04	Ordinary	(11,112)	(11,112)
17-Mar-2020	The Vanguard Group, Inc.	BUY	26.59	Ordinary	286,960	286,960
17-Mar-2020	The Vanguard Group, Inc.	BUY	29.04	Ordinary	5,980	5,980
17-Mar-2020	The Vanguard Group, Inc.	BUY	29.04	Ordinary	5,382	5,382
17-Mar-2020	The Vanguard Group, Inc.	SELL	29.04	Ordinary	(25,712)	(25,712)
17-Mar-2020	The Vanguard Group, Inc.	SELL	29.04	Ordinary	(32,140)	(32,140)
17-Mar-2020	The Vanguard Group, Inc.	BUY	29.04	Ordinary	18,411	18,411
17-Mar-2020	The Vanguard Group, Inc.	BUY	29.04	Ordinary	5,469	5,469
17-Mar-2020	The Vanguard Group, Inc.	BUY	29.04	Ordinary	3,646	3,646
17-Mar-2020	The Vanguard Group, Inc.	SELL	28.21	Ordinary	(2,131)	(2,131)
17-Mar-2020	The Vanguard Group, Inc.	BUY	28.21	Ordinary	285	285
17-Mar-2020	The Vanguard Group, Inc.	BUY	26.59	Ordinary	1,417	1,417
17-Mar-2020	The Vanguard Group, Inc.	BUY	28.21	Ordinary	1,007	1,007
17-Mar-2020	The Vanguard Group, Inc.	BUY	28.21	Ordinary	82,309	82,309
17-Mar-2020	The Vanguard Group, Inc.	BUY	28.21	Ordinary	5,466	5,466
18-Mar-2020	The Vanguard Group, Inc.	BUY	28.11	Ordinary	278,916	278,916
18-Mar-2020	The Vanguard Group, Inc.	BUY	27.14	Ordinary	1,085	1,085
18-Mar-2020	The Vanguard Group, Inc.	BUY	27.14	Ordinary	2,170	2,170
19-Mar-2020	The Vanguard Group, Inc.	BUY	28.09	Ordinary	252,326	252,326

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19-Mar-2020	The Vanguard Group, Inc.	BUY	28.41	Ordinary	11,362	11,362
19-Mar-2020	The Vanguard Group, Inc.	BUY	28.09	Ordinary	257	257
19-Mar-2020	The Vanguard Group, Inc.	SELL	27.34	Ordinary	(306)	(306)
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.07	Ordinary	(13,890)	(13,890)
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.55	Ordinary	267,086	267,086
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.28	Ordinary	(183,245)	(183,245)
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.28	Ordinary	(69,196)	(69,196)
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.07	Ordinary	3,876	3,876
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.28	Ordinary	(26,277)	(26,277)
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.07	Ordinary	5,469	5,469
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.28	Ordinary	(8,027)	(8,027)
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.60	Ordinary	35,982	35,982
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.28	Ordinary	(970)	(970)
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.28	Ordinary	(196)	(196)
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.01	Ordinary	1,085	1,085
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.28	Ordinary	(917)	(917)
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.28	Ordinary	(3,836)	(3,836)
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.01	Ordinary	(4,259)	(4,259)
23-Mar-2020	The Vanguard Group, Inc.	SELL	27.59	Ordinary	(11,112)	(11,112)
23-Mar-2020	The Vanguard Group, Inc.	SELL	26.00	Ordinary	(6,257)	(6,257)
23-Mar-2020	The Vanguard Group, Inc.	SELL	26.00	Ordinary	(2,320)	(2,320)
23-Mar-2020	The Vanguard Group, Inc.	BUY	27.59	Ordinary	8,721	8,721
23-Mar-2020	The Vanguard Group, Inc.	BUY	27.03	Ordinary	1,675	1,675
23-Mar-2020	The Vanguard Group, Inc.	BUY	27.03	Ordinary	1,085	1,085
23-Mar-2020	The Vanguard Group, Inc.	BUY	27.03	Ordinary	5,738	5,738
23-Mar-2020	The Vanguard Group, Inc.	BUY	27.03	Ordinary	809	809
24-Mar-2020	The Vanguard Group, Inc.	SELL	27.50	Ordinary	(17,565)	(17,565)
24-Mar-2020	The Vanguard Group, Inc.	BUY	27.83	Ordinary	185,451	185,451
24-Mar-2020	The Vanguard Group, Inc.	BUY	28.40	Ordinary	1,085	1,085
25-Mar-2020	The Vanguard Group, Inc.	BUY	30.71	Ordinary	206,895	206,895
25-Mar-2020	The Vanguard Group, Inc.	BUY	30.71	Ordinary	23,034	23,034
25-Mar-2020	The Vanguard Group, Inc.	SELL	31.23	Ordinary	(8,076)	(8,076)
25-Mar-2020	The Vanguard Group, Inc.	BUY	31.30	Ordinary	11,402	11,402
