

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**To Company Name/Scheme QANTAS AIRWAYS LTDACN/ARSN 009 661 901**1. Details of substantial holder (1)**Name BlackRock Group (BlackRock Inc. and subsidiaries named in AnnexuresACN/ARSN (if applicable) to this form)The holder became a substantial holder on 08 / 03 / 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) |
|-------------------------|----------------------|--------------------|------------------|
| Ord | 87,457,824 | 87,457,824 | 5.01 |
| | | | |

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 |
|-----------------------------|---------------------------------|--------------------------------|
| Annexure A & D | | |
| | | |

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 |
|-----------------------------|---------------------------------|--|--------------------------------|
| see Annexure A | | | |
| | | | |

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 |
|-----------------------------|---------------------|-------------------|----------|--------------------------------|
| | | Cash | Non-cash | |
| see Annexure 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 |
|-----------------------------------|-----------------------|
| see Annexure A | |
| | |

7. Addresses

The addresses of persons named in this form are as follows:

| Name | Address |
|----------------|---------|
| see Annexure C | |
| | |

Signature

print name Kayla Mulvihill

capacity Authorised Signatory*

sign here

date 12 / 03 / 2018

* At a meeting of the Board on 22 November 2013, the Directors resolved to approve the delegation of the preparation and lodgement of substantial shareholder notices on behalf of BlackRock Investment Management (Australia) Limited.

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 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, 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.

12-Mar-18

Kayla Mulvihill,
Authorised Signatory

Date

3. Details of Relevant Interests

4. Details of present registered holders

6. Associates

| Holder of Relevant Interests Name and ACN / ARSN (if applicable) | Nature of Relevant Interest | Registered Holder of Securities | Person entitled to be registered as holder | Class and number of Securities | Person's votes | Nature of Association |
|---|---|---|--|--------------------------------|----------------|------------------------------|
| BlackRock (Singapore) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-STATE STREET SINGAPORE | | ord 6,265 | 6,265 | subsidiary of BlackRock Inc. |
| BlackRock Advisors (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BNYM-BONY EUROPE - LONDON | | ord 3,282,015 | 3,282,015 | subsidiary of BlackRock Inc. |
| BlackRock Advisors (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | JPM-JPM CHASE - LONDON | | ord 5,022,085 | 5,022,085 | subsidiary of BlackRock Inc. |
| BlackRock Advisors (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | KAS-KAS BANK - AMSTERDAM | | ord 956,382 | 956,382 | subsidiary of BlackRock Inc. |
| BlackRock Advisors (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-STATE STREET DUBLIN | | ord 8,175 | 8,175 | subsidiary of BlackRock Inc. |
| BlackRock Advisors, LLC | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK | | ord 1,268,601 | 1,268,601 | subsidiary of BlackRock Inc. |
| BlackRock Advisors, LLC | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BNYM-THE BANK OF NEW YORK | | ord 1,238,714 | 1,238,714 | subsidiary of BlackRock Inc. |
| BlackRock Advisors, LLC | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-STATE STREET MUTUAL FUNDS - BOSTON | | ord 264,555 | 264,555 | subsidiary of BlackRock Inc. |

| Holder of Relevant Interests Name and ACN / ARSN (if applicable) | Nature of Relevant Interest | Registered Holder of Securities | Person entitled to be registered as holder | Class and number of Securities | Person's votes | Nature of Association |
|---|---|--|---|---------------------------------------|-----------------------|------------------------------|
| BlackRock Asset Management Canada Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | NT-NORTHERN TRUST CO. - CHICAGO | | ord 101,346 | 101,346 | subsidiary of BlackRock Inc. |
| BlackRock Asset Management Canada Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-STATE STREET SACRAMENTO | | ord 763,397 | 763,397 | subsidiary of BlackRock Inc. |
| BlackRock Asset Management North Asia Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | CITI-CITIBANK, HONG KONG | | ord 695 | 695 | subsidiary of BlackRock Inc. |
| BlackRock Asset Management North Asia Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | HSBC-HSBC, HONG KONG | | ord 5,356 | 5,356 | subsidiary of BlackRock Inc. |
| BlackRock Asset Management North Asia Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | Northern Trust Singapore | | ord 1,499 | 1,499 | subsidiary of BlackRock Inc. |
| BlackRock Financial Management, Inc. | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BNYM-THE BANK OF NEW YORK | | ord 2,494,088 | 2,494,088 | subsidiary of BlackRock Inc. |
| BlackRock Financial Management, Inc. | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | HSBC-HSBC, HONG KONG | | ord 512,637 | 512,637 | subsidiary of BlackRock Inc. |
| BlackRock Financial Management, Inc. | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | JPM-JP MORGAN CHASE - NEW YORK | | ord 221,095 | 221,095 | subsidiary of BlackRock Inc. |
| BlackRock Financial Management, Inc. | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-SSB NEW YORK INSTITUTIONAL | | ord 5,829,801 | 5,829,801 | subsidiary of BlackRock Inc. |
| BlackRock Financial Management, Inc. | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-STATE STATE HONG KONG | | ord 2,507,967 | 2,507,967 | subsidiary of BlackRock Inc. |
| BlackRock Fund Advisors | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-STATE STREET SACRAMENTO | | ord 151,390 | 151,390 | subsidiary of BlackRock Inc. |
| BlackRock Institutional Trust Company, National Association | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BNYM-THE BANK OF NEW YORK | | ord 8,769,365 | 8,769,365 | subsidiary of BlackRock Inc. |
| BlackRock Institutional Trust Company, National Association | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK | | ord 714,639 | 714,639 | subsidiary of BlackRock Inc. |

| Holder of Relevant Interests Name and ACN / ARSN (if applicable) | Nature of Relevant Interest | Registered Holder of Securities | Person entitled to be registered as holder | Class and number of Securities | Person's votes | Nature of Association |
|---|---|--|---|---------------------------------------|-----------------------|------------------------------|
| BlackRock Institutional Trust Company, National Association | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | CITI-CITIGROUP GLOBAL MARKETS PRIME BROKERAGE - NEW YORK | | ord 882,751 | 882,751 | subsidiary of BlackRock Inc. |
| BlackRock Institutional Trust Company, National Association | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | JPM-JP MORGAN CHASE - NEW YORK | | ord 924,288 | 924,288 | subsidiary of BlackRock Inc. |
| BlackRock Institutional Trust Company, National Association | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | MS-MORGAN STANLEY & CO INC | | ord 346,209 | 346,209 | subsidiary of BlackRock Inc. |
| BlackRock Institutional Trust Company, National Association | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | NT-NORTHERN TRUST CO. - CHICAGO | | ord 617,815 | 617,815 | subsidiary of BlackRock Inc. |
| BlackRock Institutional Trust Company, National Association | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-SSB NEW YORK INSTITUTIONAL | | ord 1,681,003 | 1,681,003 | subsidiary of BlackRock Inc. |
| BlackRock Institutional Trust Company, National Association | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-STATE STREET SACRAMENTO | | ord 10,377,041 | 10,377,041 | subsidiary of BlackRock Inc. |
| BlackRock Institutional Trust Company, National Association | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | UBS- UBS- ZURICH | | ord 771,013 | 771,013 | subsidiary of BlackRock Inc. |
| BlackRock International Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | JPM-JP MORGAN CHASE - NEW YORK | | ord 2,690,068 | 2,690,068 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (Australia) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK | | ord 8,192 | 8,192 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (Australia) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | HSBC-HSBC SYDNEY | | ord 1,094,328 | 1,094,328 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (Australia) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | JPM-JPM CHASE - SYDNEY | | ord 6,727,641 | 6,727,641 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (Australia) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE | | ord 6,829,649 | 6,829,649 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (Australia) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | Northern Trust Singapore | | ord 1,148,078 | 1,148,078 | subsidiary of BlackRock Inc. |

| Holder of Relevant Interests Name and ACN / ARSN (if applicable) | Nature of Relevant Interest | Registered Holder of Securities | Person entitled to be registered as holder | Class and number of Securities | Person's votes | Nature of Association |
|---|---|--|---|---------------------------------------|-----------------------|------------------------------|
| BlackRock Investment Management (Australia) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | UBS- UBS- ZURICH | | ord 1,478,491 | 1,478,491 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BNYM-BANK OF NY BRUS | | ord 18,224 | 18,224 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BNYM-BONY EUROPE - LONDON | | ord 513,873 | 513,873 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BNYM-BONY LUXEMBOURG | | ord 241,881 | 241,881 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | CITI-CITIBANK, LONDON | | ord 630,026 | 630,026 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | HSBC-HSBC - LONDON | | ord 247,298 | 247,298 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | JPM-JPM CHASE - LONDON | | ord 235,348 | 235,348 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | NT-NORTHERN TRUST UK | | ord 619,421 | 619,421 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-STATE STREET BANK LUXEMBOURG | | ord 174,306 | 174,306 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (UK) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-State Street Bank S.p.A | | ord 595,372 | 595,372 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management, LLC | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | BNYM-THE BANK OF NEW YORK | | ord 448,672 | 448,672 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management, LLC | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | JPM-JP MORGAN CHASE - NEW YORK | | ord 97,156 | 97,156 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management, LLC | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | JPM-JPM CHASE - LONDON | | ord 358,803 | 358,803 | subsidiary of BlackRock Inc. |

| Holder of Relevant Interests Name and ACN / ARSN (if applicable) | Nature of Relevant Interest | Registered Holder of Securities | Person entitled to be registered as holder | Class and number of Securities | Person's votes | Nature of Association |
|---|---|---|---|---------------------------------------|-----------------------|------------------------------|
| BlackRock Investment Management, LLC | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | SSB-STATE STREET BANK LUXEMBOURG | | ord 848,367 | 848,367 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management, LLC | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | UNION BANK | | ord 36,176 | 36,176 | subsidiary of BlackRock Inc. |
| BlackRock Japan Co., Ltd. | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | JPM-JP MORGAN CHASE - NEW YORK | | ord 668,148 | 668,148 | subsidiary of BlackRock Inc. |
| BlackRock Japan Co., Ltd. | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | JPM-JPM CHASE - LONDON | | ord 3,204,375 | 3,204,375 | subsidiary of BlackRock Inc. |
| BlackRock Japan Co., Ltd. | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee. | MITSUI-SUMITOMO TRUST | | ord 393,694 | 393,694 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (Australia) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager. | CITI-Citigroup Australia - SYDNEY | | ord 214,437 | 214,437 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (Australia) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager. | JPM-JPM CHASE - SYDNEY | | ord 1,621,832 | 1,621,832 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (Australia) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager. | NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE | | ord 1,496,005 | 1,496,005 | subsidiary of BlackRock Inc. |
| BlackRock Investment Management (Australia) Limited | Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity. | JPM-JPM CHASE - SYDNEY | | ord 5,097,776 | 5,097,776 | subsidiary of BlackRock Inc. |

This is Annexure B of 15 pages referred to in form 603 Notice of initial substantial shareholder

