

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

**Notice of initial substantial holder**

To Company Name/Scheme Woolworths Group Limited  
ACN/ARSN 000 014 675

**1. Details of substantial holder (1)**

Name The Vanguard Group, Inc.  
ACN/ARSN (if applicable) N/A  
The holder became a substantial holder on 15 October 2018

**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	65,875,116	65,875,116	5.000%

**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 Investments Australia Ltd.	Beneficial Owner	Ordinary – 29,893,178
The Vanguard Group, Inc.	Beneficial Owner	Ordinary – 35,981,938

**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 Investments Australia Ltd	JP Morgan Chase Bank, N.A. and various other Custodians	Vanguard Investments Australia Ltd is the manager of various superannuation funds, institutional investor portfolios and unit trusts and in that capacity can exercise the power to vote and/or dispose of the shares	Ordinary – 29,893,178
The Vanguard Group, Inc.	Brown Brothers Harriman	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Ordinary – 3,228,344
The Vanguard Group, Inc.	JP Morgan Chase Bank, N.A.	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Ordinary – 19,464,854
The Vanguard Group, Inc.	Citibank	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Ordinary – 15,486
The Vanguard Group, Inc.	BNY Mellon	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Ordinary – 4,224,729
The Vanguard Group, Inc.	State Street Bank and Trust Company	The Vanguard Group, Inc., is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares	Ordinary – 9,048,525

**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
The Vanguard Group, Inc.	P.O. Box 2600, V26 Valley Forge, PA 19482 USA
Vanguard Investments Australia Ltd	Level 34, 2 Southbank Blvd, Southbank 3006 VIC Australia

