

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme Computershare Limited
ACN/ARSN 005 485 825

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 26 November 2019

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	27,054,099	27,054,099	5.002%

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 – 27,054,099

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 – 1,281,073
Vanguard Group	BNY Mellon	Various funds and other accounts of Vanguard Group	Ordinary – 1,320,105
Vanguard Group	JP Morgan Chase Bank, N.A.	Various funds and other accounts of Vanguard Group	Ordinary – 12,829,601
Vanguard Group	Citibank	Various funds and other accounts of Vanguard Group	Ordinary – 6,134
Vanguard Group	State Street Bank and Trust Company	Various funds and other accounts of Vanguard Group	Ordinary – 3,453,416
Vanguard Group	Various others	Various funds and other accounts of Vanguard Group	Ordinary – 8,163,770

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 29 November 2019

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 or 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 Computershare Limited
005 485 825

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
26-Jul-2019	The Vanguard Group, Inc.	BUY	16.01	Ordinary	2,196	2,196
26-Jul-2019	The Vanguard Group, Inc.	BUY	16.01	Ordinary	2,185	2,185
26-Jul-2019	The Vanguard Group, Inc.	SELL	15.95	Ordinary	(1,857)	(1,857)
29-Jul-2019	The Vanguard Group, Inc.	SELL	16.08	Ordinary	(10,654)	(10,654)
30-Jul-2019	The Vanguard Group, Inc.	SELL	15.83	Ordinary	(1,920)	(1,920)
30-Jul-2019	The Vanguard Group, Inc.	BUY	15.83	Ordinary	478	478
30-Jul-2019	The Vanguard Group, Inc.	BUY	15.86	Ordinary	940	940
30-Jul-2019	The Vanguard Group, Inc.	BUY	15.86	Ordinary	6,317	6,317
30-Jul-2019	The Vanguard Group, Inc.	BUY	15.86	Ordinary	3,727	3,727
31-Jul-2019	The Vanguard Group, Inc.	BUY	15.75	Ordinary	2,196	2,196
1-Aug-2019	The Vanguard Group, Inc.	BUY	15.53	Ordinary	5,319	5,319
1-Aug-2019	The Vanguard Group, Inc.	SELL	15.58	Ordinary	(18,336)	(18,336)
2-Aug-2019	The Vanguard Group, Inc.	BUY	15.48	Ordinary	1,748	1,748
5-Aug-2019	The Vanguard Group, Inc.	BUY	14.98	Ordinary	2,440	2,440
5-Aug-2019	The Vanguard Group, Inc.	BUY	14.98	Ordinary	2,185	2,185
6-Aug-2019	The Vanguard Group, Inc.	BUY	14.72	Ordinary	48,481	48,481
6-Aug-2019	The Vanguard Group, Inc.	BUY	15.13	Ordinary	478	478
6-Aug-2019	The Vanguard Group, Inc.	BUY	14.99	Ordinary	4,722	4,722
8-Aug-2019	The Vanguard Group, Inc.	SELL	15.19	Ordinary	(2,400)	(2,400)
8-Aug-2019	The Vanguard Group, Inc.	BUY	15.06	Ordinary	913	913
12-Aug-2019	The Vanguard Group, Inc.	BUY	14.93	Ordinary	3,904	3,904