12-Mar-18

Kayla Mulvihill,
Authorised Signatory

Date

5. Consideration

| QANTAS AIRWAYS LTD (QAN) | | | | | | | | | |
|---|---|-----|---------------|---------------------|-----|---|-------------------------|---------|--|
| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | | |
| | | | Cash | Non-cash | CCY | | | | |
| BlackRock Japan Co., Ltd. | 09-Nov-17 | yes | 6.02 | on mkt buy | AUD | ord | 37,920 | 37,920 | |
| BlackRock Advisors (UK) Limited | 09-Nov-17 | yes | 6.02 | on mkt buy | AUD | ord | 1,444 | 1,444 | |
| BlackRock Japan Co., Ltd. | 09-Nov-17 | no | n/a | collateral transfer | AUD | ord | 16,923 | 16,923 | |
| BlackRock Advisors (UK) Limited | 10-Nov-17 | yes | 5.92 | on mkt buy | AUD | ord | 1,143 | 1,143 | |
| BlackRock Fund Advisors | 10-Nov-17 | no | n/a | in specie | AUD | ord | 1,622 | 1,622 | |
| BlackRock Investment Management (UK) Limited | 10-Nov-17 | no | n/a | in specie | AUD | ord | 3,028 | 3,028 | |
| BlackRock Advisors, LLC | 10-Nov-17 | no | n/a | collateral transfer | AUD | ord | 1,760 | 1,760 | |
| BlackRock Japan Co., Ltd. | 10-Nov-17 | no | n/a | collateral transfer | AUD | ord | 9,035 | 9,035 | |
| BlackRock Financial Management, Inc. | 10-Nov-17 | no | n/a | collateral transfer | AUD | ord | 10,946 | 10,946 | |
| BlackRock Investment Management, LLC | 10-Nov-17 | no | n/a | collateral transfer | AUD | ord | 227,909 | 227,909 | |
| BlackRock Investment Management (UK) Limited | 10-Nov-17 | no | n/a | collateral transfer | AUD | ord | 471,273 | 471,273 | |
| BlackRock Asset Management North Asia Limited | 10-Nov-17 | no | n/a | collateral transfer | AUD | ord | 121,356 | 121,356 | |
| BlackRock Advisors (UK) Limited | 13-Nov-17 | yes | 5.93 | on mkt buy | AUD | ord | 11,661 | 11,661 | |
| BlackRock Advisors, LLC | 13-Nov-17 | no | n/a | collateral transfer | AUD | ord | 420 | 420 | |
| BlackRock Japan Co., Ltd. | 13-Nov-17 | no | n/a | collateral transfer | AUD | ord | 2,191 | 2,191 | |
| BlackRock Advisors (UK) Limited | 13-Nov-17 | no | n/a | collateral transfer | AUD | ord | 243,351 | 243,351 | |
| BlackRock Financial Management, Inc. | 13-Nov-17 | no | n/a | collateral transfer | AUD | ord | 3,938 | 3,938 | |
| BlackRock Investment Management, LLC | 13-Nov-17 | no | n/a | collateral transfer | AUD | ord | 52,918 | 52,918 | |
| BlackRock Asset Management North Asia Limited | 13-Nov-17 | no | n/a | collateral transfer | AUD | ord | 29,895 | 29,895 | |
| BlackRock Investment Management (Australia) Limited | 14-Nov-17 | yes | 5.76 | on mkt buy | AUD | ord | 25,685 | 25,685 | |
| BlackRock Investment Management (Australia) Limited | 14-Nov-17 | yes | 5.76 | on mkt buy | AUD | ord | 1,673 | 1,673 | |
| BlackRock Investment Management (Australia) Limited | 14-Nov-17 | yes | 5.75 | on mkt buy | AUD | ord | 17,442 | 17,442 | |
| BlackRock Fund Advisors | 14-Nov-17 | no | n/a | in specie | AUD | ord | 2,175 | 2,175 | |
| BlackRock Advisors, LLC | 14-Nov-17 | no | n/a | collateral transfer | AUD | ord | 112 | 112 | |
| BlackRock Japan Co., Ltd. | 14-Nov-17 | no | n/a | collateral transfer | AUD | ord | 70,639 | 70,639 | |
| BlackRock Financial Management, Inc. | 14-Nov-17 | no | n/a | collateral transfer | AUD | ord | 28 | 28 | |
| BlackRock Investment Management (UK) Limited | 14-Nov-17 | no | n/a | collateral transfer | AUD | ord | 10,613 | 10,613 | |
| BlackRock Asset Management North Asia Limited | 14-Nov-17 | no | n/a | collateral transfer | AUD | ord | 6,462 | 6,462 | |
| BlackRock Investment Management (Australia) Limited | 15-Nov-17 | yes | 5.90 | on mkt buy | AUD | ord | 6,734 | 6,734 | |
| BlackRock Investment Management (Australia) Limited | 15-Nov-17 | yes | 5.90 | on mkt buy | AUD | ord | 13,091 | 13,091 | |
| BlackRock Investment Management (Australia) Limited | 15-Nov-17 | yes | 5.90 | on mkt buy | AUD | ord | 2,076 | 2,076 | |
| BlackRock Investment Management (Australia) Limited | 15-Nov-17 | yes | 5.90 | on mkt buy | AUD | ord | 15,400 | 15,400 | |
| BlackRock Investment Management (Australia) Limited | 15-Nov-17 | yes | 5.90 | on mkt buy | AUD | ord | 58,605 | 58,605 | |
| BlackRock Investment Management (Australia) Limited | 15-Nov-17 | yes | 5.90 | on mkt buy | AUD | ord | 2,251 | 2,251 | |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|--|-----|---------------|---------------------|-----|--|-------------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Investment Management (Australia) Limited | 15-Nov-17 | yes | 5.90 | on mkt buy | AUD | ord | 10,800 | 10,800 |
| BlackRock Investment Management (Australia) Limited | 15-Nov-17 | yes | 5.91 | on mkt buy | AUD | ord | 14,875 | 14,875 |
| BlackRock Fund Advisors | 15-Nov-17 | no | n/a | in specie | AUD | ord | 5,655 | 5,655 |
| BlackRock Advisors, LLC | 15-Nov-17 | no | n/a | collateral transfer | AUD | ord | 95 | 95 |
| BlackRock Japan Co., Ltd. | 15-Nov-17 | no | n/a | collateral transfer | AUD | ord | 103 | 103 |
| BlackRock Financial Management, Inc. | 15-Nov-17 | no | n/a | collateral transfer | AUD | ord | 498 | 498 |
| BlackRock Investment Management (UK) Limited | 15-Nov-17 | no | n/a | collateral transfer | AUD | ord | 777 | 777 |
| BlackRock Asset Management North Asia Limited | 15-Nov-17 | no | n/a | collateral transfer | AUD | ord | 3,201 | 3,201 |
| BlackRock Institutional Trust Company, National Association | 16-Nov-17 | yes | 5.93 | on mkt buy | AUD | ord | 3,887 | 3,887 |
| BlackRock Investment Management (Australia) Limited | 16-Nov-17 | yes | 5.94 | on mkt buy | AUD | ord | 609 | 609 |
| BlackRock Investment Management, LLC | 16-Nov-17 | yes | 5.93 | on mkt buy | AUD | ord | 2,614 | 2,614 |
| BlackRock Institutional Trust Company, National Association | 16-Nov-17 | yes | 5.93 | on mkt buy | AUD | ord | 57,235 | 57,235 |
| BlackRock Institutional Trust Company, National Association | 16-Nov-17 | yes | 5.93 | on mkt buy | AUD | ord | 4,233 | 4,233 |
| BlackRock Advisors (UK) Limited | 16-Nov-17 | yes | 5.89 | on mkt buy | AUD | ord | 241 | 241 |
| BlackRock Fund Advisors | 16-Nov-17 | no | n/a | in specie | AUD | ord | 12,180 | 12,180 |
| BlackRock Fund Advisors | 16-Nov-17 | no | n/a | in specie | AUD | ord | 2,175 | 2,175 |
| BlackRock Fund Advisors | 16-Nov-17 | no | n/a | in specie | AUD | ord | 14,856 | 14,856 |
| BlackRock Japan Co., Ltd. | 16-Nov-17 | no | n/a | collateral transfer | AUD | ord | 1,195,256 | 1,195,256 |
| BlackRock Investment Management, LLC | 16-Nov-17 | no | n/a | collateral transfer | AUD | ord | 9,159 | 9,159 |
| BlackRock Asset Management North Asia Limited | 16-Nov-17 | no | n/a | collateral transfer | AUD | ord | 1,580 | 1,580 |
| BlackRock Advisors (UK) Limited | 17-Nov-17 | yes | 5.84 | on mkt buy | AUD | ord | 221 | 221 |
| BlackRock Fund Advisors | 17-Nov-17 | no | n/a | in specie | AUD | ord | 1,932 | 1,932 |
| BlackRock Asset Management North Asia Limited | 17-Nov-17 | no | n/a | collateral transfer | AUD | ord | 43,158 | 43,158 |
| BlackRock Investment Management, LLC | 20-Nov-17 | yes | 5.78 | on mkt buy | AUD | ord | 7,075 | 7,075 |
| BlackRock Advisors, LLC | 20-Nov-17 | no | n/a | collateral transfer | AUD | ord | 15 | 15 |
| BlackRock Japan Co., Ltd. | 20-Nov-17 | no | n/a | collateral transfer | AUD | ord | 8,871 | 8,871 |
| BlackRock Financial Management, Inc. | 20-Nov-17 | no | n/a | collateral transfer | AUD | ord | 227 | 227 |
| BlackRock Investment Management (UK) Limited | 20-Nov-17 | no | n/a | collateral transfer | AUD | ord | 10,100 | 10,100 |
| BlackRock Asset Management North Asia Limited | 20-Nov-17 | no | n/a | collateral transfer | AUD | ord | 4,369 | 4,369 |
| BlackRock Investment Management (Australia) Limited | 21-Nov-17 | yes | 5.77 | on mkt buy | AUD | ord | 48,415 | 48,415 |
| BlackRock Investment Management (Australia) Limited | 21-Nov-17 | yes | 5.77 | on mkt buy | AUD | ord | 4,337 | 4,337 |
| BlackRock Advisors (UK) Limited | 21-Nov-17 | yes | 5.77 | on mkt buy | AUD | ord | 1,145 | 1,145 |
| BlackRock Fund Advisors | 21-Nov-17 | no | n/a | in specie | AUD | ord | 1,622 | 1,622 |
| BlackRock Fund Advisors | 21-Nov-17 | no | n/a | in specie | AUD | ord | 3,880 | 3,880 |
| BlackRock Advisors, LLC | 21-Nov-17 | no | n/a | collateral transfer | AUD | ord | 1,893 | 1,893 |
| BlackRock Financial Management, Inc. | 21-Nov-17 | no | n/a | collateral transfer | AUD | ord | 546 | 546 |
| BlackRock Investment Management, LLC | 21-Nov-17 | no | n/a | collateral transfer | AUD | ord | 12,754 | 12,754 |
| BlackRock Investment Management (UK) Limited | 21-Nov-17 | no | n/a | collateral transfer | AUD | ord | 4,897 | 4,897 |
| BlackRock Institutional Trust Company, National Association | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 3,555 | 3,555 |
| BlackRock Investment Management, LLC | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 5,628 | 5,628 |
| BlackRock Institutional Trust Company, National Association | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 8,305 | 8,305 |
| BlackRock Advisors (UK) Limited | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 11,026 | 11,026 |
| BlackRock Japan Co., Ltd. | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 10,797 | 10,797 |
| BlackRock Japan Co., Ltd. | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 9,103 | 9,103 |
| BlackRock Japan Co., Ltd. | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 6,108 | 6,108 |
| BlackRock Japan Co., Ltd. | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 3,841 | 3,841 |
| BlackRock Advisors, LLC | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 8,398 | 8,398 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|--|-----|---------------|---------------------|-----|--|-------------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Asset Management Canada Limited | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 3,927 | 3,927 |
| BlackRock Investment Management, LLC | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 2,759 | 2,759 |
| BlackRock International Limited | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 12,576 | 12,576 |
| BlackRock Institutional Trust Company, National Association | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 53,683 | 53,683 |
| BlackRock Institutional Trust Company, National Association | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 3,694 | 3,694 |
| BlackRock Investment Management (UK) Limited | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 5,995 | 5,995 |
| BlackRock Advisors (UK) Limited | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 7,086 | 7,086 |
| BlackRock Advisors (UK) Limited | 22-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 5,585 | 5,585 |
| BlackRock Investment Management (Australia) Limited | 22-Nov-17 | yes | 5.70 | on mkt buy | AUD | ord | 6,785 | 6,785 |
| BlackRock Fund Advisors | 22-Nov-17 | no | n/a | in specie | AUD | ord | 7,160 | 7,160 |
| BlackRock Fund Advisors | 22-Nov-17 | no | n/a | in specie | AUD | ord | 2,250 | 2,250 |
| BlackRock Japan Co., Ltd. | 23-Nov-17 | no | n/a | collateral transfer | AUD | ord | 531,391 | 531,391 |
| BlackRock Advisors (UK) Limited | 24-Nov-17 | yes | 5.57 | on mkt buy | AUD | ord | 1,580 | 1,580 |
| BlackRock Advisors (UK) Limited | 24-Nov-17 | yes | 5.57 | on mkt buy | AUD | ord | 422 | 422 |
| BlackRock Investment Management (UK) Limited | 24-Nov-17 | no | n/a | in specie | AUD | ord | 12,279 | 12,279 |
| BlackRock Investment Management (UK) Limited | 24-Nov-17 | no | n/a | in specie | AUD | ord | 11,472 | 11,472 |
| BlackRock Japan Co., Ltd. | 24-Nov-17 | no | n/a | collateral transfer | AUD | ord | 677,659 | 677,659 |
| BlackRock Investment Management (Australia) Limited | 27-Nov-17 | yes | 5.60 | on mkt buy | AUD | ord | 212,500 | 212,500 |
| BlackRock Advisors (UK) Limited | 27-Nov-17 | yes | 5.60 | on mkt buy | AUD | ord | 5,490 | 5,490 |
| BlackRock Japan Co., Ltd. | 27-Nov-17 | no | n/a | collateral transfer | AUD | ord | 1,319,443 | 1,319,443 |
| BlackRock Investment Management (Australia) Limited | 28-Nov-17 | yes | 5.61 | on mkt buy | AUD | ord | 10,449 | 10,449 |
| BlackRock Investment Management (Australia) Limited | 28-Nov-17 | yes | 5.61 | on mkt buy | AUD | ord | 1,365 | 1,365 |
| BlackRock Investment Management (Australia) Limited | 28-Nov-17 | yes | 5.62 | on mkt buy | AUD | ord | 229,500 | 229,500 |
| BlackRock Advisors (UK) Limited | 28-Nov-17 | yes | 5.62 | on mkt buy | AUD | ord | 228 | 228 |
| BlackRock Investment Management (Australia) Limited | 28-Nov-17 | yes | 5.62 | on mkt buy | AUD | ord | 17,836 | 17,836 |
| BlackRock Fund Advisors | 28-Nov-17 | yes | 5.62 | on mkt buy | AUD | ord | 909 | 909 |
| BlackRock Fund Advisors | 28-Nov-17 | yes | 5.62 | on mkt buy | AUD | ord | 11,354 | 11,354 |
| BlackRock Fund Advisors | 28-Nov-17 | yes | 5.62 | on mkt buy | AUD | ord | 1,108 | 1,108 |
| BlackRock Investment Management (Australia) Limited | 29-Nov-17 | yes | 5.65 | on mkt buy | AUD | ord | 6,688 | 6,688 |
| BlackRock Investment Management (Australia) Limited | 29-Nov-17 | yes | 5.65 | on mkt buy | AUD | ord | 22,239 | 22,239 |
| BlackRock Investment Management (Australia) Limited | 29-Nov-17 | yes | 5.65 | on mkt buy | AUD | ord | 3,380 | 3,380 |
| BlackRock Investment Management (Australia) Limited | 29-Nov-17 | yes | 5.65 | on mkt buy | AUD | ord | 25,194 | 25,194 |
| BlackRock Investment Management (Australia) Limited | 29-Nov-17 | yes | 5.65 | on mkt buy | AUD | ord | 2,392 | 2,392 |
| BlackRock Investment Management (Australia) Limited | 29-Nov-17 | yes | 5.65 | on mkt buy | AUD | ord | 10,584 | 10,584 |
| BlackRock Investment Management (Australia) Limited | 29-Nov-17 | yes | 5.65 | on mkt buy | AUD | ord | 89,250 | 89,250 |
| BlackRock Fund Advisors | 29-Nov-17 | no | n/a | in specie | AUD | ord | 1,610 | 1,610 |
| BlackRock Fund Advisors | 29-Nov-17 | no | n/a | in specie | AUD | ord | 1,662 | 1,662 |
| BlackRock Japan Co., Ltd. | 29-Nov-17 | no | n/a | collateral transfer | AUD | ord | 1,590,192 | 1,590,192 |
| BlackRock Advisors (UK) Limited | 29-Nov-17 | no | n/a | collateral transfer | AUD | ord | 91,877 | 91,877 |
| BlackRock Investment Management, LLC | 29-Nov-17 | no | n/a | collateral transfer | AUD | ord | 1,089 | 1,089 |