print name Shawn Acker capacity MANAGER

sign here  date 17 October 2018

## 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 Woolworths Group Limited  
ACN/ARSN 000 014 675

Substantial Holder Name The Vanguard Group, Inc.  
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
15-Jun-2018	The Vanguard Group, Inc.	BUY	29.25	Ordinary	16,268	16,268
15-Jun-2018	The Vanguard Group, Inc.	BUY	29.25	Ordinary	78,469	78,469
15-Jun-2018	The Vanguard Group, Inc.	BUY	29.25	Ordinary	486	486
15-Jun-2018	The Vanguard Group, Inc.	BUY	29.25	Ordinary	3,502	3,502
15-Jun-2018	The Vanguard Group, Inc.	BUY	29.25	Ordinary	1,973	1,973
20-Jun-2018	The Vanguard Group, Inc.	BUY	29.44	Ordinary	12,870	12,870
20-Jun-2018	The Vanguard Group, Inc.	BUY	29.49	Ordinary	4,594	4,594
21-Jun-2018	The Vanguard Group, Inc.	SELL	29.94	Ordinary	(409)	(409)
27-Jun-2018	The Vanguard Group, Inc.	BUY	30.25	Ordinary	28,427	28,427
27-Jun-2018	The Vanguard Group, Inc.	BUY	30.27	Ordinary	3,960	3,960
27-Jun-2018	The Vanguard Group, Inc.	SELL	30.30	Ordinary	(1,133)	(1,133)
28-Jun-2018	The Vanguard Group, Inc.	BUY	30.46	Ordinary	22,381	22,381
28-Jun-2018	The Vanguard Group, Inc.	BUY	30.46	Ordinary	16,318	16,318
29-Jun-2018	The Vanguard Group, Inc.	BUY	30.52	Ordinary	516	516
29-Jun-2018	The Vanguard Group, Inc.	BUY	30.52	Ordinary	42,894	42,894
3-Jul-2018	The Vanguard Group, Inc.	BUY	30.91	Ordinary	37,275	37,275
3-Jul-2018	The Vanguard Group, Inc.	BUY	30.52	Ordinary	950	950
3-Jul-2018	The Vanguard Group, Inc.	BUY	30.52	Ordinary	2,970	2,970
4-Jul-2018	The Vanguard Group, Inc.	BUY	30.58	Ordinary	24,437	24,437
4-Jul-2018	The Vanguard Group, Inc.	BUY	30.63	Ordinary	9,272	9,272
5-Jul-2018	The Vanguard Group, Inc.	BUY	30.66	Ordinary	33,504	33,504
5-Jul-2018	The Vanguard Group, Inc.	BUY	30.66	Ordinary	1,695	1,695
6-Jul-2018	The Vanguard Group, Inc.	BUY	30.70	Ordinary	2,280	2,280
6-Jul-2018	The Vanguard Group, Inc.	BUY	30.65	Ordinary	7,556	7,556
11-Jul-2018	The Vanguard Group, Inc.	BUY	31.06	Ordinary	37,676	37,676
11-Jul-2018	The Vanguard Group, Inc.	BUY	31.06	Ordinary	783	783
12-Jul-2018	The Vanguard Group, Inc.	SELL	31.33	Ordinary	(5,664)	(5,664)
12-Jul-2018	The Vanguard Group, Inc.	SELL	31.39	Ordinary	(663)	(663)
12-Jul-2018	The Vanguard Group, Inc.	BUY	31.33	Ordinary	133,909	133,909
12-Jul-2018	The Vanguard Group, Inc.	BUY	31.39	Ordinary	14,535	14,535
12-Jul-2018	The Vanguard Group, Inc.	SELL	31.30	Ordinary	(20,901)	(20,901)
13-Jul-2018	The Vanguard Group, Inc.	BUY	30.89	Ordinary	62	62
17-Jul-2018	The Vanguard Group, Inc.	BUY	31.12	Ordinary	21,690	21,690
17-Jul-2018	The Vanguard Group, Inc.	BUY	30.99	Ordinary	736	736
18-Jul-2018	The Vanguard Group, Inc.	BUY	31.31	Ordinary	27,074	27,074
19-Jul-2018	The Vanguard Group, Inc.	BUY	30.93	Ordinary	28,198	28,198
19-Jul-2018	The Vanguard Group, Inc.	BUY	30.80	Ordinary	643	643
20-Jul-2018	The Vanguard Group, Inc.	BUY	30.91	Ordinary	22,069	22,069
20-Jul-2018	The Vanguard Group, Inc.	BUY	30.85	Ordinary	1,900	1,900
20-Jul-2018	The Vanguard Group, Inc.	SELL	30.91	Ordinary	(4,400)	(4,400)
20-Jul-2018	The Vanguard Group, Inc.	BUY	30.91	Ordinary	8,482	8,482
23-Jul-2018	The Vanguard Group, Inc.	SELL	30.88	Ordinary	(3,621)	(3,621)
24-Jul-2018	The Vanguard Group, Inc.	SELL	30.83	Ordinary	(568)	(568)
24-Jul-2018	The Vanguard Group, Inc.	BUY	30.99	Ordinary	643	643
25-Jul-2018	The Vanguard Group, Inc.	SELL	30.23	Ordinary	(18,105)	(18,105)
25-Jul-2018	The Vanguard Group, Inc.	SELL	30.23	Ordinary	(3,621)	(3,621)
25-Jul-2018	The Vanguard Group, Inc.	SELL	30.23	Ordinary	(2,414)	(2,414)
25-Jul-2018	The Vanguard Group, Inc.	SELL	30.20	Ordinary	(928)	(928)
27-Jul-2018	The Vanguard Group, Inc.	BUY	30.15	Ordinary	6,520	6,520
27-Jul-2018	The Vanguard Group, Inc.	SELL	30.18	Ordinary	(6,971)	(6,971)
30-Jul-2018	The Vanguard Group, Inc.	SELL	30.08	Ordinary	(6,342)	(6,342)
31-Jul-2018	The Vanguard Group, Inc.	SELL	30.11	Ordinary	(4,950)	(4,950)
31-Jul-2018	The Vanguard Group, Inc.	BUY	30.09	Ordinary	2,667	2,667
1-Aug-2018	The Vanguard Group, Inc.	BUY	30.00	Ordinary	70,460	70,460
1-Aug-2018	The Vanguard Group, Inc.	SELL	30.09	Ordinary	(363)	(363)
1-Aug-2018	The Vanguard Group, Inc.	BUY	30.00	Ordinary	2,454	2,454
2-Aug-2018	The Vanguard Group, Inc.	SELL	29.89	Ordinary	(12,070)	(12,070)
3-Aug-2018	The Vanguard Group, Inc.	BUY	29.93	Ordinary	35,477	35,477
3-Aug-2018	The Vanguard Group, Inc.	BUY	29.72	Ordinary	884	884
3-Aug-2018	The Vanguard Group, Inc.	SELL	29.72	Ordinary	(4,061)	(4,061)

