

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme
ACN/ARSN

National Storage Holdings Limited
166 572 845

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

There was a change in the interests of the substantial holder on

20 December 2019

The previous notice was given to the company on

28 December 2018

The previous notice was dated

28 December 2018

2. Previous and present 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 when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

| Class of securities (4) | Previous notice | | Present notice | |
|-------------------------|-----------------|------------------|----------------|------------------|
| | Person's votes | Voting power (5) | Person's votes | Voting power (5) |
| Ordinary | 61,726,506 | 9.234% | 80,696,706 | 10.240% |

3. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

| Date of change | Person whose relevant interest changed | Nature of change (6) | Consideration given in relation to change (7) | Class and number of securities affected | Person's votes affected |
|----------------|--|----------------------|---|---|-------------------------|
| See Annexure A | | | | | |

4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

| Holder of relevant interest | Registered holder of securities | Person entitled to be registered as holder (8) | Nature of relevant interest (6) | Class and number of securities | Person's votes |
|-----------------------------|-------------------------------------|--|--|--------------------------------|----------------|
| Vanguard Group | BNY Mellon | Various funds and other accounts of 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 – 2,784,171 | 2,784,171 |
| Vanguard Group | JP Morgan Chase Bank, N.A. | Various funds and other accounts of 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 – 56,650,627 | 56,650,627 |
| Vanguard Group | Brown Brothers Harriman | Various funds and other accounts of 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 – 318,766 | 318,766 |
| Vanguard Group | State Street Bank and Trust Company | Various funds and other accounts of 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 – 9,607,778 | 9,607,778 |
| Vanguard Group | Various others | Various funds and other accounts of 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 – 11,335,364 | 11,335,364 |

5. Changes in association

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

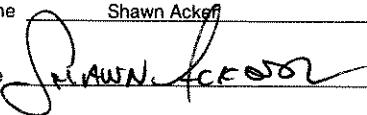
| Name and ACN/ARSN (if applicable) | Nature of association |
|-----------------------------------|-----------------------|
| N/A | N/A |

6. 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 |

Signature

print name Shawn Ackert capacity Compliance Manager
sign here  date 24 December 2019

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant 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 6 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 person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
 - (6) Include details of:
 - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. 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.
- (7) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was 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.
 - (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) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

