

Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme _____

ACN/ARSN _____

1. Details of substantial holder (1)

Name _____

ACN/ARSN (if applicable) _____

The holder became a substantial holder on _____ / ____ / ____

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)

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

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

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	

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

7. Addresses

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

Name	Address

Signature

print name

capacity

sign here

date / /

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-Sep-17

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 (Netherlands) B.V.	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 49,945	49,945	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	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 139,957	139,957	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	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 446,408	446,408	subsidiary of BlackRock Inc.
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 13,611	13,611	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 5,576,570	5,576,570	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 - J.P. Morgan Zurich		ord 218,444	218,444	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 2,129,186	2,129,186	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.	NT-NORTHERN TRUST UK		ord 791,091	791,091	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 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.	RBC-DEXIA BIL- LONDON		ord 448,809	448,809	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.	RBC-RBC DEXIA LUXEMBOURG		ord 125,003	125,003	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 7,071,975	7,071,975	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.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ord 21,766	21,766	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 NEW YORK		ord 194,222	194,222	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 2,015,567	2,015,567	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.	NT-NORTHERN TRUST CO. - CHICAGO		ord 37,077	37,077	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-SSB NEW YORK INSTITUTIONAL		ord 88,835	88,835	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 1,280,909	1,280,909	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 28,859	28,859	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 11,403	11,403	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 4,216	4,216	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.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ord 66,472	66,472	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 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 874,797	874,797	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 - LONDON		ord 28,739	28,739	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.	NT-NORTHERN TRUST UK		ord 246,540	246,540	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.	RBC-ROYAL TRUST - TORONTO		ord 170,727	170,727	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 13,795	13,795	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-SSB NEW YORK INSTITUTIONAL		ord 127,710	127,710	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 BANK, BOSTON		ord 543,342	543,342	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 MUTUAL FUNDS - BOSTON		ord 150,512	150,512	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 37,948,421	37,948,421	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.	BNP PARIBAS LON		ord 182,598	182,598	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 2,845,775	2,845,775	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 347,004	347,004	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 962,328	962,328	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.	SSB-SSB BOSTON INSTITUTIONAL		ord 58,273	58,273	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 2,259,915	2,259,915	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 STATE HONG KONG		ord 1,151,663	1,151,663	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 BANK, BOSTON		ord 138,992	138,992	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 36,832,117	36,832,117	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 126,021	126,021	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.	NT-NORTHERN TRUST UK		ord 1,002,975	1,002,975	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 38,418	38,418	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 8,189,647	8,189,647	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 1,426,030	1,426,030	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.	AP7		ord 412,967	412,967	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.	BNP-BNP Paribas Milan		ord 96,471	96,471	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 1,303,497	1,303,497	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 (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 1,405,971	1,405,971	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.	CB-CACEIS BANK LUXEMBOURG		ord 19,214	19,214	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 2,571,748	2,571,748	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 940,121	940,121	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-JP MORGAN CHASE - NEW YORK		ord 189,725	189,725	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.	KAS-KAS BANK - AMSTERDAM		ord 345,999	345,999	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 CO. - CHICAGO		ord 209,466	209,466	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 2,164,574	2,164,574	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.	SEB-SKANDINAVISKA ENSKILDA BANKEN		ord 96,787	96,787	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 STATE HONG KONG		ord 139,201	139,201	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 667,362	667,362	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, GERMANY		ord 196,189	196,189	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 LONDON		ord 707,311	707,311	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.	BNYM-THE BANK OF NEW YORK		ord 1,843,067	1,843,067	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 1,918,104	1,918,104	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.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ord 6,933	6,933	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.	USB-US BANK		ord 56,895	56,895	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.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ord 40,872	40,872	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 3,440,502	3,440,502	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.	SSB-STATE STREET BANK, BOSTON		ord 47,584	47,584	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 1,237,548	1,237,548	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 2,007,105	2,007,105	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 7,522,678	7,522,678	subsidiary of BlackRock Inc.