## 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
7-Aug-2018	The Vanguard Group, Inc.	BUY	29.94	Ordinary	26,277	26,277
8-Aug-2018	The Vanguard Group, Inc.	BUY	29.96	Ordinary	47,101	47,101
8-Aug-2018	The Vanguard Group, Inc.	BUY	29.96	Ordinary	12,020	12,020
8-Aug-2018	The Vanguard Group, Inc.	SELL	29.80	Ordinary	(349)	(349)
8-Aug-2018	The Vanguard Group, Inc.	BUY	29.93	Ordinary	642	642
9-Aug-2018	The Vanguard Group, Inc.	BUY	29.83	Ordinary	16,415	16,415
9-Aug-2018	The Vanguard Group, Inc.	SELL	29.74	Ordinary	(8,910)	(8,910)
9-Aug-2018	The Vanguard Group, Inc.	BUY	29.69	Ordinary	5,881	5,881
10-Aug-2018	The Vanguard Group, Inc.	SELL	29.66	Ordinary	(28,968)	(28,968)
10-Aug-2018	The Vanguard Group, Inc.	SELL	29.66	Ordinary	(8,910)	(8,910)
10-Aug-2018	The Vanguard Group, Inc.	SELL	29.66	Ordinary	(4,950)	(4,950)
10-Aug-2018	The Vanguard Group, Inc.	SELL	29.64	Ordinary	(30,737)	(30,737)
14-Aug-2018	The Vanguard Group, Inc.	BUY	29.79	Ordinary	23,143	23,143
14-Aug-2018	The Vanguard Group, Inc.	SELL	29.57	Ordinary	(17,820)	(17,820)
14-Aug-2018	The Vanguard Group, Inc.	BUY	29.80	Ordinary	2,692	2,692
14-Aug-2018	The Vanguard Group, Inc.	BUY	29.80	Ordinary	2,069	2,069
15-Aug-2018	The Vanguard Group, Inc.	SELL	29.62	Ordinary	(14,484)	(14,484)
15-Aug-2018	The Vanguard Group, Inc.	BUY	29.72	Ordinary	34,556	34,556
16-Aug-2018	The Vanguard Group, Inc.	BUY	29.62	Ordinary	29,406	29,406
16-Aug-2018	The Vanguard Group, Inc.	BUY	29.74	Ordinary	2,511	2,511
16-Aug-2018	The Vanguard Group, Inc.	SELL	29.70	Ordinary	(27,236)	(27,236)
16-Aug-2018	The Vanguard Group, Inc.	BUY	29.62	Ordinary	147	147
17-Aug-2018	The Vanguard Group, Inc.	BUY	29.61	Ordinary	48,977	48,977
17-Aug-2018	The Vanguard Group, Inc.	BUY	29.56	Ordinary	1,330	1,330
17-Aug-2018	The Vanguard Group, Inc.	BUY	29.61	Ordinary	3,679	3,679
20-Aug-2018	The Vanguard Group, Inc.	BUY	28.71	Ordinary	40,624	40,624
20-Aug-2018	The Vanguard Group, Inc.	BUY	28.71	Ordinary	19,677	19,677
21-Aug-2018	The Vanguard Group, Inc.	BUY	28.95	Ordinary	23,360	23,360
21-Aug-2018	The Vanguard Group, Inc.	BUY	28.70	Ordinary	3,960	3,960
21-Aug-2018	The Vanguard Group, Inc.	BUY	28.70	Ordinary	998	998
21-Aug-2018	The Vanguard Group, Inc.	BUY	28.70	Ordinary	1,374	1,374
23-Aug-2018	The Vanguard Group, Inc.	BUY	28.29	Ordinary	143,280	143,280
24-Aug-2018	The Vanguard Group, Inc.	SELL	28.80	Ordinary	(30,715)	(30,715)