To Company
ACN/ARSN National Storage Holdings Limited
166 572 845

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 |
|----------------|--|---------------------|--|----------|-------------------------------|-------------------------|
| 24-Dec-2018 | The Vanguard Group, Inc. | BUY | 1.80 | Ordinary | 7,691 | 7,691 |
| 28-Dec-2018 | The Vanguard Group, Inc. | BUY | 1.27 | Ordinary | 6,077 | 6,077 |
| 2-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.77 | Ordinary | 29,448 | 29,448 |
| 2-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.77 | Ordinary | 14,724 | 14,724 |
| 2-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.77 | Ordinary | 44,172 | 44,172 |
| 3-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.77 | Ordinary | 238,747 | 238,747 |
| 3-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.76 | Ordinary | 11,043 | 11,043 |
| 4-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.75 | Ordinary | 300,562 | 300,562 |
| 4-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.76 | Ordinary | 3,681 | 3,681 |
| 7-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.76 | Ordinary | 27,489 | 27,489 |
| 10-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.76 | Ordinary | 7,262 | 7,262 |
| 11-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.77 | Ordinary | 14,524 | 14,524 |
| 15-Jan-2019 | The Vanguard Group, Inc. | SELL | 1.76 | Ordinary | (3,631) | (3,631) |
| 16-Jan-2019 | The Vanguard Group, Inc. | SELL | 1.75 | Ordinary | (72,620) | (72,620) |
| 17-Jan-2019 | The Vanguard Group, Inc. | BUY | 1.75 | Ordinary | 5,357 | 5,357 |
| 29-Jan-2019 | The Vanguard Group, Inc. | SELL | 1.79 | Ordinary | (14,724) | (14,724) |
| 1-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.80 | Ordinary | (18,155) | (18,155) |
| 1-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.80 | Ordinary | (14,524) | (14,524) |
| 1-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.80 | Ordinary | (14,724) | (14,724) |
| 1-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.80 | Ordinary | (18,405) | (18,405) |
| 7-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.85 | Ordinary | (15,512) | (15,512) |
| 7-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.85 | Ordinary | (14,724) | (14,724) |
| 8-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.86 | Ordinary | (11,043) | (11,043) |
| 12-Feb-2019 | The Vanguard Group, Inc. | BUY | 1.90 | Ordinary | 7,170 | 7,170 |
| 13-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.88 | Ordinary | (25,767) | (25,767) |
| 15-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.87 | Ordinary | (14,724) | (14,724) |
| 22-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.89 | Ordinary | (18,405) | (18,405) |
| 25-Feb-2019 | The Vanguard Group, Inc. | BUY | 1.89 | Ordinary | 3,631 | 3,631 |
| 25-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.89 | Ordinary | (7,362) | (7,362) |
| 25-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.89 | Ordinary | (11,043) | (11,043) |
| 25-Feb-2019 | The Vanguard Group, Inc. | SELL | 1.89 | Ordinary | (7,362) | (7,362) |
| 28-Feb-2019 | The Vanguard Group, Inc. | BUY | 1.76 | Ordinary | 31,397 | 31,397 |
| 1-Mar-2019 | The Vanguard Group, Inc. | BUY | 1.78 | Ordinary | 10,893 | 10,893 |
| 5-Mar-2019 | The Vanguard Group, Inc. | BUY | 1.75 | Ordinary | 18,155 | 18,155 |
| 6-Mar-2019 | The Vanguard Group, Inc. | BUY | 1.76 | Ordinary | 13,002 | 13,002 |
| 13-Mar-2019 | The Vanguard Group, Inc. | BUY | 1.75 | Ordinary | 16,401 | 16,401 |
| 15-Mar-2019 | The Vanguard Group, Inc. | BUY | 1.75 | Ordinary | 218,910 | 218,910 |
| 15-Mar-2019 | The Vanguard Group, Inc. | BUY | 1.75 | Ordinary | 3,433 | 3,433 |
| 22-Mar-2019 | The Vanguard Group, Inc. | BUY | 1.76 | Ordinary | 25,887 | 25,887 |
| 27-Mar-2019 | The Vanguard Group, Inc. | BUY | 1.76 | Ordinary | 15,040 | 15,040 |
| 27-Mar-2019 | The Vanguard Group, Inc. | SELL | 1.76 | Ordinary | (7,362) | (7,362) |
| 1-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.76 | Ordinary | 13,356 | 13,356 |
| 3-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.75 | Ordinary | 163,795 | 163,795 |
| 5-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.72 | Ordinary | 11,280 | 11,280 |
| 5-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.72 | Ordinary | 3,760 | 3,760 |
| 15-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.74 | Ordinary | 12,537 | 12,537 |
| 16-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.74 | Ordinary | 66,849 | 66,849 |
| 16-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.75 | Ordinary | 29,802 | 29,802 |
| 26-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.81 | Ordinary | 2,125 | 2,125 |
| 26-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.81 | Ordinary | 4,967 | 4,967 |
| 26-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.81 | Ordinary | 14,901 | 14,901 |
| 29-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.79 | Ordinary | 143,209 | 143,209 |
| 29-Apr-2019 | The Vanguard Group, Inc. | BUY | 1.80 | Ordinary | 6,970 | 6,970 |
| 6-May-2019 | The Vanguard Group, Inc. | SELL | 1.74 | Ordinary | (16,458) | (16,458) |
| 8-May-2019 | The Vanguard Group, Inc. | SELL | 1.72 | Ordinary | (16,458) | (16,458) |
| 8-May-2019 | The Vanguard Group, Inc. | BUY | 1.72 | Ordinary | 13,940 | 13,940 |
| 9-May-2019 | The Vanguard Group, Inc. | BUY | 1.72 | Ordinary | 2,550 | 2,550 |
| 10-May-2019 | The Vanguard Group, Inc. | BUY | 1.73 | Ordinary | 2,241 | 2,241 |
| 14-May-2019 | The Vanguard Group, Inc. | SELL | 1.74 | Ordinary | (16,458) | (16,458) |
| 17-May-2019 | The Vanguard Group, Inc. | BUY | 1.74 | Ordinary | 8,582 | 8,582 |
| 22-May-2019 | The Vanguard Group, Inc. | BUY | 1.70 | Ordinary | 13,940 | 13,940 |
| 28-May-2019 | The Vanguard Group, Inc. | BUY | 1.72 | Ordinary | 2,125 | 2,125 |
| 28-May-2019 | The Vanguard Group, Inc. | BUY | 1.73 | Ordinary | 24,225 | 24,225 |