| BlackRock Investment Management (UK) Limited | 29-Nov-17 | no | n/a | collateral transfer | AUD | ord | 370,923 | 370,923 |
| BlackRock Asset Management North Asia Limited | 29-Nov-17 | no | n/a | collateral transfer | AUD | ord | 2,988 | 2,988 |
| BlackRock Institutional Trust Company, National Association | 30-Nov-17 | yes | 5.71 | on mkt buy | AUD | ord | 27,655 | 27,655 |
| BlackRock International Limited | 30-Nov-17 | yes | 5.73 | on mkt buy | AUD | ord | 7,807 | 7,807 |
| BlackRock Investment Management (UK) Limited | 30-Nov-17 | no | n/a | collateral transfer | AUD | ord | 28 | 28 |
| BlackRock Investment Management, LLC | 01-Dec-17 | no | n/a | collateral transfer | AUD | ord | 9 | 9 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|---|-----|---------------|---------------------|-----|---|-------------------------|--------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Investment Management (UK) Limited | 01-Dec-17 | no | n/a | collateral transfer | AUD | ord | 10 | 10 |
| BlackRock Institutional Trust Company, National Association | 04-Dec-17 | yes | 5.62 | on mkt buy | AUD | ord | 5,365 | 5,365 |
| BlackRock Investment Management (Australia) Limited | 04-Dec-17 | yes | 5.62 | on mkt buy | AUD | ord | 54,411 | 54,411 |
| BlackRock Japan Co., Ltd. | 04-Dec-17 | no | n/a | collateral transfer | AUD | ord | 9 | 9 |
| BlackRock Investment Management, LLC | 04-Dec-17 | no | n/a | collateral transfer | AUD | ord | 11 | 11 |
| BlackRock Asset Management North Asia Limited | 04-Dec-17 | no | n/a | collateral transfer | AUD | ord | 35 | 35 |
| BlackRock Japan Co., Ltd. | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 23,017 | 23,017 |
| BlackRock Institutional Trust Company, National Association | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 6,280 | 6,280 |
| BlackRock Investment Management, LLC | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 11,061 | 11,061 |
| BlackRock Investment Management (UK) Limited | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 2,620 | 2,620 |
| BlackRock Institutional Trust Company, National Association | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 2,343 | 2,343 |
| BlackRock Advisors (UK) Limited | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 17,751 | 17,751 |
| BlackRock Advisors (UK) Limited | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 2,442 | 2,442 |
| BlackRock Japan Co., Ltd. | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 11,088 | 11,088 |
| BlackRock Japan Co., Ltd. | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 6,564 | 6,564 |
| BlackRock Japan Co., Ltd. | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 3,988 | 3,988 |
| BlackRock Financial Management, Inc. | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 2,343 | 2,343 |
| BlackRock Asset Management Canada Limited | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 7,189 | 7,189 |
| BlackRock Investment Management, LLC | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 3,752 | 3,752 |
| BlackRock Investment Management (UK) Limited | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 2,435 | 2,435 |
| BlackRock Institutional Trust Company, National Association | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 99,506 | 99,506 |
| BlackRock Institutional Trust Company, National Association | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 5,885 | 5,885 |
| BlackRock Investment Management (UK) Limited | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 8,977 | 8,977 |
| BlackRock Advisors (UK) Limited | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 14,970 | 14,970 |
| BlackRock Advisors (UK) Limited | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 11,299 | 11,299 |
| BlackRock Financial Management, Inc. | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 4,910 | 4,910 |
| BlackRock Institutional Trust Company, National Association | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 12,580 | 12,580 |
| BlackRock International Limited | 05-Dec-17 | yes | 5.51 | on mkt buy | AUD | ord | 28,343 | 28,343 |
| BlackRock Investment Management, LLC | 05-Dec-17 | no | n/a | collateral transfer | AUD | ord | 12 | 12 |
| BlackRock Asset Management North Asia Limited | 05-Dec-17 | no | n/a | collateral transfer | AUD | ord | 92 | 92 |
| BlackRock Investment Management (Australia) Limited | 06-Dec-17 | yes | 5.37 | on mkt buy | AUD | ord | 6,404 | 6,404 |
| BlackRock Investment Management (Australia) Limited | 06-Dec-17 | yes | 5.37 | on mkt buy | AUD | ord | 8,087 | 8,087 |
| BlackRock Investment Management (Australia) Limited | 06-Dec-17 | yes | 5.37 | on mkt buy | AUD | ord | 3,271 | 3,271 |
| BlackRock Investment Management (Australia) Limited | 06-Dec-17 | yes | 5.37 | on mkt buy | AUD | ord | 20,468 | 20,468 |
| BlackRock Investment Management (Australia) Limited | 06-Dec-17 | yes | 5.37 | on mkt buy | AUD | ord | 54,378 | 54,378 |
| BlackRock Investment Management (Australia) Limited | 06-Dec-17 | yes | 5.37 | on mkt buy | AUD | ord | 2,232 | 2,232 |
| BlackRock Investment Management (Australia) Limited | 06-Dec-17 | yes | 5.37 | on mkt buy | AUD | ord | 9,998 | 9,998 |
| BlackRock Investment Management (Australia) Limited | 06-Dec-17 | yes | 5.35 | on mkt buy | AUD | ord | 12,750 | 12,750 |
| BlackRock Advisors (UK) Limited | 06-Dec-17 | no | n/a | in specie | AUD | ord | 8,057 | 8,057 |
| BlackRock Investment Management, LLC | 06-Dec-17 | no | n/a | collateral transfer | AUD | ord | 3 | 3 |
| BlackRock Investment Management (UK) Limited | 06-Dec-17 | no | n/a | collateral transfer | AUD | ord | 183 | 183 |
| BlackRock Investment Management (Australia) Limited | 07-Dec-17 | yes | 5.38 | on mkt buy | AUD | ord | 16,535 | 16,535 |
| BlackRock Advisors, LLC | 07-Dec-17 | yes | 5.38 | on mkt buy | AUD | ord | 6,875 | 6,875 |
| BlackRock Investment Management (Australia) Limited | 07-Dec-17 | yes | 5.38 | on mkt buy | AUD | ord | 6,903 | 6,903 |
| BlackRock Institutional Trust Company, National Association | 07-Dec-17 | yes | 5.38 | on mkt buy | AUD | ord | 45,045 | 45,045 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|--|--|-----|---------------|------------------------|-----|--|-------------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Japan Co., Ltd. | 07-Dec-17 | no | n/a | collateral transfer | AUD | ord | 24 | 24 |
| BlackRock Advisors (UK) Limited | 07-Dec-17 | no | n/a | collateral transfer | AUD | ord | 317,260 | 317,260 |
| BlackRock Investment Management, LLC | 07-Dec-17 | no | n/a | collateral transfer | AUD | ord | 26 | 26 |
| BlackRock Investment Management (UK) Limited | 07-Dec-17 | no | n/a | collateral transfer | AUD | ord | 6 | 6 |
| BlackRock Investment Management (Australia) Limited | 08-Dec-17 | yes | 5.34 | on mkt buy | AUD | ord | 17,256 | 17,256 |
| BlackRock Advisors, LLC | 08-Dec-17 | yes | 5.34 | on mkt buy | AUD | ord | 10,388 | 10,388 |
| BlackRock Investment Management (UK) Limited | 08-Dec-17 | no | n/a | in specie | AUD | ord | 3,647 | 3,647 |
| BlackRock Investment Management (UK) Limited | 08-Dec-17 | no | n/a | in specie | AUD | ord | 13,355 | 13,355 |
| BlackRock Japan Co., Ltd. | 08-Dec-17 | no | n/a | collateral transfer | AUD | ord | 1,101,768 | 1,101,768 |
| BlackRock Advisors (UK) Limited | 08-Dec-17 | no | n/a | collateral transfer | AUD | ord | 898,270 | 898,270 |
| BlackRock Investment Management (UK) Limited | 08-Dec-17 | no | n/a | collateral transfer | AUD | ord | 156 | 156 |
| BlackRock Investment Management, LLC | 11-Dec-17 | yes | 5.40 | on mkt buy | AUD | ord | 2,879 | 2,879 |
| BlackRock Japan Co., Ltd. | 11-Dec-17 | yes | 5.30 | on mkt buy | AUD | ord | 13,925 | 13,925 |
| BlackRock Investment Management (UK) Limited | 11-Dec-17 | no | n/a | collateral transfer | AUD | ord | 132 | 132 |
| BlackRock Institutional Trust Company, National Association | 12-Dec-17 | yes | 5.31 | on mkt buy | AUD | ord | 9,427 | 9,427 |
| BlackRock Japan Co., Ltd. | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 15,217 | 15,217 |
| BlackRock International Limited | 12-Dec-17 | yes | 5.31 | on mkt buy | AUD | ord | 20,434 | 20,434 |
| BlackRock Institutional Trust Company, National Association | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 3,970 | 3,970 |
| BlackRock Investment Management, LLC | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 7,640 | 7,640 |
| BlackRock Advisors (UK) Limited | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 12,795 | 12,795 |
| BlackRock Advisors (UK) Limited | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 3,031 | 3,031 |
| BlackRock Investment Management (Australia) Limited | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 13,314 | 13,314 |
| BlackRock Japan Co., Ltd. | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 8,728 | 8,728 |
| BlackRock Japan Co., Ltd. | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 4,658 | 4,658 |
| BlackRock Advisors, LLC | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 4,895 | 4,895 |
| BlackRock Investment Management (Australia) Limited | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 1,230 | 1,230 |
| BlackRock Asset Management Canada Limited | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 4,557 | 4,557 |
| BlackRock Investment Management, LLC | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 2,512 | 2,512 |
| BlackRock Institutional Trust Company, National Association | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 91,733 | 91,733 |
| BlackRock Institutional Trust Company, National Association | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 4,914 | 4,914 |
| BlackRock Investment Management (UK) Limited | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 5,526 | 5,526 |
| BlackRock Advisors (UK) Limited | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 9,812 | 9,812 |
| BlackRock Advisors (UK) Limited | 12-Dec-17 | yes | 5.32 | on mkt buy | AUD | ord | 6,732 | 6,732 |
| BlackRock Japan Co., Ltd. | 12-Dec-17 | no | n/a | collateral transfer | AUD | ord | 3 | 3 |
| BlackRock Investment Management, LLC | 12-Dec-17 | no | n/a | collateral transfer | AUD | ord | 76 | 76 |
| BlackRock Asset Management North Asia Limited | 12-Dec-17 | no | n/a | collateral transfer | AUD | ord | 555 | 555 |
| BlackRock Investment Management (Australia) Limited | 13-Dec-17 | yes | 5.29 | on mkt buy | AUD | ord | 14,583 | 14,583 |
| BlackRock Investment Management (Australia) Limited | 13-Dec-17 | yes | 5.29 | on mkt buy | AUD | ord | 46,234 | 46,234 |
| BlackRock Investment Management (Australia) Limited | 13-Dec-17 | yes | 5.29 | on mkt buy | AUD | ord | 7,127 | 7,127 |
| BlackRock Investment Management (Australia) Limited | 13-Dec-17 | yes | 5.29 | on mkt buy | AUD | ord | 50,908 | 50,908 |
| BlackRock Investment Management (Australia) Limited | 13-Dec-17 | yes | 5.29 | on mkt buy | AUD | ord | 93,314 | 93,314 |
| BlackRock Investment Management (Australia) Limited | 13-Dec-17 | yes | 5.29 | on mkt buy | AUD | ord | 5,102 | 5,102 |
| BlackRock Investment Management (Australia) Limited | 13-Dec-17 | yes | 5.29 | on mkt buy | AUD | ord | 27,691 | 27,691 |
| BlackRock Investment Management, LLC | 13-Dec-17 | yes | 5.36 | on mkt buy | AUD | ord | 12,481 | 12,481 |
| BlackRock Investment Management (Australia) Limited | 13-Dec-17 | yes | 5.36 | on mkt buy | AUD | ord | 5,355 | 5,355 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|---|-----|---------------|---------------------|-----|---|-------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Investment Management (Australia) Limited | 13-Dec-17 | yes | 5.36 | on mkt buy | AUD | ord | 120,063 | 120,063 |
| BlackRock Investment Management (Australia) Limited | 13-Dec-17 | yes | 5.36 | on mkt buy | AUD | ord | 318,043 | 318,043 |
| BlackRock Investment Management, LLC | 13-Dec-17 | no | n/a | collateral transfer | AUD | ord | 6 | 6 |
| BlackRock Asset Management North Asia Limited | 13-Dec-17 | no | n/a | collateral transfer | AUD | ord | 22 | 22 |
| BlackRock Institutional Trust Company, National Association | 14-Dec-17 | yes | 5.23 | on mkt buy | AUD | ord | 49,883 | 49,883 |
| BlackRock Advisors (UK) Limited | 14-Dec-17 | no | n/a | collateral transfer | AUD | ord | 110,000 | 110,000 |
| BlackRock Investment Management (UK) Limited | 14-Dec-17 | no | n/a | collateral transfer | AUD | ord | 92 | 92 |
| BlackRock Advisors, LLC | 15-Dec-17 | yes | 5.18 | on mkt buy | AUD | ord | 436,279 | 436,279 |
| BlackRock Financial Management, Inc. | 15-Dec-17 | no | n/a | collateral transfer | AUD | ord | 1 | 1 |
| BlackRock Investment Management, LLC | 15-Dec-17 | no | n/a | collateral transfer | AUD | ord | 5 | 5 |
| BlackRock Asset Management North Asia Limited | 15-Dec-17 | no | n/a | collateral transfer | AUD | ord | 19 | 19 |
| BlackRock Japan Co., Ltd. | 18-Dec-17 | no | n/a | collateral transfer | AUD | ord | 3 | 3 |
| BlackRock Financial Management, Inc. | 18-Dec-17 | no | n/a | collateral transfer | AUD | ord | 290,366 | 290,366 |
| BlackRock Investment Management, LLC | 18-Dec-17 | no | n/a | collateral transfer | AUD | ord | 1,328,108 | 1,328,108 |
| BlackRock Investment Management (UK) Limited | 18-Dec-17 | no | n/a | collateral transfer | AUD | ord | 3,592 | 3,592 |
| BlackRock Investment Management (Australia) Limited | 19-Dec-17 | yes | 5.20 | on mkt buy | AUD | ord | 1,324 | 1,324 |
| BlackRock Investment Management (Australia) Limited | 19-Dec-17 | yes | 5.20 | on mkt buy | AUD | ord | 29,420 | 29,420 |
| BlackRock Investment Management (Australia) Limited | 19-Dec-17 | yes | 5.20 | on mkt buy | AUD | ord | 3,034 | 3,034 |
| BlackRock Investment Management (Australia) Limited | 19-Dec-17 | yes | 5.20 | on mkt buy | AUD | ord | 595 | 595 |
| BlackRock Institutional Trust Company, National Association | 19-Dec-17 | yes | 5.20 | on mkt buy | AUD | ord | 5,466 | 5,466 |
| BlackRock Investment Management (Australia) Limited | 19-Dec-17 | yes | 5.19 | on mkt buy | AUD | ord | 7,478 | 7,478 |
| BlackRock Investment Management (Australia) Limited | 19-Dec-17 | yes | 5.19 | on mkt buy | AUD | ord | 1,467 | 1,467 |