24-Aug-2018	The Vanguard Group, Inc.	BUY	28.76	Ordinary	2,090	2,090
24-Aug-2018	The Vanguard Group, Inc.	BUY	28.80	Ordinary	30,715	30,715
27-Aug-2018	The Vanguard Group, Inc.	BUY	28.60	Ordinary	11,913	11,913
27-Aug-2018	The Vanguard Group, Inc.	BUY	28.78	Ordinary	4,950	4,950
27-Aug-2018	The Vanguard Group, Inc.	SELL	28.61	Ordinary	(17,798)	(17,798)
28-Aug-2018	The Vanguard Group, Inc.	BUY	28.70	Ordinary	643	643
31-Aug-2018	The Vanguard Group, Inc.	BUY	28.26	Ordinary	885	885
31-Aug-2018	The Vanguard Group, Inc.	BUY	28.26	Ordinary	4,551	4,551
31-Aug-2018	The Vanguard Group, Inc.	SELL	28.20	Ordinary	(133,909)	(133,909)
31-Aug-2018	The Vanguard Group, Inc.	BUY	28.26	Ordinary	20,400	20,400
31-Aug-2018	The Vanguard Group, Inc.	BUY	28.26	Ordinary	14,596	14,596
5-Sep-2018	The Vanguard Group, Inc.	SELL	28.48	Ordinary	(560)	(560)
5-Sep-2018	The Vanguard Group, Inc.	BUY	28.48	Ordinary	7,421	7,421
5-Sep-2018	The Vanguard Group, Inc.	SELL	28.38	Ordinary	(809)	(809)
7-Sep-2018	The Vanguard Group, Inc.	BUY	28.34	Ordinary	18,351	18,351
7-Sep-2018	The Vanguard Group, Inc.	BUY	28.34	Ordinary	6,220	6,220
7-Sep-2018	The Vanguard Group, Inc.	BUY	28.34	Ordinary	2,970	2,970
7-Sep-2018	The Vanguard Group, Inc.	BUY	28.34	Ordinary	9,900	9,900
10-Sep-2018	The Vanguard Group, Inc.	BUY	28.24	Ordinary	2,407	2,407
11-Sep-2018	The Vanguard Group, Inc.	BUY	28.37	Ordinary	24,745	24,745
12-Sep-2018	The Vanguard Group, Inc.	BUY	28.47	Ordinary	93,639	93,639
12-Sep-2018	The Vanguard Group, Inc.	BUY	28.34	Ordinary	10,542	10,542
12-Sep-2018	The Vanguard Group, Inc.	BUY	28.34	Ordinary	9,900	9,900
12-Sep-2018	The Vanguard Group, Inc.	SELL	28.48	Ordinary	(537)	(537)
12-Sep-2018	The Vanguard Group, Inc.	SELL	28.42	Ordinary	(84,663)	(84,663)
13-Sep-2018	The Vanguard Group, Inc.	BUY	27.50	Ordinary	2,555	2,555
14-Sep-2018	The Vanguard Group, Inc.	BUY	27.53	Ordinary	107	107
17-Sep-2018	The Vanguard Group, Inc.	BUY	27.45	Ordinary	10,824	10,824
20-Sep-2018	The Vanguard Group, Inc.	BUY	27.55	Ordinary	7,871	7,871
21-Sep-2018	The Vanguard Group, Inc.	SELL	27.55	Ordinary	(9,916)	(9,916)
21-Sep-2018	The Vanguard Group, Inc.	SELL	27.55	Ordinary	(70,635)	(70,635)
21-Sep-2018	The Vanguard Group, Inc.	SELL	27.55	Ordinary	(61,209)	(61,209)
21-Sep-2018	The Vanguard Group, Inc.	SELL	27.55	Ordinary	(2,917)	(2,917)
21-Sep-2018	The Vanguard Group, Inc.	SELL	27.55	Ordinary	(783)	(783)