25-Mar-2020	The Vanguard Group, Inc.	BUY	31.30	Ordinary	455	455
26-Mar-2020	The Vanguard Group, Inc.	SELL	31.56	Ordinary	(8,334)	(8,334)
26-Mar-2020	The Vanguard Group, Inc.	BUY	31.49	Ordinary	22,777	22,777
26-Mar-2020	The Vanguard Group, Inc.	BUY	31.49	Ordinary	5,480	5,480
27-Mar-2020	The Vanguard Group, Inc.	BUY	29.03	Ordinary	27,219	27,219
27-Mar-2020	The Vanguard Group, Inc.	BUY	29.03	Ordinary	14,859	14,859
27-Mar-2020	The Vanguard Group, Inc.	BUY	31.02	Ordinary	10,422	10,422
27-Mar-2020	The Vanguard Group, Inc.	BUY	29.03	Ordinary	288	288
27-Mar-2020	The Vanguard Group, Inc.	BUY	29.03	Ordinary	2,170	2,170
27-Mar-2020	The Vanguard Group, Inc.	BUY	29.03	Ordinary	2,170	2,170
27-Mar-2020	The Vanguard Group, Inc.	BUY	29.03	Ordinary	915	915
27-Mar-2020	The Vanguard Group, Inc.	BUY	29.03	Ordinary	110,515	110,515
30-Mar-2020	The Vanguard Group, Inc.	SELL	30.19	Ordinary	(12,782)	(12,782)
30-Mar-2020	The Vanguard Group, Inc.	BUY	30.20	Ordinary	14,559	14,559
30-Mar-2020	The Vanguard Group, Inc.	BUY	30.20	Ordinary	5,672	5,672
31-Mar-2020	The Vanguard Group, Inc.	BUY	30.33	Ordinary	26,099	26,099
31-Mar-2020	The Vanguard Group, Inc.	SELL	28.98	Ordinary	(97,251)	(97,251)
31-Mar-2020	The Vanguard Group, Inc.	BUY	28.98	Ordinary	1,085	1,085
31-Mar-2020	The Vanguard Group, Inc.	BUY	28.98	Ordinary	890	890
31-Mar-2020	The Vanguard Group, Inc.	BUY	28.98	Ordinary	33,842	33,842
1-Apr-2020	The Vanguard Group, Inc.	SELL	29.95	Ordinary	(97,113)	(97,113)
1-Apr-2020	The Vanguard Group, Inc.	BUY	29.95	Ordinary	20,262	20,262
1-Apr-2020	The Vanguard Group, Inc.	BUY	29.95	Ordinary	26,739	26,739
1-Apr-2020	The Vanguard Group, Inc.	SELL	29.46	Ordinary	(3,652)	(3,652)
1-Apr-2020	The Vanguard Group, Inc.	SELL	29.46	Ordinary	(3,652)	(3,652)
1-Apr-2020	The Vanguard Group, Inc.	BUY	29.95	Ordinary	9,244	9,244
1-Apr-2020	The Vanguard Group, Inc.	BUY	29.95	Ordinary	1,988	1,988
1-Apr-2020	The Vanguard Group, Inc.	BUY	29.95	Ordinary	686	686
1-Apr-2020	The Vanguard Group, Inc.	BUY	30.23	Ordinary	11,342	11,342
1-Apr-2020	The Vanguard Group, Inc.	BUY	30.23	Ordinary	4,888	4,888
2-Apr-2020	The Vanguard Group, Inc.	BUY	30.96	Ordinary	5,980	5,980
2-Apr-2020	The Vanguard Group, Inc.	BUY	29.50	Ordinary	1,475	1,475
3-Apr-2020	The Vanguard Group, Inc.	SELL	31.12	Ordinary	(4,072)	(4,072)
3-Apr-2020	The Vanguard Group, Inc.	BUY	31.12	Ordinary	6,560	6,560
6-Apr-2020	The Vanguard Group, Inc.	BUY	30.70	Ordinary	25,084	25,084
6-Apr-2020	The Vanguard Group, Inc.	SELL	30.70	Ordinary	(742)	(742)

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6-Apr-2020	The Vanguard Group, Inc.	BUY	31.79	Ordinary	1,085	1,085
7-Apr-2020	The Vanguard Group, Inc.	BUY	31.99	Ordinary	7,450	7,450
7-Apr-2020	The Vanguard Group, Inc.	SELL	31.99	Ordinary	(1,049)	(1,049)
7-Apr-2020	The Vanguard Group, Inc.	BUY	31.70	Ordinary	1,085	1,085
7-Apr-2020	The Vanguard Group, Inc.	BUY	31.70	Ordinary	17,010	17,010
7-Apr-2020	The Vanguard Group, Inc.	BUY	31.70	Ordinary	2,000	2,000
7-Apr-2020	The Vanguard Group, Inc.	SELL	31.70	Ordinary	(1,520)	(1,520)
7-Apr-2020	The Vanguard Group, Inc.	SELL	31.99	Ordinary	(1,188)	(1,188)
8-Apr-2020	The Vanguard Group, Inc.	BUY	31.66	Ordinary	7,774	7,774
8-Apr-2020	The Vanguard Group, Inc.	BUY	31.33	Ordinary	23,145	23,145
8-Apr-2020	The Vanguard Group, Inc.	BUY	31.33	Ordinary	522	522
9-Apr-2020	The Vanguard Group, Inc.	BUY	31.50	Ordinary	3,532	3,532
14-Apr-2020	The Vanguard Group, Inc.	SELL	31.66	Ordinary	(1,377)	(1,377)
15-Apr-2020	The Vanguard Group, Inc.	SELL	31.38	Ordinary	(888)	(888)
15-Apr-2020	The Vanguard Group, Inc.	SELL	30.44	Ordinary	(12,940)	(12,940)
15-Apr-2020	The Vanguard Group, Inc.	SELL	30.44	Ordinary	(29,115)	(29,115)
15-Apr-2020	The Vanguard Group, Inc.	SELL	30.44	Ordinary	(25,880)	(25,880)
15-Apr-2020	The Vanguard Group, Inc.	BUY	31.38	Ordinary	16,661	16,661
15-Apr-2020	The Vanguard Group, Inc.	BUY	31.43	Ordinary	1,519	1,519