| 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 |
|----------------|--|---------------------|--|----------|-------------------------------|-------------------------|
| 29-May-2019 | The Vanguard Group, Inc. | BUY | 1.71 | Ordinary | 23,034 | 23,034 |
| 29-May-2019 | The Vanguard Group, Inc. | BUY | 1.69 | Ordinary | 11,043 | 11,043 |
| 29-May-2019 | The Vanguard Group, Inc. | SELL | 1.70 | Ordinary | (1,756) | (1,756) |
| 4-Jun-2019 | The Vanguard Group, Inc. | BUY | 1.71 | Ordinary | 11,043 | 11,043 |
| 5-Jun-2019 | The Vanguard Group, Inc. | SELL | 1.72 | Ordinary | (21,944) | (21,944) |
| 5-Jun-2019 | The Vanguard Group, Inc. | SELL | 1.72 | Ordinary | (10,972) | (10,972) |
| 7-Jun-2019 | The Vanguard Group, Inc. | BUY | 1.76 | Ordinary | 102,490 | 102,490 |
| 11-Jun-2019 | The Vanguard Group, Inc. | SELL | 1.81 | Ordinary | (13,715) | (13,715) |
| 11-Jun-2019 | The Vanguard Group, Inc. | BUY | 1.80 | Ordinary | 106,006 | 106,006 |
| 11-Jun-2019 | The Vanguard Group, Inc. | BUY | 1.80 | Ordinary | 20,000 | 20,000 |
| 12-Jun-2019 | The Vanguard Group, Inc. | BUY | 1.81 | Ordinary | 121,931 | 121,931 |
| 18-Jun-2019 | The Vanguard Group, Inc. | BUY | 1.86 | Ordinary | 100,838 | 100,838 |
| 25-Jun-2019 | The Vanguard Group, Inc. | SELL | 1.84 | Ordinary | (7,011) | (7,011) |
| 25-Jun-2019 | The Vanguard Group, Inc. | SELL | 1.84 | Ordinary | (7,011) | (7,011) |
| 26-Jun-2019 | The Vanguard Group, Inc. | BUY | 1.71 | Ordinary | 601,394 | 601,394 |
| 27-Jun-2019 | The Vanguard Group, Inc. | BUY | 1.44 | Ordinary | 10,252 | 10,252 |
| 1-Jul-2019 | The Vanguard Group, Inc. | BUY | 1.71 | Ordinary | 44,600 | 44,600 |
| 12-Jul-2019 | The Vanguard Group, Inc. | BUY | 1.77 | Ordinary | 62,945 | 62,945 |
| 17-Jul-2019 | The Vanguard Group, Inc. | BUY | 1.74 | Ordinary | 41,294 | 41,294 |
| 18-Jul-2019 | The Vanguard Group, Inc. | SELL | 1.73 | Ordinary | (24,066) | (24,066) |
| 18-Jul-2019 | The Vanguard Group, Inc. | SELL | 1.73 | Ordinary | (8,022) | (8,022) |
| 18-Jul-2019 | The Vanguard Group, Inc. | SELL | 1.73 | Ordinary | (36,099) | (36,099) |
| 19-Jul-2019 | The Vanguard Group, Inc. | SELL | 1.72 | Ordinary | (48,132) | (48,132) |
| 22-Jul-2019 | The Vanguard Group, Inc. | SELL | 1.72 | Ordinary | (16,044) | (16,044) |
| 22-Jul-2019 | The Vanguard Group, Inc. | SELL | 1.72 | Ordinary | (24,066) | (24,066) |
| 25-Jul-2019 | The Vanguard Group, Inc. | SELL | 1.73 | Ordinary | (20,055) | (20,055) |
| 29-Jul-2019 | The Vanguard Group, Inc. | SELL | 1.67 | Ordinary | (8,022) | (8,022) |
| 30-Jul-2019 | The Vanguard Group, Inc. | SELL | 1.65 | Ordinary | (8,000) | (8,000) |
| 5-Aug-2019 | The Vanguard Group, Inc. | SELL | 1.65 | Ordinary | (12,033) | (12,033) |
| 5-Aug-2019 | The Vanguard Group, Inc. | SELL | 1.65 | Ordinary | (11,043) | (11,043) |
| 5-Aug-2019 | The Vanguard Group, Inc. | SELL | 1.65 | Ordinary | (11,043) | (11,043) |
| 6-Aug-2019 | The Vanguard Group, Inc. | BUY | 1.63 | Ordinary | 330,704 | 330,704 |
| 7-Aug-2019 | The Vanguard Group, Inc. | BUY | 1.65 | Ordinary | 4,618 | 4,618 |
| 8-Aug-2019 | The Vanguard Group, Inc. | SELL | 1.66 | Ordinary | (10,000) | (10,000) |