| BlackRock Institutional Trust Company, National Association | 19-Dec-17 | yes | 5.19 | on mkt buy | AUD | ord | 22,960 | 22,960 |
| BlackRock Advisors (UK) Limited | 19-Dec-17 | no | n/a | collateral transfer | AUD | ord | 342,128 | 342,128 |
| BlackRock Financial Management, Inc. | 19-Dec-17 | no | n/a | collateral transfer | AUD | ord | 68,173 | 68,173 |
| BlackRock Investment Management, LLC | 19-Dec-17 | no | n/a | collateral transfer | AUD | ord | 308,932 | 308,932 |
| BlackRock Investment Management (UK) Limited | 19-Dec-17 | no | n/a | collateral transfer | AUD | ord | 1,096 | 1,096 |
| BlackRock Investment Management (Australia) Limited | 20-Dec-17 | yes | 5.26 | on mkt buy | AUD | ord | 4,528 | 4,528 |
| BlackRock Investment Management (Australia) Limited | 20-Dec-17 | yes | 5.26 | on mkt buy | AUD | ord | 12,880 | 12,880 |
| BlackRock Investment Management (Australia) Limited | 20-Dec-17 | yes | 5.26 | on mkt buy | AUD | ord | 2,076 | 2,076 |
| BlackRock Investment Management (Australia) Limited | 20-Dec-17 | yes | 5.26 | on mkt buy | AUD | ord | 19,623 | 19,623 |
| BlackRock Investment Management (Australia) Limited | 20-Dec-17 | yes | 5.26 | on mkt buy | AUD | ord | 2,300 | 2,300 |
| BlackRock Investment Management (Australia) Limited | 20-Dec-17 | yes | 5.27 | on mkt buy | AUD | ord | 5,782 | 5,782 |
| BlackRock Investment Management (Australia) Limited | 20-Dec-17 | yes | 5.27 | on mkt buy | AUD | ord | 11,941 | 11,941 |
| BlackRock Fund Advisors | 20-Dec-17 | no | n/a | in specie | AUD | ord | 5,607 | 5,607 |
| BlackRock Investment Management, LLC | 20-Dec-17 | no | n/a | collateral transfer | AUD | ord | 2,773 | 2,773 |
| BlackRock Investment Management (UK) Limited | 20-Dec-17 | no | n/a | collateral transfer | AUD | ord | 553 | 553 |
| BlackRock Japan Co., Ltd. | 21-Dec-17 | no | n/a | collateral transfer | AUD | ord | 1 | 1 |
| BlackRock Advisors (UK) Limited | 21-Dec-17 | no | n/a | collateral transfer | AUD | ord | 2 | 2 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|---|-----|---------------|---------------------|-----|---|-------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Asset Management North Asia Limited | 21-Dec-17 | no | n/a | collateral transfer | AUD | ord | 23 | 23 |
| BlackRock Japan Co., Ltd. | 22-Dec-17 | no | n/a | collateral transfer | AUD | ord | 8 | 8 |
| BlackRock Investment Management (UK) Limited | 22-Dec-17 | no | n/a | collateral transfer | AUD | ord | 597 | 597 |
| BlackRock Japan Co., Ltd. | 26-Dec-17 | no | n/a | collateral transfer | AUD | ord | 3,251,185 | 3,251,185 |
| BlackRock Advisors (UK) Limited | 26-Dec-17 | no | n/a | collateral transfer | AUD | ord | 1,207,127 | 1,207,127 |
| BlackRock Investment Management, LLC | 26-Dec-17 | no | n/a | collateral transfer | AUD | ord | 1,077 | 1,077 |
| BlackRock Investment Management (UK) Limited | 26-Dec-17 | no | n/a | collateral transfer | AUD | ord | 372,075 | 372,075 |
| BlackRock Asset Management North Asia Limited | 26-Dec-17 | no | n/a | collateral transfer | AUD | ord | 1,848 | 1,848 |
| BlackRock Investment Management (Australia) Limited | 27-Dec-17 | yes | 5.06 | on mkt buy | AUD | ord | 9,468 | 9,468 |
| BlackRock Fund Advisors | 27-Dec-17 | no | n/a | in specie | AUD | ord | 1,869 | 1,869 |
| BlackRock Japan Co., Ltd. | 27-Dec-17 | no | n/a | collateral transfer | AUD | ord | 13 | 13 |
| BlackRock Advisors (UK) Limited | 27-Dec-17 | no | n/a | collateral transfer | AUD | ord | 1,993,611 | 1,993,611 |
| BlackRock Investment Management (UK) Limited | 27-Dec-17 | no | n/a | collateral transfer | AUD | ord | 4 | 4 |
| BlackRock Asset Management North Asia Limited | 27-Dec-17 | no | n/a | collateral transfer | AUD | ord | 3 | 3 |
| BlackRock Investment Management (Australia) Limited | 28-Dec-17 | yes | 5.05 | on mkt buy | AUD | ord | 10,540 | 10,540 |
| BlackRock Investment Management (Australia) Limited | 28-Dec-17 | yes | 5.05 | on mkt buy | AUD | ord | 22,269 | 22,269 |
| BlackRock Investment Management (Australia) Limited | 28-Dec-17 | yes | 5.05 | on mkt buy | AUD | ord | 23,853 | 23,853 |
| BlackRock Investment Management (Australia) Limited | 28-Dec-17 | yes | 5.05 | on mkt buy | AUD | ord | 1,646 | 1,646 |
| BlackRock Investment Management (Australia) Limited | 28-Dec-17 | yes | 5.05 | on mkt buy | AUD | ord | 3,805 | 3,805 |
| BlackRock Investment Management (Australia) Limited | 28-Dec-17 | yes | 5.05 | on mkt buy | AUD | ord | 27,580 | 27,580 |
| BlackRock Investment Management (Australia) Limited | 28-Dec-17 | yes | 5.05 | on mkt buy | AUD | ord | 2,668 | 2,668 |
| BlackRock Investment Management (Australia) Limited | 28-Dec-17 | yes | 5.05 | on mkt buy | AUD | ord | 13,335 | 13,335 |
| BlackRock Investment Management (Australia) Limited | 28-Dec-17 | yes | 5.03 | on mkt buy | AUD | ord | 1,521 | 1,521 |
| BlackRock Japan Co., Ltd. | 28-Dec-17 | no | n/a | collateral transfer | AUD | ord | 34 | 34 |
| BlackRock Advisors (UK) Limited | 28-Dec-17 | no | n/a | collateral transfer | AUD | ord | 1,694,116 | 1,694,116 |
| BlackRock Investment Management, LLC | 28-Dec-17 | no | n/a | collateral transfer | AUD | ord | 14 | 14 |
| BlackRock Asset Management North Asia Limited | 28-Dec-17 | no | n/a | collateral transfer | AUD | ord | 60 | 60 |
| BlackRock Japan Co., Ltd. | 29-Dec-17 | no | n/a | collateral transfer | AUD | ord | 27 | 27 |
| BlackRock Investment Management (UK) Limited | 29-Dec-17 | no | n/a | collateral transfer | AUD | ord | 23 | 23 |
| BlackRock Investment Management, LLC | 01-Jan-18 | no | n/a | collateral transfer | AUD | ord | 1 | 1 |
| BlackRock Asset Management North Asia Limited | 01-Jan-18 | no | n/a | collateral transfer | AUD | ord | 1 | 1 |
| BlackRock Investment Management (Australia) Limited | 02-Jan-18 | yes | 5.05 | on mkt buy | AUD | ord | 3,324 | 3,324 |
| BlackRock Advisors (UK) Limited | 02-Jan-18 | no | n/a | collateral transfer | AUD | ord | 320,415 | 320,415 |
| BlackRock Asset Management North Asia Limited | 02-Jan-18 | no | n/a | collateral transfer | AUD | ord | 67 | 67 |
| BlackRock Investment Management (Australia) Limited | 03-Jan-18 | yes | 5.01 | on mkt buy | AUD | ord | 4,574 | 4,574 |
| BlackRock Investment Management (Australia) Limited | 03-Jan-18 | yes | 5.01 | on mkt buy | AUD | ord | 662 | 662 |
| BlackRock Investment Management (Australia) Limited | 03-Jan-18 | yes | 5.01 | on mkt buy | AUD | ord | 595 | 595 |
| BlackRock Advisors (UK) Limited | 03-Jan-18 | no | n/a | collateral transfer | AUD | ord | 3,661,650 | 3,661,650 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|---|-----|---------------|---------------------|-----|---|-------------------------|--------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Investment Management, LLC | 03-Jan-18 | no | n/a | collateral transfer | AUD | ord | 14 | 14 |
| BlackRock Asset Management North Asia Limited | 03-Jan-18 | no | n/a | collateral transfer | AUD | ord | 44 | 44 |
| BlackRock Investment Management (Australia) Limited | 04-Jan-18 | yes | 4.90 | on mkt buy | AUD | ord | 1,630 | 1,630 |
| BlackRock Institutional Trust Company, National Association | 04-Jan-18 | yes | 4.88 | on mkt buy | AUD | ord | 48,690 | 48,690 |
| BlackRock Investment Management (UK) Limited | 04-Jan-18 | yes | 4.88 | on mkt buy | AUD | ord | 3,830 | 3,830 |
| BlackRock Japan Co., Ltd. | 04-Jan-18 | no | n/a | collateral transfer | AUD | ord | 2 | 2 |
| BlackRock Investment Management, LLC | 04-Jan-18 | no | n/a | collateral transfer | AUD | ord | 37 | 37 |
| BlackRock Asset Management North Asia Limited | 04-Jan-18 | no | n/a | collateral transfer | AUD | ord | 50 | 50 |
| BlackRock Fund Advisors | 05-Jan-18 | no | n/a | in specie | AUD | ord | 1,869 | 1,869 |
| BlackRock Investment Management, LLC | 05-Jan-18 | no | n/a | collateral transfer | AUD | ord | 18 | 18 |
| BlackRock Investment Management (UK) Limited | 05-Jan-18 | no | n/a | collateral transfer | AUD | ord | 193 | 193 |
| BlackRock Fund Advisors | 08-Jan-18 | no | n/a | in specie | AUD | ord | 3,738 | 3,738 |
| BlackRock Investment Management, LLC | 08-Jan-18 | no | n/a | collateral transfer | AUD | ord | 42 | 42 |
| BlackRock Asset Management North Asia Limited | 08-Jan-18 | no | n/a | collateral transfer | AUD | ord | 61 | 61 |
| BlackRock Advisors, LLC | 09-Jan-18 | yes | 4.90 | on mkt buy | AUD | ord | 6,683 | 6,683 |
| BlackRock Institutional Trust Company, National Association | 09-Jan-18 | yes | 4.90 | on mkt buy | AUD | ord | 18,468 | 18,468 |
| BlackRock Institutional Trust Company, National Association | 09-Jan-18 | yes | 4.90 | on mkt buy | AUD | ord | 4,315 | 4,315 |
| BlackRock Institutional Trust Company, National Association | 09-Jan-18 | yes | 4.90 | on mkt buy | AUD | ord | 13,209 | 13,209 |
| BlackRock Fund Advisors | 09-Jan-18 | no | n/a | in specie | AUD | ord | 1,869 | 1,869 |
| BlackRock Japan Co., Ltd. | 09-Jan-18 | no | n/a | collateral transfer | AUD | ord | 12 | 12 |
| BlackRock Investment Management, LLC | 09-Jan-18 | no | n/a | collateral transfer | AUD | ord | 8 | 8 |
| BlackRock Investment Management (Australia) Limited | 10-Jan-18 | yes | 4.88 | on mkt buy | AUD | ord | 18,788 | 18,788 |
| BlackRock Investment Management (Australia) Limited | 10-Jan-18 | yes | 4.88 | on mkt buy | AUD | ord | 6,395 | 6,395 |
| BlackRock Investment Management (Australia) Limited | 10-Jan-18 | yes | 4.88 | on mkt buy | AUD | ord | 62,914 | 62,914 |
| BlackRock Investment Management (Australia) Limited | 10-Jan-18 | yes | 4.88 | on mkt buy | AUD | ord | 63,776 | 63,776 |
| BlackRock Investment Management (Australia) Limited | 10-Jan-18 | yes | 4.88 | on mkt buy | AUD | ord | 6,079 | 6,079 |
| BlackRock Investment Management (Australia) Limited | 10-Jan-18 | yes | 4.88 | on mkt buy | AUD | ord | 32,710 | 32,710 |
| BlackRock Investment Management (Australia) Limited | 10-Jan-18 | yes | 4.88 | on mkt buy | AUD | ord | 54,480 | 54,480 |
| BlackRock Japan Co., Ltd. | 10-Jan-18 | no | n/a | collateral transfer | AUD | ord | 56 | 56 |
| BlackRock Investment Management, LLC | 10-Jan-18 | no | n/a | collateral transfer | AUD | ord | 113 | 113 |
| BlackRock Asset Management North Asia Limited | 10-Jan-18 | no | n/a | collateral transfer | AUD | ord | 211 | 211 |
| BlackRock Investment Management (Australia) Limited | 11-Jan-18 | yes | 4.89 | on mkt buy | AUD | ord | 39,894 | 39,894 |
| BlackRock Investment Management (Australia) Limited | 11-Jan-18 | yes | 4.89 | on mkt buy | AUD | ord | 3,656 | 3,656 |
| BlackRock Fund Advisors | 11-Jan-18 | no | n/a | in specie | AUD | ord | 3,738 | 3,738 |
| BlackRock Fund Advisors | 11-Jan-18 | no | n/a | in specie | AUD | ord | 3,738 | 3,738 |
| BlackRock Investment Management, LLC | 11-Jan-18 | no | n/a | collateral transfer | AUD | ord | 47 | 47 |
| BlackRock Asset Management North Asia Limited | 11-Jan-18 | no | n/a | collateral transfer | AUD | ord | 88 | 88 |
| BlackRock Institutional Trust Company, National Association | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 5,434 | 5,434 |
| BlackRock Advisors (UK) Limited | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 9,983 | 9,983 |
| BlackRock Advisors, LLC | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 5,216 | 5,216 |
| BlackRock Asset Management Canada Limited | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 3,896 | 3,896 |
| BlackRock Institutional Trust Company, National Association | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 47,122 | 47,122 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|---|-----|---------------|---------------------|-----|---|-------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Institutional Trust Company, National Association | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 11,679 | 11,679 |
| BlackRock Advisors (UK) Limited | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 10,392 | 10,392 |
| BlackRock Advisors (UK) Limited | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 7,969 | 7,969 |
| BlackRock Institutional Trust Company, National Association | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 41,348 | 41,348 |
| BlackRock Institutional Trust Company, National Association | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 2,036 | 2,036 |
| BlackRock Advisors, LLC | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 3,486 | 3,486 |
| BlackRock Financial Management, Inc. | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 3,254 | 3,254 |
| BlackRock Institutional Trust Company, National Association | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 7,438 | 7,438 |
| BlackRock International Limited | 12-Jan-18 | yes | 5.02 | on mkt buy | AUD | ord | 13,490 | 13,490 |
| BlackRock Japan Co., Ltd. | 12-Jan-18 | no | n/a | collateral transfer | AUD | ord | 13 | 13 |
| BlackRock Investment Management (UK) Limited | 12-Jan-18 | no | n/a | collateral transfer | AUD | ord | 496 | 496 |
| BlackRock Investment Management, LLC | 15-Jan-18 | no | n/a | collateral transfer | AUD | ord | 15 | 15 |
| BlackRock Asset Management North Asia Limited | 15-Jan-18 | no | n/a | collateral transfer | AUD | ord | 8 | 8 |
| BlackRock Investment Management (Australia) Limited | 16-Jan-18 | yes | 5.19 | on mkt buy | AUD | ord | 320,657 | 320,657 |
| BlackRock Investment Management (Australia) Limited | 16-Jan-18 | yes | 5.19 | on mkt buy | AUD | ord | 452,004 | 452,004 |
| BlackRock Investment Management, LLC | 17-Jan-18 | yes | 5.16 | on mkt buy | AUD | ord | 2,777 | 2,777 |
| BlackRock Advisors, LLC | 17-Jan-18 | yes | 5.16 | on mkt buy | AUD | ord | 11,590 | 11,590 |
| BlackRock Institutional Trust Company, National Association | 17-Jan-18 | yes | 5.16 | on mkt buy | AUD | ord | 23,718 | 23,718 |
| BlackRock Institutional Trust Company, National Association | 17-Jan-18 | yes | 5.16 | on mkt buy | AUD | ord | 5,253 | 5,253 |
| BlackRock Institutional Trust Company, National Association | 17-Jan-18 | yes | 5.16 | on mkt buy | AUD | ord | 17,585 | 17,585 |
| BlackRock Financial Management, Inc. | 17-Jan-18 | yes | 5.16 | on mkt buy | AUD | ord | 35,421 | 35,421 |
| BlackRock Fund Advisors | 17-Jan-18 | no | n/a | in specie | AUD | ord | 1,869 | 1,869 |
| BlackRock Advisors (UK) Limited | 17-Jan-18 | no | n/a | collateral transfer | AUD | ord | 419,943 | 419,943 |