15-Apr-2020	The Vanguard Group, Inc.	BUY	31.43	Ordinary	1,040	1,040
16-Apr-2020	The Vanguard Group, Inc.	BUY	30.25	Ordinary	1,847	1,847
16-Apr-2020	The Vanguard Group, Inc.	BUY	30.79	Ordinary	5,666	5,666
17-Apr-2020	The Vanguard Group, Inc.	BUY	31.38	Ordinary	4,186	4,186
17-Apr-2020	The Vanguard Group, Inc.	BUY	31.38	Ordinary	10,095	10,095
17-Apr-2020	The Vanguard Group, Inc.	BUY	31.21	Ordinary	1,102	1,102
20-Apr-2020	The Vanguard Group, Inc.	BUY	30.52	Ordinary	8,372	8,372
20-Apr-2020	The Vanguard Group, Inc.	BUY	30.52	Ordinary	4,784	4,784
20-Apr-2020	The Vanguard Group, Inc.	SELL	30.82	Ordinary	(720)	(720)
21-Apr-2020	The Vanguard Group, Inc.	SELL	30.27	Ordinary	(86,280)	(86,280)
21-Apr-2020	The Vanguard Group, Inc.	BUY	30.25	Ordinary	12,915	12,915
22-Apr-2020	The Vanguard Group, Inc.	BUY	29.29	Ordinary	3,809	3,809
22-Apr-2020	The Vanguard Group, Inc.	BUY	29.29	Ordinary	18,291	18,291
24-Apr-2020	The Vanguard Group, Inc.	SELL	30.12	Ordinary	(3,654)	(3,654)
24-Apr-2020	The Vanguard Group, Inc.	BUY	30.12	Ordinary	8,927	8,927
27-Apr-2020	The Vanguard Group, Inc.	SELL	30.55	Ordinary	(5,894)	(5,894)
28-Apr-2020	The Vanguard Group, Inc.	BUY	30.72	Ordinary	5,980	5,980
30-Apr-2020	The Vanguard Group, Inc.	SELL	31.33	Ordinary	(29,133)	(29,133)
30-Apr-2020	The Vanguard Group, Inc.	SELL	31.33	Ordinary	(4,210)	(4,210)
30-Apr-2020	The Vanguard Group, Inc.	BUY	32.00	Ordinary	16,276	16,276
30-Apr-2020	The Vanguard Group, Inc.	SELL	32.35	Ordinary	(17,833)	(17,833)
30-Apr-2020	The Vanguard Group, Inc.	BUY	32.35	Ordinary	1,406	1,406
1-May-2020	The Vanguard Group, Inc.	SELL	29.86	Ordinary	(11,400)	(11,400)
1-May-2020	The Vanguard Group, Inc.	SELL	29.86	Ordinary	(38,844)	(38,844)
1-May-2020	The Vanguard Group, Inc.	SELL	29.86	Ordinary	(4,210)	(4,210)
4-May-2020	The Vanguard Group, Inc.	BUY	29.50	Ordinary	2,389	2,389
6-May-2020	The Vanguard Group, Inc.	BUY	30.41	Ordinary	12,423	12,423
7-May-2020	The Vanguard Group, Inc.	SELL	30.70	Ordinary	(2,012)	(2,012)
7-May-2020	The Vanguard Group, Inc.	SELL	30.70	Ordinary	(1,267)	(1,267)
7-May-2020	The Vanguard Group, Inc.	BUY	30.70	Ordinary	3,150	3,150
7-May-2020	The Vanguard Group, Inc.	BUY	30.70	Ordinary	1,319	1,319
7-May-2020	The Vanguard Group, Inc.	BUY	31.00	Ordinary	1,085	1,085
8-May-2020	The Vanguard Group, Inc.	SELL	31.65	Ordinary	(19,747)	(19,747)
8-May-2020	The Vanguard Group, Inc.	SELL	31.40	Ordinary	(19,268)	(19,268)
11-May-2020	The Vanguard Group, Inc.	SELL	31.55	Ordinary	(40,684)	(40,684)
12-May-2020	The Vanguard Group, Inc.	BUY	30.72	Ordinary	1,085	1,085
12-May-2020	The Vanguard Group, Inc.	SELL	31.30	Ordinary	(1,801)	(1,801)
13-May-2020	The Vanguard Group, Inc.	BUY	30.20	Ordinary	49	49
13-May-2020	The Vanguard Group, Inc.	BUY	31.01	Ordinary	5,655	5,655
14-May-2020	The Vanguard Group, Inc.	SELL	30.76	Ordinary	(7,895)	(7,895)
15-May-2020	The Vanguard Group, Inc.	SELL	31.20	Ordinary	(3,702)	(3,702)
15-May-2020	The Vanguard Group, Inc.	BUY	31.20	Ordinary	18,862	18,862
15-May-2020	The Vanguard Group, Inc.	BUY	31.20	Ordinary	10,684	10,684
15-May-2020	The Vanguard Group, Inc.	BUY	31.67	Ordinary	5,653	5,653
15-May-2020	The Vanguard Group, Inc.	SELL	31.20	Ordinary	(11,436)	(11,436)
17-Jan-2020	Vanguard Investments Australia Ltd.	BUY	40.60	Ordinary	9,660	9,660
21-Jan-2020	Vanguard Investments Australia Ltd.	SELL	41.20	Ordinary	(30,571)	(30,571)
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	41.20	Ordinary	40,335	40,335
23-Jan-2020	Vanguard Investments Australia Ltd.	BUY	41.08	Ordinary	9,660	9,660
24-Jan-2020	Vanguard Investments Australia Ltd.	SELL	40.45	Ordinary	(7,249)	(7,249)

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29-Jan-2020	Vanguard Investments Australia Ltd.	BUY	39.34	Ordinary	12,880	12,880
30-Jan-2020	Vanguard Investments Australia Ltd.	BUY	39.00	Ordinary	40,260	40,260