| 13-Aug-2019 | The Vanguard Group, Inc. | SELL | 1.68 | Ordinary | (14,000) | (14,000) |
| 15-Aug-2019 | The Vanguard Group, Inc. | SELL | 1.68 | Ordinary | (12,000) | (12,000) |
| 19-Aug-2019 | The Vanguard Group, Inc. | SELL | 1.72 | Ordinary | (3,681) | (3,681) |
| 20-Aug-2019 | The Vanguard Group, Inc. | SELL | 1.78 | Ordinary | (21,520) | (21,520) |
| 4-Sep-2019 | The Vanguard Group, Inc. | SELL | 1.81 | Ordinary | (3,681) | (3,681) |
| 5-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.82 | Ordinary | 43,040 | 43,040 |
| 5-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.82 | Ordinary | 34,432 | 34,432 |
| 5-Sep-2019 | The Vanguard Group, Inc. | SELL | 1.82 | Ordinary | (14,569) | (14,569) |
| 6-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.81 | Ordinary | 17,216 | 17,216 |
| 16-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.79 | Ordinary | 6,000 | 6,000 |
| 17-Sep-2019 | The Vanguard Group, Inc. | SELL | 1.79 | Ordinary | (12,912) | (12,912) |
| 18-Sep-2019 | The Vanguard Group, Inc. | SELL | 1.79 | Ordinary | (25,824) | (25,824) |
| 18-Sep-2019 | The Vanguard Group, Inc. | SELL | 1.79 | Ordinary | (4,304) | (4,304) |
| 18-Sep-2019 | The Vanguard Group, Inc. | SELL | 1.79 | Ordinary | (7,362) | (7,362) |
| 20-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.80 | Ordinary | 149,857 | 149,857 |
| 20-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.80 | Ordinary | 683,850 | 683,850 |
| 20-Sep-2019 | The Vanguard Group, Inc. | SELL | 1.80 | Ordinary | (119,418) | (119,418) |
| 20-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.80 | Ordinary | 288,157 | 288,157 |
| 20-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.80 | Ordinary | 14,625 | 14,625 |
| 26-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.79 | Ordinary | 203,110 | 203,110 |
| 26-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.79 | Ordinary | 70,721 | 70,721 |
| 27-Sep-2019 | The Vanguard Group, Inc. | BUY | 1.80 | Ordinary | 37,707 | 37,707 |
| 2-Oct-2019 | The Vanguard Group, Inc. | BUY | 1.78 | Ordinary | 12,870 | 12,870 |
| 3-Oct-2019 | The Vanguard Group, Inc. | BUY | 1.79 | Ordinary | 356,706 | 356,706 |
| 4-Oct-2019 | The Vanguard Group, Inc. | BUY | 1.81 | Ordinary | 207,312 | 207,312 |
| 14-Oct-2019 | The Vanguard Group, Inc. | BUY | 1.83 | Ordinary | 51,615 | 51,615 |
| 16-Oct-2019 | The Vanguard Group, Inc. | SELL | 1.83 | Ordinary | (40,200) | (40,200) |
| 18-Oct-2019 | The Vanguard Group, Inc. | SELL | 1.83 | Ordinary | (2,041) | (2,041) |
| 18-Oct-2019 | The Vanguard Group, Inc. | SELL | 1.83 | Ordinary | (20,059) | (20,059) |
| 21-Oct-2019 | The Vanguard Group, Inc. | BUY | 1.84 | Ordinary | 12,870 | 12,870 |
| 25-Oct-2019 | The Vanguard Group, Inc. | SELL | 1.85 | Ordinary | (19,440) | (19,440) |
| 29-Oct-2019 | The Vanguard Group, Inc. | SELL | 1.84 | Ordinary | (3,736) | (3,736) |
| 6-Nov-2019 | The Vanguard Group, Inc. | BUY | 1.89 | Ordinary | 188,550 | 188,550 |
| 7-Nov-2019 | The Vanguard Group, Inc. | BUY | 1.90 | Ordinary | 144,665 | 144,665 |
| 7-Nov-2019 | The Vanguard Group, Inc. | BUY | 1.91 | Ordinary | 17,160 | 17,160 |