| BlackRock Investment Management, LLC | 17-Jan-18 | no | n/a | collateral transfer | AUD | ord | 25 | 25 |
| BlackRock Asset Management North Asia Limited | 17-Jan-18 | no | n/a | collateral transfer | AUD | ord | 54 | 54 |
| BlackRock Financial Management, Inc. | 18-Jan-18 | no | n/a | collateral transfer | AUD | ord | 1 | 1 |
| BlackRock Investment Management (UK) Limited | 18-Jan-18 | no | n/a | collateral transfer | AUD | ord | 36 | 36 |
| BlackRock Investment Management, LLC | 19-Jan-18 | yes | 5.22 | on mkt buy | AUD | ord | 4,706 | 4,706 |
| BlackRock Institutional Trust Company, National Association | 19-Jan-18 | yes | 5.22 | on mkt buy | AUD | ord | 23,788 | 23,788 |
| BlackRock Institutional Trust Company, National Association | 19-Jan-18 | yes | 5.22 | on mkt buy | AUD | ord | 19,755 | 19,755 |
| BlackRock Investment Management, LLC | 19-Jan-18 | no | n/a | collateral transfer | AUD | ord | 5 | 5 |
| BlackRock Japan Co., Ltd. | 22-Jan-18 | no | n/a | collateral transfer | AUD | ord | 55 | 55 |
| BlackRock Advisors (UK) Limited | 22-Jan-18 | no | n/a | collateral transfer | AUD | ord | 691,433 | 691,433 |
| BlackRock Financial Management, Inc. | 22-Jan-18 | no | n/a | collateral transfer | AUD | ord | 458,102 | 458,102 |
| BlackRock Investment Management (UK) Limited | 22-Jan-18 | no | n/a | collateral transfer | AUD | ord | 64,771 | 64,771 |
| BlackRock Advisors, LLC | 23-Jan-18 | yes | 5.26 | on mkt buy | AUD | ord | 8,159 | 8,159 |
| BlackRock Institutional Trust Company, National Association | 23-Jan-18 | yes | 5.26 | on mkt buy | AUD | ord | 24,662 | 24,662 |
| BlackRock Institutional Trust Company, National Association | 23-Jan-18 | yes | 5.26 | on mkt buy | AUD | ord | 20,616 | 20,616 |
| BlackRock Advisors (UK) Limited | 23-Jan-18 | yes | 5.24 | on mkt buy | AUD | ord | 142,214 | 142,214 |
| BlackRock Investment Management, LLC | 23-Jan-18 | no | n/a | collateral transfer | AUD | ord | 6 | 6 |
| BlackRock Financial Management, Inc. | 24-Jan-18 | no | n/a | collateral transfer | AUD | ord | 894 | 894 |
| BlackRock Investment Management, LLC | 24-Jan-18 | no | n/a | collateral transfer | AUD | ord | 502,205 | 502,205 |
| BlackRock Investment Management (UK) Limited | 24-Jan-18 | no | n/a | collateral transfer | AUD | ord | 1,797,824 | 1,797,824 |
| BlackRock Asset Management North Asia Limited | 24-Jan-18 | no | n/a | collateral transfer | AUD | ord | 688,008 | 688,008 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|---|-----|---------------|---------------------|-----|---|-------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Investment Management (Australia) Limited | 25-Jan-18 | yes | 5.24 | on mkt buy | AUD | ord | 1,062,659 | 1,062,659 |
| BlackRock Investment Management (Australia) Limited | 25-Jan-18 | yes | 5.24 | on mkt buy | AUD | ord | 29,054 | 29,054 |
| BlackRock Investment Management (Australia) Limited | 25-Jan-18 | yes | 5.23 | on mkt buy | AUD | ord | 48,670 | 48,670 |
| BlackRock Investment Management (Australia) Limited | 25-Jan-18 | yes | 5.23 | on mkt buy | AUD | ord | 1,330 | 1,330 |
| BlackRock Investment Management (Australia) Limited | 25-Jan-18 | yes | 5.26 | on mkt buy | AUD | ord | 5,178 | 5,178 |
| BlackRock Financial Management, Inc. | 25-Jan-18 | no | n/a | collateral transfer | AUD | ord | 9 | 9 |
| BlackRock Investment Management, LLC | 25-Jan-18 | no | n/a | collateral transfer | AUD | ord | 7,810 | 7,810 |
| BlackRock Financial Management, Inc. | 26-Jan-18 | no | n/a | collateral transfer | AUD | ord | 33 | 33 |
| BlackRock Investment Management (UK) Limited | 26-Jan-18 | no | n/a | collateral transfer | AUD | ord | 36,773 | 36,773 |
| BlackRock Investment Management (Australia) Limited | 29-Jan-18 | yes | 5.26 | on mkt buy | AUD | ord | 793,024 | 793,024 |
| BlackRock Investment Management (Australia) Limited | 29-Jan-18 | yes | 5.26 | on mkt buy | AUD | ord | 21,682 | 21,682 |
| BlackRock Investment Management (Australia) Limited | 29-Jan-18 | yes | 5.27 | on mkt buy | AUD | ord | 350,252 | 350,252 |
| BlackRock Investment Management (Australia) Limited | 29-Jan-18 | yes | 5.27 | on mkt buy | AUD | ord | 9,576 | 9,576 |
| BlackRock Investment Management (UK) Limited | 29-Jan-18 | no | n/a | in specie | AUD | ord | 2,210 | 2,210 |
| BlackRock Advisors (UK) Limited | 29-Jan-18 | no | n/a | collateral transfer | AUD | ord | 343,941 | 343,941 |
| BlackRock Investment Management, LLC | 29-Jan-18 | no | n/a | collateral transfer | AUD | ord | 43,606 | 43,606 |
| BlackRock Investment Management (UK) Limited | 29-Jan-18 | no | n/a | collateral transfer | AUD | ord | 869,474 | 869,474 |
| BlackRock Investment Management (Australia) Limited | 30-Jan-18 | yes | 5.32 | on mkt buy | AUD | ord | 348,328 | 348,328 |
| BlackRock Investment Management (Australia) Limited | 30-Jan-18 | yes | 5.32 | on mkt buy | AUD | ord | 9,525 | 9,525 |
| BlackRock Investment Management (Australia) Limited | 30-Jan-18 | yes | 5.27 | on mkt buy | AUD | ord | 12,054 | 12,054 |
| BlackRock Investment Management (Australia) Limited | 30-Jan-18 | yes | 5.27 | on mkt buy | AUD | ord | 1,449,615 | 1,449,615 |
| BlackRock Investment Management (Australia) Limited | 30-Jan-18 | yes | 5.27 | on mkt buy | AUD | ord | 39,742 | 39,742 |
| BlackRock Investment Management (UK) Limited | 30-Jan-18 | yes | 5.27 | on mkt buy | AUD | ord | 10,407 | 10,407 |
| BlackRock Japan Co., Ltd. | 30-Jan-18 | no | n/a | collateral transfer | AUD | ord | 136,659 | 136,659 |
| BlackRock Advisors (UK) Limited | 30-Jan-18 | no | n/a | collateral transfer | AUD | ord | 7,076 | 7,076 |
| BlackRock Capital Management, Inc. | 30-Jan-18 | no | n/a | collateral transfer | AUD | ord | 7,815 | 7,815 |
| BlackRock Financial Management, Inc. | 30-Jan-18 | no | n/a | collateral transfer | AUD | ord | 8 | 8 |
| BlackRock Investment Management (UK) Limited | 30-Jan-18 | no | n/a | collateral transfer | AUD | ord | 1,272,667 | 1,272,667 |
| BlackRock Asset Management North Asia Limited | 30-Jan-18 | no | n/a | collateral transfer | AUD | ord | 4,539 | 4,539 |
| BlackRock Japan Co., Ltd. | 31-Jan-18 | no | n/a | collateral transfer | AUD | ord | 618,751 | 618,751 |
| BlackRock Capital Management, Inc. | 31-Jan-18 | no | n/a | collateral transfer | AUD | ord | 2,252 | 2,252 |
| BlackRock Investment Management (UK) Limited | 31-Jan-18 | no | n/a | collateral transfer | AUD | ord | 62,256 | 62,256 |
| BlackRock Advisors (UK) Limited | 01-Feb-18 | no | n/a | collateral transfer | AUD | ord | 137 | 137 |
| BlackRock Capital Management, Inc. | 01-Feb-18 | no | n/a | collateral transfer | AUD | ord | 2,615 | 2,615 |
| BlackRock Financial Management, Inc. | 01-Feb-18 | no | n/a | collateral transfer | AUD | ord | 1 | 1 |
| BlackRock Investment Management, LLC | 01-Feb-18 | no | n/a | collateral transfer | AUD | ord | 9,626 | 9,626 |
| BlackRock Asset Management North Asia Limited | 01-Feb-18 | no | n/a | collateral transfer | AUD | ord | 10,405 | 10,405 |
| BlackRock Investment Management (Australia) Limited | 02-Feb-18 | yes | 5.33 | on mkt buy | AUD | ord | 6,426 | 6,426 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|---|-----|---------------|---------------------|-----|---|-------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Advisors (UK) Limited | 02-Feb-18 | no | n/a | collateral transfer | AUD | ord | 857,088 | 857,088 |
| BlackRock Capital Management, Inc. | 02-Feb-18 | no | n/a | collateral transfer | AUD | ord | 787 | 787 |
| BlackRock Financial Management, Inc. | 02-Feb-18 | no | n/a | collateral transfer | AUD | ord | 20 | 20 |
| BlackRock Investment Management, LLC | 02-Feb-18 | no | n/a | collateral transfer | AUD | ord | 12,041 | 12,041 |
| BlackRock Asset Management North Asia Limited | 02-Feb-18 | no | n/a | collateral transfer | AUD | ord | 20,631 | 20,631 |
| BlackRock Financial Management, Inc. | 05-Feb-18 | yes | 5.29 | on mkt buy | AUD | ord | 1,179,286 | 1,179,286 |
| BlackRock Japan Co., Ltd. | 05-Feb-18 | no | n/a | collateral transfer | AUD | ord | 75,359 | 75,359 |
| BlackRock Financial Management, Inc. | 05-Feb-18 | no | n/a | collateral transfer | AUD | ord | 13,054 | 13,054 |
| BlackRock Investment Management, LLC | 05-Feb-18 | no | n/a | collateral transfer | AUD | ord | 25,801 | 25,801 |
| BlackRock Investment Management, LLC | 06-Feb-18 | yes | 5.17 | on mkt buy | AUD | ord | 3,149 | 3,149 |
| BlackRock Advisors (UK) Limited | 06-Feb-18 | no | n/a | collateral transfer | AUD | ord | 883,670 | 883,670 |
| BlackRock Investment Management (UK) Limited | 06-Feb-18 | no | n/a | collateral transfer | AUD | ord | 68,090 | 68,090 |
| BlackRock Japan Co., Ltd. | 07-Feb-18 | no | n/a | collateral transfer | AUD | ord | 1 | 1 |
| BlackRock Financial Management, Inc. | 07-Feb-18 | no | n/a | collateral transfer | AUD | ord | 405 | 405 |
| BlackRock Investment Management, LLC | 07-Feb-18 | no | n/a | collateral transfer | AUD | ord | 49,417 | 49,417 |
| BlackRock Asset Management North Asia Limited | 07-Feb-18 | no | n/a | collateral transfer | AUD | ord | 12,797 | 12,797 |
| BlackRock Advisors, LLC | 08-Feb-18 | no | n/a | collateral transfer | AUD | ord | 10,080 | 10,080 |
| BlackRock Japan Co., Ltd. | 08-Feb-18 | no | n/a | collateral transfer | AUD | ord | 59,077 | 59,077 |
| BlackRock Capital Management, Inc. | 08-Feb-18 | no | n/a | collateral transfer | AUD | ord | 505 | 505 |
| BlackRock Financial Management, Inc. | 08-Feb-18 | no | n/a | collateral transfer | AUD | ord | 253 | 253 |
| BlackRock Investment Management, LLC | 08-Feb-18 | no | n/a | collateral transfer | AUD | ord | 139,719 | 139,719 |
| BlackRock Investment Management (UK) Limited | 08-Feb-18 | no | n/a | collateral transfer | AUD | ord | 704,948 | 704,948 |
| BlackRock Asset Management North Asia Limited | 08-Feb-18 | no | n/a | collateral transfer | AUD | ord | 20,781 | 20,781 |
| BlackRock Financial Management, Inc. | 09-Feb-18 | yes | 5.10 | on mkt buy | AUD | ord | 1,049,039 | 1,049,039 |
| BlackRock Investment Management (UK) Limited | 09-Feb-18 | no | n/a | in specie | AUD | ord | 4,797 | 4,797 |
| BlackRock Advisors (UK) Limited | 09-Feb-18 | no | n/a | collateral transfer | AUD | ord | 1,184,992 | 1,184,992 |
| BlackRock Investment Management (UK) Limited | 12-Feb-18 | yes | 5.08 | on mkt buy | AUD | ord | 6,049 | 6,049 |
| BlackRock Japan Co., Ltd. | 12-Feb-18 | no | n/a | collateral transfer | AUD | ord | 3 | 3 |
| BlackRock Advisors (UK) Limited | 12-Feb-18 | no | n/a | collateral transfer | AUD | ord | 112,674 | 112,674 |
| BlackRock Capital Management, Inc. | 12-Feb-18 | no | n/a | collateral transfer | AUD | ord | 546 | 546 |
| BlackRock Investment Management (UK) Limited | 12-Feb-18 | no | n/a | collateral transfer | AUD | ord | 53,745 | 53,745 |
| BlackRock Japan Co., Ltd. | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 6,772 | 6,772 |
| BlackRock Institutional Trust Company, National Association | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 5,185 | 5,185 |
| BlackRock Investment Management, LLC | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 6,490 | 6,490 |
| BlackRock Advisors (UK) Limited | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 17,994 | 17,994 |
| BlackRock Japan Co., Ltd. | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 5,244 | 5,244 |
| BlackRock Japan Co., Ltd. | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 2,802 | 2,802 |
| BlackRock Advisors, LLC | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 7,898 | 7,898 |
| BlackRock Advisors, LLC | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 4,244 | 4,244 |
| BlackRock Asset Management Canada Limited | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 5,964 | 5,964 |
| BlackRock Investment Management, LLC | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 2,491 | 2,491 |
| BlackRock Institutional Trust Company, National Association | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 58,503 | 58,503 |
| BlackRock Institutional Trust Company, National Association | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 4,109 | 4,109 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|--|-----|---------------|---------------------|-----|--|-------------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Investment Management (UK) Limited | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 3,736 | 3,736 |
| BlackRock Advisors (UK) Limited | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 14,120 | 14,120 |
| BlackRock Advisors (UK) Limited | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 10,374 | 10,374 |
| BlackRock Financial Management, Inc. | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 4,484 | 4,484 |
| BlackRock Institutional Trust Company, National Association | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 12,047 | 12,047 |
| BlackRock International Limited | 13-Feb-18 | yes | 5.11 | on mkt buy | AUD | ord | 19,159 | 19,159 |
| BlackRock Financial Management, Inc. | 13-Feb-18 | no | n/a | collateral transfer | AUD | ord | 79,631 | 79,631 |
| BlackRock Japan Co., Ltd. | 14-Feb-18 | no | n/a | collateral transfer | AUD | ord | 1 | 1 |
| BlackRock Capital Management, Inc. | 14-Feb-18 | no | n/a | collateral transfer | AUD | ord | 1,015 | 1,015 |
| BlackRock Institutional Trust Company, National Association | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 5,507 | 5,507 |
| BlackRock Institutional Trust Company, National Association | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 2,923 | 2,923 |
| BlackRock Advisors (UK) Limited | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 14,734 | 14,734 |
| BlackRock Advisors, LLC | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 8,463 | 8,463 |
| BlackRock Asset Management Canada Limited | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 6,125 | 6,125 |
| BlackRock Investment Management, LLC | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 2,896 | 2,896 |
| BlackRock Institutional Trust Company, National Association | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 67,195 | 67,195 |