31-Jan-2020	Vanguard Investments Australia Ltd.	BUY	39.44	Ordinary	40,052	40,052
3-Feb-2020	Vanguard Investments Australia Ltd.	SELL	38.35	Ordinary	(22,780)	(22,780)
5-Feb-2020	Vanguard Investments Australia Ltd.	BUY	38.89	Ordinary	3,469	3,469
7-Feb-2020	Vanguard Investments Australia Ltd.	BUY	38.77	Ordinary	26,840	26,840
10-Feb-2020	Vanguard Investments Australia Ltd.	BUY	38.40	Ordinary	33,341	33,341
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	38.56	Ordinary	53,700	53,700
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	38.55	Ordinary	95,056	95,056
12-Feb-2020	Vanguard Investments Australia Ltd.	SELL	38.40	Ordinary	(34,435)	(34,435)
13-Feb-2020	Vanguard Investments Australia Ltd.	SELL	38.54	Ordinary	(16,100)	(16,100)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	38.50	Ordinary	(186)	(186)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	38.47	Ordinary	(10,413)	(10,413)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	38.47	Ordinary	(16,003)	(16,003)
18-Feb-2020	Vanguard Investments Australia Ltd.	BUY	38.78	Ordinary	3,472	3,472
19-Feb-2020	Vanguard Investments Australia Ltd.	BUY	38.50	Ordinary	3,881	3,881
19-Feb-2020	Vanguard Investments Australia Ltd.	BUY	38.50	Ordinary	399	399
26-Feb-2020	Vanguard Investments Australia Ltd.	SELL	35.64	Ordinary	(15,270)	(15,270)
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	35.55	Ordinary	202	202
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	35.55	Ordinary	43,152	43,152
27-Feb-2020	Vanguard Investments Australia Ltd.	BUY	35.19	Ordinary	211,240	211,240
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	33.60	Ordinary	(21,816)	(21,816)
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	33.60	Ordinary	(33,209)	(33,209)
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	33.62	Ordinary	(978)	(978)
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	33.60	Ordinary	40,455	40,455
2-Mar-2020	Vanguard Investments Australia Ltd.	SELL	33.35	Ordinary	(21,898)	(21,898)
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.99	Ordinary	9,744	9,744
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.99	Ordinary	72,846	72,846
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.66	Ordinary	31,200	31,200
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.66	Ordinary	369	369
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.66	Ordinary	12,992	12,992
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.66	Ordinary	45,883	45,883
5-Mar-2020	Vanguard Investments Australia Ltd.	SELL	33.42	Ordinary	(11,876)	(11,876)
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.42	Ordinary	6,910	6,910
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.42	Ordinary	1,530	1,530
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.42	Ordinary	13,060	13,060
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.42	Ordinary	24,968	24,968
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.42	Ordinary	30,635	30,635
6-Mar-2020	Vanguard Investments Australia Ltd.	SELL	32.19	Ordinary	(27,065)	(27,065)
9-Mar-2020	Vanguard Investments Australia Ltd.	SELL	27.55	Ordinary	(13,294)	(13,294)
9-Mar-2020	Vanguard Investments Australia Ltd.	SELL	27.55	Ordinary	(258)	(258)
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	16,330	16,330
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	19,596	19,596
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	3,466	3,466
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	94,745	94,745
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	116,316	116,316
10-Mar-2020	Vanguard Investments Australia Ltd.	SELL	29.25	Ordinary	(6,905)	(6,905)
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.25	Ordinary	45,699	45,699
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.25	Ordinary	145,173	145,173
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.10	Ordinary	13,835	13,835