| 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-Nov-2019 | The Vanguard Group, Inc. | SELL | 1.89 | Ordinary | (22,440) | (22,440) |
| 12-Nov-2019 | The Vanguard Group, Inc. | SELL | 1.92 | Ordinary | (12,280) | (12,280) |
| 14-Nov-2019 | The Vanguard Group, Inc. | BUY | 1.90 | Ordinary | 8,580 | 8,580 |
| 4-Dec-2019 | The Vanguard Group, Inc. | BUY | 1.89 | Ordinary | 215,528 | 215,528 |
| 4-Dec-2019 | The Vanguard Group, Inc. | SELL | 1.89 | Ordinary | (19,465) | (19,465) |
| 5-Dec-2019 | The Vanguard Group, Inc. | BUY | 1.90 | Ordinary | 205,265 | 205,265 |
| 5-Dec-2019 | The Vanguard Group, Inc. | SELL | 1.90 | Ordinary | (66,753) | (66,753) |
| 5-Dec-2019 | The Vanguard Group, Inc. | SELL | 1.90 | Ordinary | (32,305) | (32,305) |
| 5-Dec-2019 | The Vanguard Group, Inc. | SELL | 1.90 | Ordinary | (5,245) | (5,245) |
| 17-Dec-2019 | The Vanguard Group, Inc. | SELL | 1.96 | Ordinary | (21,063) | (21,063) |
| 19-Dec-2019 | The Vanguard Group, Inc. | BUY | 1.91 | Ordinary | 40,019 | 40,019 |
| 19-Dec-2019 | The Vanguard Group, Inc. | BUY | 1.92 | Ordinary | 218 | 218 |
| 20-Dec-2019 | The Vanguard Group, Inc. | BUY | 1.89 | Ordinary | 20,954 | 20,954 |
| 20-Dec-2019 | The Vanguard Group, Inc. | SELL | 1.89 | Ordinary | (21,975) | (21,975) |
| 20-Dec-2019 | The Vanguard Group, Inc. | BUY | 1.89 | Ordinary | 430 | 430 |
| 27-Dec-2018 | Vanguard Investments Australia Ltd. | BUY | 1.83 | Ordinary | 9,342 | 9,342 |
| 31-Dec-2018 | Vanguard Investments Australia Ltd. | SELL | 1.76 | Ordinary | (101,085) | (101,085) |
| 8-Jan-2019 | Vanguard Investments Australia Ltd. | BUY | 1.73 | Ordinary | 16,620 | 16,620 |
| 9-Jan-2019 | Vanguard Investments Australia Ltd. | BUY | 1.75 | Ordinary | 18,392 | 18,392 |
| 11-Jan-2019 | Vanguard Investments Australia Ltd. | BUY | 1.77 | Ordinary | 20,724 | 20,724 |
| 14-Jan-2019 | Vanguard Investments Australia Ltd. | BUY | 1.78 | Ordinary | 8,538 | 8,538 |
| 16-Jan-2019 | Vanguard Investments Australia Ltd. | SELL | 1.75 | Ordinary | (19,302) | (19,302) |
| 22-Jan-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 27,585 | 27,585 |
| 23-Jan-2019 | Vanguard Investments Australia Ltd. | BUY | 1.76 | Ordinary | 9,195 | 9,195 |
| 29-Jan-2019 | Vanguard Investments Australia Ltd. | SELL | 1.79 | Ordinary | (105,898) | (105,898) |
| 30-Jan-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 6,956 | 6,956 |
| 1-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 54,119 | 54,119 |
| 4-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 127,792 | 127,792 |
| 4-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 18,390 | 18,390 |
| 5-Feb-2019 | Vanguard Investments Australia Ltd. | SELL | 1.82 | Ordinary | (121,730) | (121,730) |
| 7-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.85 | Ordinary | 11,384 | 11,384 |
| 12-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.90 | Ordinary | 5,704 | 5,704 |
| 14-Feb-2019 | Vanguard Investments Australia Ltd. | SELL | 1.86 | Ordinary | (15,782) | (15,782) |
| 14-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.86 | Ordinary | 27,855 | 27,855 |
| 19-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.88 | Ordinary | 17,303 | 17,303 |
| 25-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.90 | Ordinary | 25,289 | 25,289 |
| 26-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 9,285 | 9,285 |
| 26-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 8,556 | 8,556 |
| 26-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 15,730 | 15,730 |
| 27-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.87 | Ordinary | 4,935 | 4,935 |
| 27-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.87 | Ordinary | 48,033 | 48,033 |
| 28-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 10,589 | 10,589 |
| 28-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.76 | Ordinary | 27,855 | 27,855 |
| 28-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 103,076 | 103,076 |
| 28-Feb-2019 | Vanguard Investments Australia Ltd. | BUY | 1.76 | Ordinary | 21,803 | 21,803 |
| 1-Mar-2019 | Vanguard Investments Australia Ltd. | BUY | 1.78 | Ordinary | 70,876 | 70,876 |
| 5-Mar-2019 | Vanguard Investments Australia Ltd. | BUY | 1.76 | Ordinary | 100,672 | 100,672 |
| 15-Mar-2019 | Vanguard Investments Australia Ltd. | BUY | 1.75 | Ordinary | 9,285 | 9,285 |
| 15-Mar-2019 | Vanguard Investments Australia Ltd. | BUY | 1.75 | Ordinary | 216,368 | 216,368 |
| 19-Mar-2019 | Vanguard Investments Australia Ltd. | BUY | 1.75 | Ordinary | 27,855 | 27,855 |
| 29-Mar-2019 | Vanguard Investments Australia Ltd. | SELL | 1.77 | Ordinary | (175,477) | (175,477) |
| 1-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.77 | Ordinary | 20,769 | 20,769 |
| 1-Apr-2019 | Vanguard Investments Australia Ltd. | SELL | 1.77 | Ordinary | (76,078) | (76,078) |
| 2-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.76 | Ordinary | 80,376 | 80,376 |
| 2-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.75 | Ordinary | 11,088 | 11,088 |
| 4-Apr-2019 | Vanguard Investments Australia Ltd. | SELL | 1.74 | Ordinary | (17,746) | (17,746) |
| 4-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 9,246 | 9,246 |
| 5-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.72 | Ordinary | 27,738 | 27,738 |
| 8-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.75 | Ordinary | 9,246 | 9,246 |
| 8-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.75 | Ordinary | 13,384 | 13,384 |
| 9-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.73 | Ordinary | 228,336 | 228,336 |
| 10-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 9,236 | 9,236 |
| 12-Apr-2019 | Vanguard Investments Australia Ltd. | SELL | 1.75 | Ordinary | (38,196) | (38,196) |
| 15-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 18,466 | 18,466 |
| 29-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 27,699 | 27,699 |
| 29-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 18,466 | 18,466 |
| 30-Apr-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 21,336 | 21,336 |
| 2-May-2019 | Vanguard Investments Australia Ltd. | SELL | 1.79 | Ordinary | (75,333) | (75,333) |
| 3-May-2019 | Vanguard Investments Australia Ltd. | SELL | 1.76 | Ordinary | (13,806) | (13,806) |