This is Annexure B of 9 pages referred to in form 603 Notice of initial substantial shareholder

12-Sep-17

Kayla Mulvihill,
Authorised Signatory

Date

5. Consideration

AMP LTD (AMP)									
Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt	Consideration	Consideration			Class and number of securities affected	Person's votes affected		
			Cash	Non-cash	CCY				
BlackRock Fund Advisors	09-May-17	yes	5.36	on mkt buy	AUD	ord	77,785	77,785	
BlackRock Advisors (UK) Limited	09-May-17	yes	5.36	on mkt buy	AUD	ord	5,846	5,846	
BlackRock Fund Advisors	09-May-17	no	n/a	in specie	AUD	ord	7,130	7,130	
BlackRock Fund Advisors	09-May-17	no	n/a	in specie	AUD	ord	437	437	
BlackRock Fund Advisors	09-May-17	no	n/a	in specie	AUD	ord	17,952	17,952	
BlackRock Fund Advisors	09-May-17	no	n/a	in specie	AUD	ord	25,437	25,437	
BlackRock Fund Advisors	09-May-17	no	n/a	in specie	AUD	ord	42,395	42,395	
BlackRock Investment Management (Australia) Limited	10-May-17	yes	5.43	on mkt buy	AUD	ord	18,727	18,727	
BlackRock Fund Advisors	10-May-17	yes	5.42	on mkt buy	AUD	ord	18,873	18,873	
BlackRock Advisors, LLC	10-May-17	yes	5.42	on mkt buy	AUD	ord	82,620	82,620	
BlackRock Fund Advisors	10-May-17	no	n/a	in specie	AUD	ord	16,958	16,958	
BlackRock Fund Advisors	10-May-17	no	n/a	in specie	AUD	ord	12,792	12,792	
BlackRock Fund Advisors	10-May-17	no	n/a	in specie	AUD	ord	42,395	42,395	
BlackRock Institutional Trust Company, National Association	11-May-17	yes	5.30	on mkt buy	AUD	ord	149,714	149,714	
BlackRock Institutional Trust Company, National Association	11-May-17	yes	5.30	on mkt buy	AUD	ord	14,028	14,028	
BlackRock Fund Advisors	11-May-17	no	n/a	in specie	AUD	ord	16,958	16,958	
BlackRock Institutional Trust Company, National Association	11-May-17	no	n/a	in specie	AUD	ord	18,940	18,940	
BlackRock Advisors (UK) Limited	12-May-17	yes	5.25	on mkt buy	AUD	ord	35,112	35,112	
BlackRock Investment Management (Australia) Limited	12-May-17	yes	5.27	on mkt buy	AUD	ord	2,629	2,629	
BlackRock Advisors (UK) Limited	12-May-17	yes	5.27	on mkt buy	AUD	ord	18,006	18,006	
BlackRock Advisors (UK) Limited	12-May-17	yes	5.27	on mkt buy	AUD	ord	988	988	
BlackRock Advisors (UK) Limited	12-May-17	yes	5.27	on mkt buy	AUD	ord	8,496	8,496	
BlackRock Fund Advisors	12-May-17	no	n/a	in specie	AUD	ord	59,353	59,353	
BlackRock Fund Advisors	12-May-17	no	n/a	in specie	AUD	ord	16,958	16,958	
BlackRock Advisors (UK) Limited	12-May-17	no	n/a	in specie	AUD	ord	9,279	9,279	
BlackRock Advisors (UK) Limited	12-May-17	no	n/a	collateral transfer	AUD	ord	245,380	245,380	
BlackRock Advisors (UK) Limited	15-May-17	yes	5.22	on mkt buy	AUD	ord	17,556	17,556	
BlackRock Advisors (UK) Limited	15-May-17	yes	5.21	on mkt buy	AUD	ord	19,405	19,405	
BlackRock Fund Advisors	15-May-17	yes	5.21	on mkt buy	AUD	ord	56,783	56,783	
BlackRock Fund Advisors	15-May-17	no	n/a	in specie	AUD	ord	22,360	22,360	
BlackRock Fund Advisors	15-May-17	no	n/a	in specie	AUD	ord	11,562	11,562	
BlackRock Fund Advisors	15-May-17	no	n/a	in specie	AUD	ord	42,395	42,395	
BlackRock Fund Advisors	15-May-17	no	n/a	in specie	AUD	ord	16,958	16,958	
BlackRock Investment Management (UK) Limited	16-May-17	yes	5.23	on mkt buy	AUD	ord	14,159	14,159	
BlackRock Advisors (UK) Limited	16-May-17	yes	5.21	on mkt buy	AUD	ord	6,560	6,560	
BlackRock Advisors, LLC	16-May-17	yes	5.21	on mkt buy	AUD	ord	180,594	180,594	
BlackRock Advisors (UK) Limited	16-May-17	yes	5.21	on mkt buy	AUD	ord	29,260	29,260	
BlackRock Advisors (UK) Limited	16-May-17	yes	5.21	on mkt buy	AUD	ord	990	990	
BlackRock Advisors (UK) Limited	16-May-17	yes	5.21	on mkt buy	AUD	ord	17,028	17,028	
BlackRock Advisors (UK) Limited	16-May-17	yes	5.21	on mkt buy	AUD	ord	25,649	25,649	
BlackRock Institutional Trust Company, National Association	16-May-17	yes	5.21	on mkt buy	AUD	ord	22,237	22,237	
BlackRock Investment Management (Australia) Limited	16-May-17	yes	5.21	on mkt buy	AUD	ord	31,943	31,943	
BlackRock Investment Management (Australia) Limited	16-May-17	yes	5.21	on mkt buy	AUD	ord	9,606	9,606	
BlackRock Investment Management (Australia) Limited	16-May-17	yes	5.21	on mkt buy	AUD	ord	19,080	19,080	
BlackRock Advisors (UK) Limited	16-May-17	no	n/a	in specie	AUD	ord	48,687	48,687	
BlackRock Fund Advisors	16-May-17	no	n/a	in specie	AUD	ord	16,958	16,958	
BlackRock Fund Advisors	16-May-17	no	n/a	in specie	AUD	ord	33,916	33,916	
BlackRock Fund Advisors	16-May-17	no	n/a	in specie	AUD	ord	59,353	59,353	
BlackRock Fund Advisors	17-May-17	yes	5.21	on mkt buy	AUD	ord	21,600	21,600	
BlackRock Investment Management (Australia) Limited	17-May-17	yes	5.18	on mkt buy	AUD	ord	306,560	306,560	