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.52	Ordinary	142	142
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.52	Ordinary	392	392
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.52	Ordinary	29,394	29,394
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.52	Ordinary	19,596	19,596
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.52	Ordinary	67,775	67,775
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.52	Ordinary	54,220	54,220
12-Mar-2020	Vanguard Investments Australia Ltd.	SELL	26.33	Ordinary	(12,154)	(12,154)
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.33	Ordinary	3,504	3,504
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.33	Ordinary	13,064	13,064
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.33	Ordinary	81,270	81,270
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.33	Ordinary	46,053	46,053
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.33	Ordinary	294,276	294,276
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	26.72	Ordinary	(34,319)	(34,319)
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	26.72	Ordinary	(1,657)	(1,657)
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	26.72	Ordinary	(1,006)	(1,006)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.72	Ordinary	106,445	106,445
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	26.72	Ordinary	(18,960)	(18,960)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.72	Ordinary	26,136	26,136
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.72	Ordinary	21,534	21,534

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13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.72	Ordinary	81,300	81,300
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.72	Ordinary	178,517	178,517
16-Mar-2020	Vanguard Investments Australia Ltd.	SELL	25.20	Ordinary	(7,397)	(7,397)
16-Mar-2020	Vanguard Investments Australia Ltd.	BUY	25.20	Ordinary	94,850	94,850
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	28.21	Ordinary	(44,714)	(44,714)
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.71	Ordinary	10,555	10,555
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.21	Ordinary	3,504	3,504
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.21	Ordinary	26,136	26,136
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.21	Ordinary	19,602	19,602
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.21	Ordinary	11,724	11,724
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.21	Ordinary	67,700	67,700
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	27.14	Ordinary	(48,390)	(48,390)
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	27.14	Ordinary	(16,232)	(16,232)
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.14	Ordinary	81,270	81,270
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.14	Ordinary	118,609	118,609
19-Mar-2020	Vanguard Investments Australia Ltd.	SELL	27.34	Ordinary	(8,256)	(8,256)
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.07	Ordinary	1,307	1,307
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.34	Ordinary	9,804	9,804
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.34	Ordinary	62,399	62,399
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	27.01	Ordinary	(4,602)	(4,602)
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	27.01	Ordinary	(8,011)	(8,011)
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	27.01	Ordinary	(21,160)	(21,160)
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.01	Ordinary	84,134	84,134
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.03	Ordinary	4,619	4,619
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.03	Ordinary	38,024	38,024
24-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.40	Ordinary	8,336	8,336
24-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.40	Ordinary	205	205