| 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 |
|----------------|--|---------------------|--|----------|-------------------------------|-------------------------|
| 3-May-2019 | Vanguard Investments Australia Ltd. | SELL | 1.77 | Ordinary | (162,991) | (162,991) |
| 6-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 69,915 | 69,915 |
| 7-May-2019 | Vanguard Investments Australia Ltd. | SELL | 1.73 | Ordinary | (93,781) | (93,781) |
| 9-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.72 | Ordinary | 27,699 | 27,699 |
| 10-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.73 | Ordinary | 109,968 | 109,968 |
| 10-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.73 | Ordinary | 15,174 | 15,174 |
| 14-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 18,328 | 18,328 |
| 16-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 84,751 | 84,751 |
| 17-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 17,340 | 17,340 |
| 21-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.73 | Ordinary | 16,410 | 16,410 |
| 22-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 36,656 | 36,656 |
| 24-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.72 | Ordinary | 18,322 | 18,322 |
| 28-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.73 | Ordinary | 10,700 | 10,700 |
| 29-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.70 | Ordinary | 27,471 | 27,471 |
| 29-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.70 | Ordinary | 6,080 | 6,080 |
| 30-May-2019 | Vanguard Investments Australia Ltd. | SELL | 1.67 | Ordinary | (18,109) | (18,109) |
| 30-May-2019 | Vanguard Investments Australia Ltd. | BUY | 1.68 | Ordinary | 18,204 | 18,204 |
| 30-May-2019 | Vanguard Investments Australia Ltd. | SELL | 1.67 | Ordinary | (210,563) | (210,563) |
| 4-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 10,700 | 10,700 |
| 6-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 18,204 | 18,204 |
| 6-Jun-2019 | Vanguard Investments Australia Ltd. | SELL | 1.74 | Ordinary | (62,427) | (62,427) |
| 6-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 12,840 | 12,840 |
| 11-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.81 | Ordinary | 36,408 | 36,408 |
| 14-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.85 | Ordinary | 27,306 | 27,306 |
| 17-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 6,078 | 6,078 |
| 17-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 8,264 | 8,264 |
| 20-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.86 | Ordinary | 27,306 | 27,306 |
| 21-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.83 | Ordinary | 36,408 | 36,408 |
| 21-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.83 | Ordinary | 6,198 | 6,198 |
| 25-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 6,108 | 6,108 |
| 27-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.78 | Ordinary | 36,932 | 36,932 |
| 27-Jun-2019 | Vanguard Investments Australia Ltd. | BUY | 1.78 | Ordinary | 6,587 | 6,587 |
| 28-Jun-2019 | Vanguard Investments Australia Ltd. | SELL | 1.75 | Ordinary | (290,717) | (290,717) |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 20,446 | 20,446 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 69,273 | 69,273 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 41,657 | 41,657 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 32,170 | 32,170 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 71,796 | 71,796 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 383,295 | 383,295 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 152,651 | 152,651 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 169,021 | 169,021 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 382,006 | 382,006 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.77 | Ordinary | 17,970 | 17,970 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 4,046,261 | 4,046,261 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 93,782 | 93,782 |
| 1-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.71 | Ordinary | 836,248 | 836,248 |
| 2-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.75 | Ordinary | 11,652 | 11,652 |
| 3-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.75 | Ordinary | 41,428 | 41,428 |
| 5-Jul-2019 | Vanguard Investments Australia Ltd. | SELL | 1.77 | Ordinary | (21,346) | (21,346) |
| 8-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.76 | Ordinary | 6,498 | 6,498 |
| 9-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.77 | Ordinary | 6,498 | 6,498 |
| 11-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 41,292 | 41,292 |
| 11-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 6,600 | 6,600 |
| 15-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 83,274 | 83,274 |
| 15-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 30,969 | 30,969 |
| 16-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 12,972 | 12,972 |
| 17-Jul-2019 | Vanguard Investments Australia Ltd. | SELL | 1.74 | Ordinary | (21,104) | (21,104) |
| 17-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.74 | Ordinary | 20,646 | 20,646 |
| 18-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.73 | Ordinary | 10,356 | 10,356 |
| 22-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.72 | Ordinary | 30,966 | 30,966 |
| 22-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.72 | Ordinary | 20,644 | 20,644 |
| 25-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.73 | Ordinary | 30,966 | 30,966 |
| 29-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.67 | Ordinary | 20,644 | 20,644 |
| 29-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.67 | Ordinary | 60,874 | 60,874 |
| 30-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.66 | Ordinary | 11,550 | 11,550 |
| 31-Jul-2019 | Vanguard Investments Australia Ltd. | BUY | 1.64 | Ordinary | 20,646 | 20,646 |
| 1-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.65 | Ordinary | 103,888 | 103,888 |
| 2-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.67 | Ordinary | 20,622 | 20,622 |
| 5-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.66 | Ordinary | 6,894 | 6,894 |