| BlackRock Institutional Trust Company, National Association | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 2,855 | 2,855 |
| BlackRock Advisors (UK) Limited | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 13,578 | 13,578 |
| BlackRock Advisors (UK) Limited | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 10,506 | 10,506 |
| BlackRock Financial Management, Inc. | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 3,356 | 3,356 |
| BlackRock Financial Management, Inc. | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 5,060 | 5,060 |
| BlackRock Institutional Trust Company, National Association | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 14,180 | 14,180 |
| BlackRock International Limited | 15-Feb-18 | yes | 5.19 | on mkt buy | AUD | ord | 16,696 | 16,696 |
| BlackRock Investment Management (Australia) Limited | 15-Feb-18 | yes | 5.20 | on mkt buy | AUD | ord | 434,567 | 434,567 |
| BlackRock Investment Management (Australia) Limited | 15-Feb-18 | yes | 5.20 | on mkt buy | AUD | ord | 13,297 | 13,297 |
| BlackRock Japan Co., Ltd. | 15-Feb-18 | no | n/a | collateral transfer | AUD | ord | 2,698,506 | 2,698,506 |
| BlackRock Advisors (UK) Limited | 15-Feb-18 | no | n/a | collateral transfer | AUD | ord | 1,231,468 | 1,231,468 |
| BlackRock Capital Management, Inc. | 15-Feb-18 | no | n/a | collateral transfer | AUD | ord | 9,019 | 9,019 |
| BlackRock Investment Management, LLC | 15-Feb-18 | no | n/a | collateral transfer | AUD | ord | 69 | 69 |
| BlackRock Asset Management North Asia Limited | 15-Feb-18 | no | n/a | collateral transfer | AUD | ord | 342 | 342 |
| BlackRock Investment Management (Australia) Limited | 16-Feb-18 | yes | 5.20 | on mkt buy | AUD | ord | 288,876 | 288,876 |
| BlackRock Investment Management (Australia) Limited | 16-Feb-18 | yes | 5.20 | on mkt buy | AUD | ord | 8,839 | 8,839 |
| BlackRock Financial Management, Inc. | 16-Feb-18 | yes | 5.22 | on mkt buy | AUD | ord | 1,775 | 1,775 |
| BlackRock Advisors, LLC | 16-Feb-18 | no | n/a | collateral transfer | AUD | ord | 42,274 | 42,274 |
| BlackRock Capital Management, Inc. | 16-Feb-18 | no | n/a | collateral transfer | AUD | ord | 653 | 653 |
| BlackRock Financial Management, Inc. | 16-Feb-18 | no | n/a | collateral transfer | AUD | ord | 4 | 4 |
| BlackRock Investment Management, LLC | 16-Feb-18 | no | n/a | collateral transfer | AUD | ord | 178,490 | 178,490 |
| BlackRock Investment Management (UK) Limited | 16-Feb-18 | no | n/a | collateral transfer | AUD | ord | 3,155,286 | 3,155,286 |
| BlackRock Asset Management North Asia Limited | 16-Feb-18 | no | n/a | collateral transfer | AUD | ord | 475,203 | 475,203 |
| BlackRock Investment Management (Australia) Limited | 19-Feb-18 | yes | 5.31 | on mkt buy | AUD | ord | 174,940 | 174,940 |
| BlackRock Investment Management (Australia) Limited | 19-Feb-18 | yes | 5.31 | on mkt buy | AUD | ord | 5,353 | 5,353 |
| BlackRock Investment Management (Australia) Limited | 19-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 77,626 | 77,626 |
| BlackRock Investment Management (Australia) Limited | 19-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 2,374 | 2,374 |
| BlackRock Capital Management, Inc. | 19-Feb-18 | no | n/a | collateral transfer | AUD | ord | 336 | 336 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|--|--|-----|---------------|------------------------|-----|--|-------------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Investment Management, LLC | 19-Feb-18 | no | n/a | collateral transfer | AUD | ord | 6,773 | 6,773 |
| BlackRock Investment Management (Australia) Limited | 20-Feb-18 | yes | 5.31 | on mkt buy | AUD | ord | 255,260 | 255,260 |
| BlackRock Investment Management (Australia) Limited | 20-Feb-18 | yes | 5.31 | on mkt buy | AUD | ord | 7,812 | 7,812 |
| BlackRock Advisors (UK) Limited | 20-Feb-18 | no | n/a | collateral transfer | AUD | ord | 3,866,168 | 3,866,168 |
| BlackRock Institutional Trust Company, National Association | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 3,921 | 3,921 |
| BlackRock Financial Management, Inc. | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 3,603 | 3,603 |
| BlackRock Investment Management, LLC | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 8,052 | 8,052 |
| BlackRock Institutional Trust Company, National Association | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 11,316 | 11,316 |
| BlackRock Institutional Trust Company, National Association | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 2,500 | 2,500 |
| BlackRock Advisors (UK) Limited | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 9,760 | 9,760 |
| BlackRock Japan Co., Ltd. | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 14,102 | 14,102 |
| BlackRock Japan Co., Ltd. | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 8,771 | 8,771 |
| BlackRock Japan Co., Ltd. | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 5,344 | 5,344 |
| BlackRock Japan Co., Ltd. | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 3,510 | 3,510 |
| BlackRock Advisors, LLC | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 7,226 | 7,226 |
| BlackRock Asset Management Canada Limited | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 4,597 | 4,597 |
| BlackRock Investment Management, LLC | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 2,402 | 2,402 |
| BlackRock International Limited | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 13,928 | 13,928 |
| BlackRock Institutional Trust Company, National Association | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 53,598 | 53,598 |
| BlackRock Institutional Trust Company, National Association | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 3,892 | 3,892 |
| BlackRock Investment Management (UK) Limited | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 5,758 | 5,758 |
| BlackRock Advisors (UK) Limited | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 14,637 | 14,637 |
| BlackRock Advisors (UK) Limited | 21-Feb-18 | yes | 5.32 | on mkt buy | AUD | ord | 11,421 | 11,421 |
| BlackRock Japan Co., Ltd. | 21-Feb-18 | no | n/a | collateral transfer | AUD | ord | 9 | 9 |
| BlackRock Investment Management (UK) Limited | 21-Feb-18 | no | n/a | collateral transfer | AUD | ord | 370 | 370 |
| BlackRock Asset Management North Asia Limited | 21-Feb-18 | no | n/a | collateral transfer | AUD | ord | 3,522 | 3,522 |
| BlackRock Japan Co., Ltd. | 22-Feb-18 | no | n/a | collateral transfer | AUD | ord | 8 | 8 |
| BlackRock Capital Management, Inc. | 22-Feb-18 | no | n/a | collateral transfer | AUD | ord | 7,266 | 7,266 |
| BlackRock Financial Management, Inc. | 22-Feb-18 | no | n/a | collateral transfer | AUD | ord | 1 | 1 |
| BlackRock Investment Management, LLC | 22-Feb-18 | no | n/a | collateral transfer | AUD | ord | 5,107 | 5,107 |
| BlackRock Investment Management (UK) Limited | 22-Feb-18 | no | n/a | collateral transfer | AUD | ord | 3,177,026 | 3,177,026 |
| BlackRock Asset Management North Asia Limited | 22-Feb-18 | no | n/a | collateral transfer | AUD | ord | 2,089 | 2,089 |
| BlackRock Institutional Trust Company, National Association | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 5,030 | 5,030 |
| BlackRock Advisors (UK) Limited | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 14,035 | 14,035 |
| BlackRock Financial Management, Inc. | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 2,282 | 2,282 |
| BlackRock Asset Management Canada Limited | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 5,416 | 5,416 |
| BlackRock Investment Management, LLC | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 2,837 | 2,837 |
| BlackRock Investment Management (UK) Limited | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 2,427 | 2,427 |
| BlackRock Institutional Trust Company, National Association | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 68,670 | 68,670 |
| BlackRock Institutional Trust Company, National Association | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 4,722 | 4,722 |
| BlackRock Advisors (UK) Limited | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 16,647 | 16,647 |
| BlackRock Advisors (UK) Limited | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 13,105 | 13,105 |
| BlackRock Financial Management, Inc. | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 3,944 | 3,944 |
| BlackRock Institutional Trust Company, National Association | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 13,288 | 13,288 |
| BlackRock Institutional Trust Company, National Association | 23-Feb-18 | yes | 5.72 | on mkt buy | AUD | ord | 16,645 | 16,645 |
| BlackRock Fund Advisors | 23-Feb-18 | no | n/a | in specie | AUD | ord | 1,869 | 1,869 |
| BlackRock Advisors (UK) Limited | 23-Feb-18 | no | n/a | collateral transfer | AUD | ord | 3,214,253 | 3,214,253 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|---|-----|---------------|---------------------|-----|---|-------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Investment Management, LLC | 23-Feb-18 | no | n/a | collateral transfer | AUD | ord | 5,710 | 5,710 |
| BlackRock Investment Management (UK) Limited | 23-Feb-18 | no | n/a | collateral transfer | AUD | ord | 2,234,519 | 2,234,519 |
| BlackRock Investment Management (Australia) Limited | 26-Feb-18 | yes | 5.65 | on mkt buy | AUD | ord | 16,072 | 16,072 |
| BlackRock Advisors (UK) Limited | 26-Feb-18 | no | n/a | collateral transfer | AUD | ord | 30,506 | 30,506 |
| BlackRock Capital Management, Inc. | 26-Feb-18 | no | n/a | collateral transfer | AUD | ord | 1,345 | 1,345 |
| BlackRock Investment Management (UK) Limited | 26-Feb-18 | no | n/a | collateral transfer | AUD | ord | 2,872,803 | 2,872,803 |
| BlackRock Asset Management North Asia Limited | 26-Feb-18 | no | n/a | collateral transfer | AUD | ord | 8,546 | 8,546 |
| BlackRock Fund Advisors | 27-Feb-18 | no | n/a | in specie | AUD | ord | 3,738 | 3,738 |
| BlackRock Financial Management, Inc. | 27-Feb-18 | no | n/a | collateral transfer | AUD | ord | 304 | 304 |
| BlackRock Investment Management, LLC | 27-Feb-18 | no | n/a | collateral transfer | AUD | ord | 22,309 | 22,309 |
| BlackRock Financial Management, Inc. | 28-Feb-18 | yes | 5.86 | on mkt buy | AUD | ord | 3,370 | 3,370 |
| BlackRock Institutional Trust Company, National Association | 28-Feb-18 | yes | 5.86 | on mkt buy | AUD | ord | 5,459 | 5,459 |
| BlackRock International Limited | 28-Feb-18 | yes | 5.86 | on mkt buy | AUD | ord | 13,341 | 13,341 |
| BlackRock Japan Co., Ltd. | 28-Feb-18 | yes | 5.86 | on mkt buy | AUD | ord | 9,641 | 9,641 |
| BlackRock Investment Management, LLC | 28-Feb-18 | yes | 5.88 | on mkt buy | AUD | ord | 7,894 | 7,894 |
| BlackRock Institutional Trust Company, National Association | 28-Feb-18 | yes | 5.87 | on mkt buy | AUD | ord | 4,011 | 4,011 |
| BlackRock Advisors (UK) Limited | 28-Feb-18 | yes | 5.87 | on mkt buy | AUD | ord | 11,441 | 11,441 |
| BlackRock Japan Co., Ltd. | 28-Feb-18 | yes | 5.87 | on mkt buy | AUD | ord | 7,852 | 7,852 |
| BlackRock Japan Co., Ltd. | 28-Feb-18 | yes | 5.87 | on mkt buy | AUD | ord | 5,475 | 5,475 |
| BlackRock Japan Co., Ltd. | 28-Feb-18 | yes | 5.87 | on mkt buy | AUD | ord | 3,157 | 3,157 |
| BlackRock Asset Management Canada Limited | 28-Feb-18 | yes | 5.87 | on mkt buy | AUD | ord | 3,859 | 3,859 |
| BlackRock Investment Management (UK) Limited | 28-Feb-18 | yes | 5.87 | on mkt buy | AUD | ord | 5,014 | 5,014 |
| BlackRock Advisors (UK) Limited | 28-Feb-18 | yes | 5.87 | on mkt buy | AUD | ord | 14,243 | 14,243 |
| BlackRock Advisors (UK) Limited | 28-Feb-18 | yes | 5.87 | on mkt buy | AUD | ord | 11,049 | 11,049 |
| BlackRock Financial Management, Inc. | 28-Feb-18 | yes | 5.87 | on mkt buy | AUD | ord | 2,808 | 2,808 |
| BlackRock Institutional Trust Company, National Association | 28-Feb-18 | yes | 5.89 | on mkt buy | AUD | ord | 2,420 | 2,420 |
| BlackRock Investment Management (Australia) Limited | 28-Feb-18 | yes | 5.89 | on mkt buy | AUD | ord | 13,567 | 13,567 |
| BlackRock Investment Management (Australia) Limited | 28-Feb-18 | yes | 5.89 | on mkt buy | AUD | ord | 7,244 | 7,244 |
| BlackRock Fund Advisors | 28-Feb-18 | no | n/a | in specie | AUD | ord | 11,214 | 11,214 |
| BlackRock Fund Advisors | 28-Feb-18 | no | n/a | in specie | AUD | ord | 7,476 | 7,476 |
| BlackRock Fund Advisors | 28-Feb-18 | no | n/a | in specie | AUD | ord | 22,428 | 22,428 |
| BlackRock Financial Management, Inc. | 28-Feb-18 | no | n/a | collateral transfer | AUD | ord | 263,657 | 263,657 |
| BlackRock Investment Management, LLC | 28-Feb-18 | no | n/a | collateral transfer | AUD | ord | 2,340,385 | 2,340,385 |
| BlackRock Institutional Trust Company, National Association | 01-Mar-18 | yes | 5.85 | on mkt buy | AUD | ord | 7,274 | 7,274 |
| BlackRock Institutional Trust Company, National Association | 01-Mar-18 | yes | 5.85 | on mkt buy | AUD | ord | 5,286 | 5,286 |
| BlackRock Investment Management, LLC | 01-Mar-18 | yes | 5.86 | on mkt buy | AUD | ord | 4,777 | 4,777 |
| BlackRock Advisors, LLC | 01-Mar-18 | no | n/a | collateral transfer | AUD | ord | 289 | 289 |
| BlackRock Japan Co., Ltd. | 01-Mar-18 | no | n/a | collateral transfer | AUD | ord | 833 | 833 |
| BlackRock Advisors (UK) Limited | 01-Mar-18 | no | n/a | collateral transfer | AUD | ord | 11 | 11 |
| BlackRock Capital Management, Inc. | 01-Mar-18 | no | n/a | collateral transfer | AUD | ord | 576 | 576 |
| BlackRock Investment Management (UK) Limited | 01-Mar-18 | no | n/a | collateral transfer | AUD | ord | 1,946,181 | 1,946,181 |
| BlackRock Asset Management North Asia Limited | 01-Mar-18 | no | n/a | collateral transfer | AUD | ord | 5,289 | 5,289 |
| BlackRock Institutional Trust Company, National Association | 02-Mar-18 | yes | 5.81 | on mkt buy | AUD | ord | 4,608 | 4,608 |
| BlackRock Institutional Trust Company, National Association | 02-Mar-18 | yes | 5.81 | on mkt buy | AUD | ord | 2,229 | 2,229 |
| BlackRock Institutional Trust Company, National Association | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 4,579 | 4,579 |
| BlackRock International Limited | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 23,345 | 23,345 |