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.67	Ordinary	274	274
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.67	Ordinary	40,725	40,725
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.24	Ordinary	73,331	73,331
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.48	Ordinary	49	49
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.24	Ordinary	5,784	5,784
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.48	Ordinary	4	4
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.24	Ordinary	10,688	10,688
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.48	Ordinary	7	7
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.24	Ordinary	8,113	8,113
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.48	Ordinary	5	5
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.24	Ordinary	11,641	11,641
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.48	Ordinary	8	8
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.24	Ordinary	98,846	98,846
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.48	Ordinary	66	66
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.24	Ordinary	40,093	40,093
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.48	Ordinary	27	27
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.24	Ordinary	96,832	96,832
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.48	Ordinary	65	65
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.03	Ordinary	67,900	67,900
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.24	Ordinary	149,564	149,564
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.48	Ordinary	100	100
27-Mar-2020	Vanguard Investments Australia Ltd.	SELL	29.03	Ordinary	(73,332)	(73,332)
30-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.20	Ordinary	411,003	411,003
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	28.98	Ordinary	(277,195)	(277,195)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.98	Ordinary	7,008	7,008
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	28.98	Ordinary	(2,800)	(2,800)
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	28.98	Ordinary	(74,519)	(74,519)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.98	Ordinary	54,320	54,320
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.23	Ordinary	17,391	17,391
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.23	Ordinary	34,905	34,905
2-Apr-2020	Vanguard Investments Australia Ltd.	SELL	29.85	Ordinary	(986)	(986)
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	29.85	Ordinary	12,844	12,844
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	29.85	Ordinary	40,200	40,200
3-Apr-2020	Vanguard Investments Australia Ltd.	SELL	30.33	Ordinary	(20,254)	(20,254)
3-Apr-2020	Vanguard Investments Australia Ltd.	SELL	30.33	Ordinary	(16,206)	(16,206)
3-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.33	Ordinary	22,120	22,120
6-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.79	Ordinary	349	349
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.70	Ordinary	9,472	9,472
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.70	Ordinary	12,844	12,844
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.70	Ordinary	93,800	93,800
8-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.32	Ordinary	35,435	35,435
8-Apr-2020	Vanguard Investments Australia Ltd.	SELL	31.32	Ordinary	(315)	(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
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.29	Ordinary	32,577	32,577
9-Apr-2020	Vanguard Investments Australia Ltd.	SELL	31.50	Ordinary	(167,080)	(167,080)
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.50	Ordinary	6,904	6,904
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.50	Ordinary	12,844	12,844
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.50	Ordinary	91,086	91,086
14-Apr-2020	Vanguard Investments Australia Ltd.	SELL	31.66	Ordinary	(150,937)	(150,937)