13-Aug-2019	The Vanguard Group, Inc.	SELL	15.31	Ordinary	(3,360)	(3,360)
14-Aug-2019	The Vanguard Group, Inc.	BUY	15.45	Ordinary	70,195	70,195
14-Aug-2019	The Vanguard Group, Inc.	BUY	15.13	Ordinary	262	262
15-Aug-2019	The Vanguard Group, Inc.	SELL	14.37	Ordinary	(2,880)	(2,880)
19-Aug-2019	The Vanguard Group, Inc.	BUY	14.92	Ordinary	478	478
19-Aug-2019	The Vanguard Group, Inc.	SELL	14.84	Ordinary	(418)	(418)
19-Aug-2019	The Vanguard Group, Inc.	BUY	14.84	Ordinary	5,153	5,153
20-Aug-2019	The Vanguard Group, Inc.	BUY	14.67	Ordinary	478	478
22-Aug-2019	The Vanguard Group, Inc.	BUY	14.93	Ordinary	4,880	4,880
23-Aug-2019	The Vanguard Group, Inc.	BUY	14.77	Ordinary	478	478
27-Aug-2019	The Vanguard Group, Inc.	BUY	15.23	Ordinary	1,192	1,192
27-Aug-2019	The Vanguard Group, Inc.	SELL	15.22	Ordinary	(2,483)	(2,483)
29-Aug-2019	The Vanguard Group, Inc.	BUY	15.33	Ordinary	7,349	7,349
2-Sep-2019	The Vanguard Group, Inc.	BUY	15.43	Ordinary	4,857	4,857
6-Sep-2019	The Vanguard Group, Inc.	SELL	15.55	Ordinary	(980)	(980)
6-Sep-2019	The Vanguard Group, Inc.	BUY	15.77	Ordinary	269	269
9-Sep-2019	The Vanguard Group, Inc.	BUY	15.81	Ordinary	3,172	3,172
11-Sep-2019	The Vanguard Group, Inc.	BUY	15.85	Ordinary	3,172	3,172
12-Sep-2019	The Vanguard Group, Inc.	BUY	15.95	Ordinary	2,440	2,440
16-Sep-2019	The Vanguard Group, Inc.	BUY	15.92	Ordinary	1,440	1,440
16-Sep-2019	The Vanguard Group, Inc.	BUY	15.92	Ordinary	478	478
16-Sep-2019	The Vanguard Group, Inc.	BUY	15.90	Ordinary	2,653	2,653
18-Sep-2019	The Vanguard Group, Inc.	BUY	16.04	Ordinary	2,196	2,196
23-Sep-2019	The Vanguard Group, Inc.	BUY	15.89	Ordinary	2,440	2,440
24-Sep-2019	The Vanguard Group, Inc.	SELL	15.85	Ordinary	(544)	(544)
24-Sep-2019	The Vanguard Group, Inc.	BUY	15.85	Ordinary	1,788	1,788
24-Sep-2019	The Vanguard Group, Inc.	BUY	15.85	Ordinary	7,502	7,502
25-Sep-2019	The Vanguard Group, Inc.	BUY	16.10	Ordinary	2,440	2,440
25-Sep-2019	The Vanguard Group, Inc.	BUY	15.76	Ordinary	1,396	1,396
25-Sep-2019	The Vanguard Group, Inc.	BUY	16.01	Ordinary	7,279	7,279
1-Oct-2019	The Vanguard Group, Inc.	BUY	16.07	Ordinary	50	50
1-Oct-2019	The Vanguard Group, Inc.	BUY	16.07	Ordinary	937	937
2-Oct-2019	The Vanguard Group, Inc.	BUY	15.52	Ordinary	478	478
4-Oct-2019	The Vanguard Group, Inc.	BUY	15.81	Ordinary	478	478
7-Oct-2019	The Vanguard Group, Inc.	BUY	15.73	Ordinary	21,409	21,409
8-Oct-2019	The Vanguard Group, Inc.	BUY	15.58	Ordinary	478	478
10-Oct-2019	The Vanguard Group, Inc.	BUY	15.64	Ordinary	7,320	7,320
10-Oct-2019	The Vanguard Group, Inc.	BUY	15.64	Ordinary	2,440	2,440
15-Oct-2019	The Vanguard Group, Inc.	BUY	16.12	Ordinary	1,952	1,952
21-Oct-2019	The Vanguard Group, Inc.	BUY	16.00	Ordinary	310	310