| Holder of Relevant Interest | Date of Acquisition / Trans on a prescribed fin'l mkt | | Consideration | | | Class and number of securities affected | Person's votes affected | |
|---|--|-----|---------------|---------------------|-----|--|-------------------------------|-----------|
| | | | Cash | Non-cash | CCY | | | |
| BlackRock Institutional Trust Company, National Association | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 6,982 | 6,982 |
| BlackRock Institutional Trust Company, National Association | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 3,376 | 3,376 |
| BlackRock Institutional Trust Company, National Association | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 4,942 | 4,942 |
| BlackRock Advisors (UK) Limited | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 10,169 | 10,169 |
| BlackRock Investment Management, LLC | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 2,704 | 2,704 |
| BlackRock Institutional Trust Company, National Association | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 54,693 | 54,693 |
| BlackRock Institutional Trust Company, National Association | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 3,405 | 3,405 |
| BlackRock Advisors (UK) Limited | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 17,485 | 17,485 |
| BlackRock Advisors (UK) Limited | 02-Mar-18 | yes | 5.67 | on mkt buy | AUD | ord | 13,489 | 13,489 |
| BlackRock Financial Management, Inc. | 02-Mar-18 | no | n/a | collateral transfer | AUD | ord | 210,402 | 210,402 |
| BlackRock Investment Management, LLC | 02-Mar-18 | no | n/a | collateral transfer | AUD | ord | 1,699,526 | 1,699,526 |
| BlackRock Investment Management, LLC | 05-Mar-18 | yes | 5.68 | on mkt buy | AUD | ord | 16,479 | 16,479 |
| BlackRock Investment Management (Australia) Limited | 05-Mar-18 | yes | 5.61 | on mkt buy | AUD | ord | 9,181 | 9,181 |
| BlackRock Institutional Trust Company, National Association | 06-Mar-18 | yes | 5.86 | on mkt buy | AUD | ord | 23,123 | 23,123 |
| BlackRock Financial Management, Inc. | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 5,009 | 5,009 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 13,874 | 13,874 |
| BlackRock Japan Co., Ltd. | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 22,651 | 22,651 |
| BlackRock International Limited | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 19,119 | 19,119 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.83 | on mkt buy | AUD | ord | 22,974 | 22,974 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.83 | on mkt buy | AUD | ord | 10,233 | 10,233 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 6,234 | 6,234 |
| BlackRock Investment Management, LLC | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 18,185 | 18,185 |
| BlackRock Investment Management (UK) Limited | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 3,220 | 3,220 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 2,789 | 2,789 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 10,587 | 10,587 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 1,964 | 1,964 |
| BlackRock Advisors (UK) Limited | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 19,416 | 19,416 |
| BlackRock Japan Co., Ltd. | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 16,864 | 16,864 |
| BlackRock Japan Co., Ltd. | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 11,240 | 11,240 |
| BlackRock Japan Co., Ltd. | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 7,205 | 7,205 |
| BlackRock Advisors, LLC | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 13,170 | 13,170 |
| BlackRock Financial Management, Inc. | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 2,816 | 2,816 |
| BlackRock Investment Management, LLC | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 3,507 | 3,507 |
| BlackRock Investment Management (UK) Limited | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 2,923 | 2,923 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 99,454 | 99,454 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 6,473 | 6,473 |
| BlackRock Financial Management, Inc. | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 13,022 | 13,022 |
| BlackRock Advisors, LLC | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 3,818 | 3,818 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 28,752 | 28,752 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 10,776 | 10,776 |
| BlackRock Investment Management (UK) Limited | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 9,368 | 9,368 |
| BlackRock Advisors (UK) Limited | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 21,663 | 21,663 |
| BlackRock Advisors (UK) Limited | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 17,635 | 17,635 |
| BlackRock Financial Management, Inc. | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 2,655 | 2,655 |
| BlackRock Institutional Trust Company, National Association | 07-Mar-18 | yes | 5.84 | on mkt buy | AUD | ord | 24,660 | 24,660 |
| BlackRock Investment Management (Australia) Limited | 08-Mar-18 | yes | 5.91 | on mkt buy | AUD | ord | 5,023 | 5,023 |
| BlackRock Advisors (UK) Limited | 08-Mar-18 | no | n/a | in specie | AUD | ord | 956,382 | 956,382 |
| BlackRock Investment Management (UK) Limited | 08-Mar-18 | no | n/a | in specie | AUD | ord | 4,004 | 4,004 |