15-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.43	Ordinary	53,580	53,580
20-Apr-2020	Vanguard Investments Australia Ltd.	SELL	30.82	Ordinary	(565)	(565)
20-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.82	Ordinary	9,615	9,615
20-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.82	Ordinary	12,820	12,820
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.43	Ordinary	11,423	11,423
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.05	Ordinary	53,540	53,540
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.05	Ordinary	45,509	45,509
22-Apr-2020	Vanguard Investments Australia Ltd.	SELL	28.98	Ordinary	(319,527)	(319,527)
22-Apr-2020	Vanguard Investments Australia Ltd.	BUY	28.97	Ordinary	386	386
22-Apr-2020	Vanguard Investments Australia Ltd.	BUY	28.97	Ordinary	12,816	12,816
23-Apr-2020	Vanguard Investments Australia Ltd.	SELL	29.75	Ordinary	(339,925)	(339,925)
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	29.75	Ordinary	12,816	12,816
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	29.75	Ordinary	14,666	14,666
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	29.75	Ordinary	40,125	40,125
24-Apr-2020	Vanguard Investments Australia Ltd.	SELL	30.54	Ordinary	(18,932)	(18,932)
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	30.49	Ordinary	(1,544)	(1,544)
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	30.49	Ordinary	(4,835)	(4,835)
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	30.49	Ordinary	(732)	(732)
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	30.49	Ordinary	(1,037)	(1,037)
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.49	Ordinary	12,816	12,816
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.49	Ordinary	48,150	48,150
29-Apr-2020	Vanguard Investments Australia Ltd.	SELL	31.12	Ordinary	(619)	(619)
29-Apr-2020	Vanguard Investments Australia Ltd.	SELL	31.12	Ordinary	(1,558)	(1,558)
29-Apr-2020	Vanguard Investments Australia Ltd.	SELL	31.12	Ordinary	(14,789)	(14,789)
30-Apr-2020	Vanguard Investments Australia Ltd.	SELL	32.35	Ordinary	(39,928)	(39,928)
30-Apr-2020	Vanguard Investments Australia Ltd.	SELL	32.35	Ordinary	(15,525)	(15,525)
1-May-2020	Vanguard Investments Australia Ltd.	SELL	29.84	Ordinary	(4,001)	(4,001)
1-May-2020	Vanguard Investments Australia Ltd.	BUY	29.84	Ordinary	417	417
1-May-2020	Vanguard Investments Australia Ltd.	SELL	29.84	Ordinary	(778)	(778)
1-May-2020	Vanguard Investments Australia Ltd.	BUY	29.84	Ordinary	40,080	40,080
1-May-2020	Vanguard Investments Australia Ltd.	BUY	29.84	Ordinary	53,440	53,440
4-May-2020	Vanguard Investments Australia Ltd.	BUY	29.88	Ordinary	12,784	12,784
4-May-2020	Vanguard Investments Australia Ltd.	BUY	29.88	Ordinary	74,816	74,816
5-May-2020	Vanguard Investments Australia Ltd.	SELL	30.69	Ordinary	(4,019)	(4,019)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	30.69	Ordinary	(3,389)	(3,389)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	30.69	Ordinary	(3,871)	(3,871)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	30.69	Ordinary	(3,388)	(3,388)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	30.69	Ordinary	(238)	(238)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	30.69	Ordinary	(17,161)	(17,161)
6-May-2020	Vanguard Investments Australia Ltd.	BUY	30.41	Ordinary	12,784	12,784
8-May-2020	Vanguard Investments Australia Ltd.	BUY	31.40	Ordinary	2,655	2,655
12-May-2020	Vanguard Investments Australia Ltd.	BUY	30.72	Ordinary	3,421	3,421
12-May-2020	Vanguard Investments Australia Ltd.	BUY	30.72	Ordinary	12,784	12,784
12-May-2020	Vanguard Investments Australia Ltd.	BUY	30.72	Ordinary	37,156	37,156
13-May-2020	Vanguard Investments Australia Ltd.	BUY	31.01	Ordinary	39,810	39,810
15-May-2020	Vanguard Investments Australia Ltd.	BUY	31.67	Ordinary	6,842	6,842

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: 19 May 2020