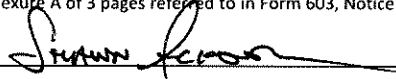
Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
23-Oct-2019	The Vanguard Group, Inc.	BUY	15.94	Ordinary	2,440	2,440
25-Oct-2019	The Vanguard Group, Inc.	SELL	16.09	Ordinary	(5,760)	(5,760)
25-Oct-2019	The Vanguard Group, Inc.	BUY	16.09	Ordinary	717	717
25-Oct-2019	The Vanguard Group, Inc.	BUY	16.03	Ordinary	4,918	4,918
25-Oct-2019	The Vanguard Group, Inc.	BUY	16.03	Ordinary	310	310
28-Oct-2019	The Vanguard Group, Inc.	BUY	16.02	Ordinary	15,151	15,151
29-Oct-2019	The Vanguard Group, Inc.	SELL	15.88	Ordinary	(5,772)	(5,772)
31-Oct-2019	The Vanguard Group, Inc.	SELL	15.84	Ordinary	(7,432)	(7,432)
1-Nov-2019	The Vanguard Group, Inc.	BUY	15.90	Ordinary	194	194
4-Nov-2019	The Vanguard Group, Inc.	BUY	15.95	Ordinary	2,139	2,139
5-Nov-2019	The Vanguard Group, Inc.	BUY	15.84	Ordinary	4,880	4,880
6-Nov-2019	The Vanguard Group, Inc.	BUY	16.14	Ordinary	2,440	2,440
8-Nov-2019	The Vanguard Group, Inc.	BUY	16.73	Ordinary	478	478
8-Nov-2019	The Vanguard Group, Inc.	BUY	16.64	Ordinary	310	310
11-Nov-2019	The Vanguard Group, Inc.	BUY	16.55	Ordinary	3,416	3,416
15-Nov-2019	The Vanguard Group, Inc.	BUY	16.85	Ordinary	1,952	1,952
15-Nov-2019	The Vanguard Group, Inc.	BUY	16.85	Ordinary	478	478
18-Nov-2019	The Vanguard Group, Inc.	BUY	16.74	Ordinary	2,684	2,684
19-Nov-2019	The Vanguard Group, Inc.	BUY	16.81	Ordinary	335	335
21-Nov-2019	The Vanguard Group, Inc.	BUY	16.89	Ordinary	478	478
21-Nov-2019	The Vanguard Group, Inc.	BUY	16.85	Ordinary	188	188
22-Nov-2019	The Vanguard Group, Inc.	BUY	17.07	Ordinary	3,904	3,904
22-Nov-2019	The Vanguard Group, Inc.	SELL	16.87	Ordinary	(518)	(518)
25-Nov-2019	The Vanguard Group, Inc.	BUY	17.06	Ordinary	4,880	4,880
25-Nov-2019	The Vanguard Group, Inc.	BUY	16.98	Ordinary	301	301
26-Nov-2019	The Vanguard Group, Inc.	BUY	17.15	Ordinary	239	239
26-Nov-2019	The Vanguard Group, Inc.	BUY	17.12	Ordinary	7,693	7,693
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	15.86	Ordinary	5,203	5,203
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	15.84	Ordinary	21,211	21,211
1-Aug-2019	Vanguard Investments Australia Ltd.	SELL	15.58	Ordinary	(3,164)	(3,164)
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	14.99	Ordinary	4,275	4,275
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	14.99	Ordinary	4,275	4,275
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	14.90	Ordinary	10,571	10,571
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	15.06	Ordinary	5,214	5,214
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	14.95	Ordinary	12,575	12,575
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	15.05	Ordinary	5,192	5,192
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	15.13	Ordinary	11,116	11,116
19-Aug-2019	Vanguard Investments Australia Ltd.	BUY	14.84	Ordinary	14,649	14,649
22-Aug-2019	Vanguard Investments Australia Ltd.	BUY	14.94	Ordinary	12,870	12,870
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	15.23	Ordinary	10,698	10,698
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	15.23	Ordinary	199,078	199,078
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	15.43	Ordinary	10,384	10,384
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	15.29	Ordinary	49,308	49,308
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	15.02	Ordinary	9,026	9,026
6-Sep-2019	Vanguard Investments Australia Ltd.	SELL	15.77	Ordinary	(5,313)	(5,313)
12-Sep-2019	Vanguard Investments Australia Ltd.	BUY	15.91	Ordinary	7,747	7,747
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	15.91	Ordinary	2,769	2,769
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	15.96	Ordinary	8,949	8,949
18-Sep-2019	Vanguard Investments Australia Ltd.	SELL	16.02	Ordinary	(6,266)	(6,266)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	16.06	Ordinary	6,316	6,316
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	16.05	Ordinary	4,700	4,700
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	15.93	Ordinary	7,020	7,020
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	16.01	Ordinary	6,524	6,524
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	16.22	Ordinary	5,580	5,580
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.72	Ordinary	11,643	11,643
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.72	Ordinary	5,542	5,542
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.72	Ordinary	8,702	8,702
2-Oct-2019	Vanguard Investments Australia Ltd.	SELL	15.72	Ordinary	(10,992)	(10,992)
3-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.49	Ordinary	10,460	10,460
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.64	Ordinary	12,715	12,715
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.64	Ordinary	7,735	7,735
7-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.69	Ordinary	14,479	14,479
10-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.52	Ordinary	14,270	14,270
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.66	Ordinary	3,600	3,600
14-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.96	Ordinary	64,248	64,248
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	16.11	Ordinary	76,137	76,137
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.85	Ordinary	4,510	4,510
21-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.97	Ordinary	6,309	6,309