## 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
21-Sep-2018	The Vanguard Group, Inc.	SELL	27.55	Ordinary	(1,297)	(1,297)
25-Sep-2018	The Vanguard Group, Inc.	BUY	27.73	Ordinary	61,476	61,476
25-Sep-2018	The Vanguard Group, Inc.	BUY	27.59	Ordinary	10,194	10,194
25-Sep-2018	The Vanguard Group, Inc.	BUY	27.59	Ordinary	221	221
26-Sep-2018	The Vanguard Group, Inc.	BUY	28.04	Ordinary	13,900	13,900
26-Sep-2018	The Vanguard Group, Inc.	BUY	28.04	Ordinary	11,120	11,120
26-Sep-2018	The Vanguard Group, Inc.	BUY	28.04	Ordinary	5,560	5,560
26-Sep-2018	The Vanguard Group, Inc.	SELL	28.08	Ordinary	(344)	(344)
26-Sep-2018	The Vanguard Group, Inc.	BUY	28.08	Ordinary	744	744
27-Sep-2018	The Vanguard Group, Inc.	SELL	28.09	Ordinary	(13,497)	(13,497)
27-Sep-2018	The Vanguard Group, Inc.	BUY	28.20	Ordinary	175	175
28-Sep-2018	The Vanguard Group, Inc.	BUY	28.08	Ordinary	298	298
1-Oct-2018	The Vanguard Group, Inc.	BUY	27.85	Ordinary	8,340	8,340
2-Oct-2018	The Vanguard Group, Inc.	BUY	28.00	Ordinary	33,434	33,434
2-Oct-2018	The Vanguard Group, Inc.	BUY	28.05	Ordinary	22,240	22,240
2-Oct-2018	The Vanguard Group, Inc.	SELL	27.91	Ordinary	(506)	(506)
2-Oct-2018	The Vanguard Group, Inc.	SELL	27.91	Ordinary	(15,097)	(15,097)
2-Oct-2018	The Vanguard Group, Inc.	SELL	28.05	Ordinary	(4,085)	(4,085)
3-Oct-2018	The Vanguard Group, Inc.	BUY	28.04	Ordinary	8,340	8,340
3-Oct-2018	The Vanguard Group, Inc.	BUY	28.04	Ordinary	5,478	5,478
8-Oct-2018	The Vanguard Group, Inc.	BUY	28.24	Ordinary	17,166	17,166
8-Oct-2018	The Vanguard Group, Inc.	BUY	28.27	Ordinary	9,816	9,816
9-Oct-2018	The Vanguard Group, Inc.	BUY	28.16	Ordinary	47,943	47,943
9-Oct-2018	The Vanguard Group, Inc.	BUY	28.22	Ordinary	15,521	15,521
11-Oct-2018	The Vanguard Group, Inc.	BUY	27.63	Ordinary	7,092	7,092
11-Oct-2018	The Vanguard Group, Inc.	BUY	27.82	Ordinary	3,193	3,193
12-Oct-2018	The Vanguard Group, Inc.	BUY	27.69	Ordinary	41,654	41,654
15-Oct-2018	The Vanguard Group, Inc.	BUY	27.39	Ordinary	11,820	11,820
20-Jun-2018	Vanguard Investments Australia Ltd.	SELL	29.41	Ordinary	(2,475)	(2,475)
21-Jun-2018	Vanguard Investments Australia Ltd.	BUY	29.94	Ordinary	27,457	27,457
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	30.52	Ordinary	(516)	(516)
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	30.52	Ordinary	(79,182)	(79,182)
3-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.60	Ordinary	41,031	41,031
5-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.77	Ordinary	24,626	24,626
5-Jul-2018	Vanguard Investments Australia Ltd.	SELL	30.66	Ordinary	(1,419)	(1,419)
5-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.77	Ordinary	2,155	2,155
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.62	Ordinary	2,347	2,347
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.62	Ordinary	10,373	10,373
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.62	Ordinary	17,197	17,197
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.65	Ordinary	10,944	10,944
9-Jul-2018	Vanguard Investments Australia Ltd.	SELL	30.84	Ordinary	(9,374)	(9,374)
10-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.84	Ordinary	1,098	1,098
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	31.08	Ordinary	7,296	7,296
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	31.08	Ordinary	18,511	18,511
17-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.99	Ordinary	12,277	12,277
18-Jul-2018	Vanguard Investments Australia Ltd.	SELL	31.07	Ordinary	(12,676)	(12,676)
19-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.80	Ordinary	20,549	20,549
20-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.91	Ordinary	13,486	13,486
27-Jul-2018	Vanguard Investments Australia Ltd.	BUY	30.16	Ordinary	25,249	25,249
2-Aug-2018	Vanguard Investments Australia Ltd.	BUY	29.79	Ordinary	11,061	11,061
3-Aug-2018	Vanguard Investments Australia Ltd.	SELL	29.72	Ordinary	(12,449)	(12,449)
3-Aug-2018	Vanguard Investments Australia Ltd.	BUY	29.72	Ordinary	20,704	20,704
7-Aug-2018	Vanguard Investments Australia Ltd.	BUY	29.84	Ordinary	19,772	19,772
9-Aug-2018	Vanguard Investments Australia Ltd.	BUY	29.69	Ordinary	350	350
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	29.70	Ordinary	501	501
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	29.70	Ordinary	7,404	7,404
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	29.70	Ordinary	17,928	17,928
16-Aug-2018	Vanguard Investments Australia Ltd.	SELL	29.70	Ordinary	(4,718)	(4,718)
21-Aug-2018	Vanguard Investments Australia Ltd.	BUY	28.70	Ordinary	12,390	12,390
27-Aug-2018	Vanguard Investments Australia Ltd.	BUY	28.77	Ordinary	11,561	11,561
28-Aug-2018	Vanguard Investments Australia Ltd.	BUY	28.70	Ordinary	23,017	23,017
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	28.26	Ordinary	1,610	1,610
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	28.26	Ordinary	691	691
3-Sep-2018	Vanguard Investments Australia Ltd.	SELL	28.50	Ordinary	(299)	(299)
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.48	Ordinary	13,662	13,662
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.48	Ordinary	17,444	17,444
6-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.24	Ordinary	32,409	32,409