This is Annexure C of 1 pages referred to in form 603 Notice of initial substantial shareholder

12-Mar-18

Kayla Mulvihill,
Authorised Signatory

Date

7. Addresses

The addresses of persons named in this form are as follows:

| Name | Address |
|---|---|
| BlackRock Group | |
| BlackRock Inc. | 55 East 52nd Street New York NY 10055 USA |
| BlackRock (Singapore) Limited | 20 Anson Road #18-01 079912 Singapore |
| BlackRock Advisors (UK) Limited | 12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom |
| BlackRock Advisors, LLC | 1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States |
| BlackRock Asset Management Canada Limited | 161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada |
| BlackRock Asset Management North Asia Limited | 15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong |
| BlackRock Capital Management, Inc. | 1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States |
| BlackRock Financial Management, Inc. | 1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States |
| BlackRock Fund Advisors | 400 Howard Street San Francisco, CA, 94105 United States |
| BlackRock Institutional Trust Company, National Association | 1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA) |
| BlackRock International Limited | Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom) |
| BlackRock Investment Management (Australia) Limited | Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia) |
| BlackRock Investment Management (UK) Limited | 12 Throgmorton Avenue London EC2N 2DL United Kingdom |
| BlackRock Investment Management, LLC | 1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States |
| BlackRock Japan Co., Ltd. | Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan) |