Annexure A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	16.03	Ordinary	4,500	4,500
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	16.03	Ordinary	10,608	10,608
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.87	Ordinary	6,303	6,303
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	16.02	Ordinary	4,470	4,470
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.74	Ordinary	15,397	15,397
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.84	Ordinary	7,406	7,406
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.84	Ordinary	10,704	10,704
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	15.85	Ordinary	14,758	14,758
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	15.84	Ordinary	(5,352)	(5,352)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	15.81	Ordinary	(62,299)	(62,299)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	15.81	Ordinary	(10,797)	(10,797)
4-Nov-2019	Vanguard Investments Australia Ltd.	SELL	15.80	Ordinary	(81,645)	(81,645)
4-Nov-2019	Vanguard Investments Australia Ltd.	BUY	15.82	Ordinary	16,182	16,182
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	15.82	Ordinary	(20,452)	(20,452)
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	15.82	Ordinary	5,328	5,328
7-Nov-2019	Vanguard Investments Australia Ltd.	SELL	16.37	Ordinary	(17,893)	(17,893)
7-Nov-2019	Vanguard Investments Australia Ltd.	BUY	16.37	Ordinary	4,358	4,358
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	16.53	Ordinary	12,338	12,338
12-Nov-2019	Vanguard Investments Australia Ltd.	SELL	16.49	Ordinary	(1,865)	(1,865)
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	16.49	Ordinary	4,906	4,906
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	16.61	Ordinary	1,362	1,362
14-Nov-2019	Vanguard Investments Australia Ltd.	BUY	16.59	Ordinary	15,326	15,326
19-Nov-2019	Vanguard Investments Australia Ltd.	SELL	16.81	Ordinary	(1,496)	(1,496)
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	16.81	Ordinary	5,915	5,915
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	16.88	Ordinary	3,192	3,192
20-Nov-2019	Vanguard Investments Australia Ltd.	SELL	16.88	Ordinary	(37,738)	(37,738)
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	16.85	Ordinary	9,597	9,597
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	17.06	Ordinary	6,507	6,507
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	16.98	Ordinary	9,588	9,588
26-Nov-2019	Vanguard Investments Australia Ltd.	BUY	17.11	Ordinary	94,788	94,788
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	17.12	Ordinary	(7,960)	(7,960)

This is Annexure A of 3 pages referred to in Form 603, Notice of initial substantial holder.

Signature:



Name: Shawn Acker

Capacity: Compliance Manager

Date: 29 November 2019