| 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-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.63 | Ordinary | 20,622 | 20,622 |
| 6-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.63 | Ordinary | 20,842 | 20,842 |
| 6-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.63 | Ordinary | 9,513 | 9,513 |
| 6-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.63 | Ordinary | 9,513 | 9,513 |
| 6-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.63 | Ordinary | 96,317 | 96,317 |
| 7-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.65 | Ordinary | 84,315 | 84,315 |
| 8-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.66 | Ordinary | 30,933 | 30,933 |
| 8-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.66 | Ordinary | 11,517 | 11,517 |
| 9-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.67 | Ordinary | 30,933 | 30,933 |
| 9-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.67 | Ordinary | 17,485 | 17,485 |
| 12-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.66 | Ordinary | 11,682 | 11,682 |
| 14-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.70 | Ordinary | 20,714 | 20,714 |
| 16-Aug-2019 | Vanguard Investments Australia Ltd. | SELL | 1.71 | Ordinary | (23,621) | (23,621) |
| 19-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.72 | Ordinary | 20,696 | 20,696 |
| 21-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 31,044 | 31,044 |
| 27-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.86 | Ordinary | 296,401 | 296,401 |
| 27-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.86 | Ordinary | 14,305 | 14,305 |
| 28-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 21,308 | 21,308 |
| 28-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 454,467 | 454,467 |
| 29-Aug-2019 | Vanguard Investments Australia Ltd. | SELL | 1.83 | Ordinary | (14,288) | (14,288) |
| 30-Aug-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 54,025 | 54,025 |
| 2-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 31,047 | 31,047 |
| 2-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 7,148 | 7,148 |
| 2-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 22,110 | 22,110 |
| 5-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.82 | Ordinary | 31,017 | 31,017 |
| 10-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.77 | Ordinary | 41,356 | 41,356 |
| 10-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.77 | Ordinary | 10,764 | 10,764 |
| 11-Sep-2019 | Vanguard Investments Australia Ltd. | SELL | 1.77 | Ordinary | (22,306) | (22,306) |
| 13-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 24,607 | 24,607 |
| 13-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 31,017 | 31,017 |
| 17-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 31,014 | 31,014 |
| 17-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 21,432 | 21,432 |
| 20-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 11,400 | 11,400 |
| 23-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 30,873 | 30,873 |
| 23-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 16,800 | 16,800 |
| 24-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 20,582 | 20,582 |
| 24-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 100,908 | 100,908 |
| 25-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 15,848 | 15,848 |
| 26-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 30,888 | 30,888 |
| 27-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 10,770 | 10,770 |
| 27-Sep-2019 | Vanguard Investments Australia Ltd. | BUY | 1.80 | Ordinary | 13,608 | 13,608 |
| 2-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 85,540 | 85,540 |
| 2-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 51,240 | 51,240 |
| 2-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.79 | Ordinary | 21,432 | 21,432 |
| 2-Oct-2019 | Vanguard Investments Australia Ltd. | SELL | 1.79 | Ordinary | (27,072) | (27,072) |
| 4-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.81 | Ordinary | 19,091 | 19,091 |
| 7-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.82 | Ordinary | 44,649 | 44,649 |
| 9-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.83 | Ordinary | 51,175 | 51,175 |
| 10-Oct-2019 | Vanguard Investments Australia Ltd. | SELL | 1.83 | Ordinary | (10,841) | (10,841) |
| 11-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 14,348 | 14,348 |
| 11-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 14,348 | 14,348 |
| 11-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 8,760 | 8,760 |
| 14-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.83 | Ordinary | 97,961 | 97,961 |
| 16-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 116,088 | 116,088 |
| 16-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 40,936 | 40,936 |
| 18-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.83 | Ordinary | 50,218 | 50,218 |
| 18-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.83 | Ordinary | 11,090 | 11,090 |
| 21-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.84 | Ordinary | 30,681 | 30,681 |
| 22-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.83 | Ordinary | 10,990 | 10,990 |
| 28-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.85 | Ordinary | 30,678 | 30,678 |
| 28-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.85 | Ordinary | 10,870 | 10,870 |
| 30-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.86 | Ordinary | 23,477 | 23,477 |
| 30-Oct-2019 | Vanguard Investments Australia Ltd. | SELL | 1.86 | Ordinary | (13,600) | (13,600) |
| 31-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.86 | Ordinary | 40,904 | 40,904 |
| 31-Oct-2019 | Vanguard Investments Australia Ltd. | BUY | 1.86 | Ordinary | 25,752 | 25,752 |
| 31-Oct-2019 | Vanguard Investments Australia Ltd. | SELL | 1.86 | Ordinary | (12,876) | (12,876) |
| 1-Nov-2019 | Vanguard Investments Australia Ltd. | SELL | 1.89 | Ordinary | (26,882) | (26,882) |
| 4-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.90 | Ordinary | 20,452 | 20,452 |
| 5-Nov-2019 | Vanguard Investments Australia Ltd. | SELL | 1.89 | Ordinary | (111,308) | (111,308) |