## 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
7-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.29	Ordinary	15,830	15,830
10-Sep-2018	Vanguard Investments Australia Ltd.	SELL	28.24	Ordinary	(7,293)	(7,293)
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.24	Ordinary	12,480	12,480
11-Sep-2018	Vanguard Investments Australia Ltd.	SELL	28.54	Ordinary	(13,528)	(13,528)
17-Sep-2018	Vanguard Investments Australia Ltd.	BUY	27.45	Ordinary	13,662	13,662
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	18,260	18,260
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	4,873	4,873
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	19,767	19,767
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	1,379	1,379
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	10,460	10,460
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	8,255	8,255
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	42,817	42,817
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	27.55	Ordinary	2,751	2,751
24-Sep-2018	Vanguard Investments Australia Ltd.	BUY	27.65	Ordinary	927	927
26-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.08	Ordinary	7,368	7,368
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	1,974	1,974
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	22,375	22,375
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	4,105	4,105
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	3,680	3,680
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	6,361	6,361
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	25,894	25,894
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	1,456	1,456
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	10,231	10,231
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	26,333	26,333
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	28.04	Ordinary	94,556	94,556
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	28.08	Ordinary	(1,450)	(1,450)
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.90	Ordinary	10,863	10,863
3-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.97	Ordinary	31,583	31,583
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	28.30	Ordinary	10,863	10,863
10-Oct-2018	Vanguard Investments Australia Ltd.	BUY	28.12	Ordinary	921	921
10-Oct-2018	Vanguard Investments Australia Ltd.	SELL	28.12	Ordinary	(9,433)	(9,433)
11-Oct-2018	Vanguard Investments Australia Ltd.	BUY	27.82	Ordinary	14,616	14,616

This is Annexure A of 4 pages referred to in Form 603, Notice of initial substantial holder.

Signature

Date

17-Oct-2018