| 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-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 12,504 | 12,504 |
| 6-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 40,872 | 40,872 |
| 11-Nov-2019 | Vanguard Investments Australia Ltd. | SELL | 1.91 | Ordinary | (34,331) | (34,331) |
| 11-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.91 | Ordinary | 20,436 | 20,436 |
| 11-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.91 | Ordinary | 86,286 | 86,286 |
| 11-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.91 | Ordinary | 14,328 | 14,328 |
| 11-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.91 | Ordinary | 25,074 | 25,074 |
| 11-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.91 | Ordinary | 28,656 | 28,656 |
| 11-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.91 | Ordinary | 37,038 | 37,038 |
| 12-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 30,654 | 30,654 |
| 12-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 11,770 | 11,770 |
| 13-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.87 | Ordinary | 10,779 | 10,779 |
| 13-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.87 | Ordinary | 3,120 | 3,120 |
| 15-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 20,436 | 20,436 |
| 19-Nov-2019 | Vanguard Investments Australia Ltd. | SELL | 1.93 | Ordinary | (13,123) | (13,123) |
| 19-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 17,940 | 17,940 |
| 19-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 28,704 | 28,704 |
| 19-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 13,975 | 13,975 |
| 20-Nov-2019 | Vanguard Investments Australia Ltd. | SELL | 1.92 | Ordinary | (45,162) | (45,162) |
| 20-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 30,630 | 30,630 |
| 20-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 30,630 | 30,630 |
| 20-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 7,574 | 7,574 |
| 21-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.90 | Ordinary | 22,617 | 22,617 |
| 22-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 20,422 | 20,422 |
| 25-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 61,891 | 61,891 |
| 25-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 32,184 | 32,184 |
| 25-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 17,880 | 17,880 |
| 26-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 20,422 | 20,422 |
| 26-Nov-2019 | Vanguard Investments Australia Ltd. | SELL | 1.91 | Ordinary | (19,936) | (19,936) |
| 27-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 40,844 | 40,844 |
| 27-Nov-2019 | Vanguard Investments Australia Ltd. | SELL | 1.92 | Ordinary | (17,643) | (17,643) |
| 28-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 51,045 | 51,045 |
| 29-Nov-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 14,004 | 14,004 |
| 2-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.94 | Ordinary | 40,836 | 40,836 |
| 2-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.94 | Ordinary | 30,627 | 30,627 |
| 2-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.94 | Ordinary | 36,577 | 36,577 |
| 4-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 40,836 | 40,836 |
| 4-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 40,836 | 40,836 |
| 4-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 53,191 | 53,191 |
| 4-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 25,850 | 25,850 |
| 6-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 224,357 | 224,357 |
| 6-Dec-2019 | Vanguard Investments Australia Ltd. | SELL | 1.91 | Ordinary | (224,357) | (224,357) |
| 6-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 30,627 | 30,627 |
| 6-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 25,242 | 25,242 |
| 9-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 52,930 | 52,930 |
| 9-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 14,268 | 14,268 |
| 10-Dec-2019 | Vanguard Investments Australia Ltd. | SELL | 1.92 | Ordinary | (10,114) | (10,114) |
| 11-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 22,808 | 22,808 |
| 11-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 30,624 | 30,624 |
| 11-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 30,624 | 30,624 |
| 12-Dec-2019 | Vanguard Investments Australia Ltd. | SELL | 1.92 | Ordinary | (51,258) | (51,258) |
| 13-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.90 | Ordinary | 40,796 | 40,796 |
| 13-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.90 | Ordinary | 40,796 | 40,796 |
| 13-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.90 | Ordinary | 11,460 | 11,460 |
| 16-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.95 | Ordinary | 10,455 | 10,455 |
| 18-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 40,792 | 40,792 |
| 18-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.93 | Ordinary | 154,770 | 154,770 |
| 18-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 15,890 | 15,890 |
| 19-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.91 | Ordinary | 28,836 | 28,836 |
| 19-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 157 | 157 |
| 19-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.91 | Ordinary | 70,560 | 70,560 |
| 19-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 385 | 385 |
| 19-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.90 | Ordinary | 40,792 | 40,792 |
| 19-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.92 | Ordinary | 4,958 | 4,958 |
| 19-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.91 | Ordinary | 910,974 | 910,974 |
| 20-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 32,282 | 32,282 |
| 20-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 15,099 | 15,099 |
| 20-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 37,205 | 37,205 |
| 20-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 36,946 | 36,946 |

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 |
|----------------|--|---------------------|--|----------|-------------------------------|-------------------------|
| 20-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 202,995 | 202,995 |
| 20-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 40,792 | 40,792 |
| 20-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 477,001 | 477,001 |
| 20-Dec-2019 | Vanguard Investments Australia Ltd. | BUY | 1.89 | Ordinary | 520,616 | 520,616 |

This is Annexure A of 7 pages referred to in Form 604, Notice of change of interest of substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 24 December 2019