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	17-May-17	yes	5.17	on mkt buy	AUD	ord	6,908	6,908
BlackRock Fund Advisors	17-May-17	yes	5.17	on mkt buy	AUD	ord	39,912	39,912
BlackRock Institutional Trust Company, National Association	17-May-17	yes	5.17	on mkt buy	AUD	ord	49,631	49,631
BlackRock Institutional Trust Company, National Association	17-May-17	yes	5.17	on mkt buy	AUD	ord	14,487	14,487
BlackRock Investment Management (Australia) Limited	17-May-17	yes	5.17	on mkt buy	AUD	ord	4,634	4,634
BlackRock Fund Advisors	17-May-17	yes	5.17	on mkt buy	AUD	ord	27,750	27,750
BlackRock Fund Advisors	17-May-17	no	n/a	in specie	AUD	ord	16,958	16,958
BlackRock Advisors (UK) Limited	18-May-17	yes	5.13	on mkt buy	AUD	ord	17,793	17,793
BlackRock Advisors (UK) Limited	18-May-17	yes	5.11	on mkt buy	AUD	ord	5,931	5,931
BlackRock Advisors (UK) Limited	18-May-17	yes	5.13	on mkt buy	AUD	ord	1,890	1,890
BlackRock Advisors (UK) Limited	18-May-17	yes	5.13	on mkt buy	AUD	ord	8,505	8,505
BlackRock Advisors (UK) Limited	18-May-17	yes	5.13	on mkt buy	AUD	ord	199,996	199,996
BlackRock Asset Management Canada Limited	18-May-17	yes	5.13	on mkt buy	AUD	ord	7,183	7,183
BlackRock Investment Management (Australia) Limited	18-May-17	yes	5.13	on mkt buy	AUD	ord	4,637	4,637
BlackRock Advisors (UK) Limited	18-May-17	yes	5.13	on mkt buy	AUD	ord	5,931	5,931
BlackRock Investment Management (Australia) Limited	18-May-17	yes	5.13	on mkt buy	AUD	ord	1,520	1,520
BlackRock Institutional Trust Company, National Association	18-May-17	yes	5.13	on mkt buy	AUD	ord	416,311	416,311
BlackRock Fund Advisors	18-May-17	no	n/a	in specie	AUD	ord	72,498	72,498
BlackRock Institutional Trust Company, National Association	18-May-17	no	n/a	in specie	AUD	ord	14,351	14,351
BlackRock Investment Management (Australia) Limited	18-May-17	no	n/a	in specie	AUD	ord	282,054	282,054
BlackRock Advisors (UK) Limited	18-May-17	no	n/a	collateral transfer	AUD	ord	243,065	243,065
BlackRock Advisors (UK) Limited	19-May-17	yes	5.08	on mkt buy	AUD	ord	9,450	9,450
BlackRock Investment Management (Australia) Limited	19-May-17	yes	5.08	on mkt buy	AUD	ord	19,158	19,158
BlackRock Fund Advisors	19-May-17	no	n/a	in specie	AUD	ord	2,040	2,040
BlackRock Fund Advisors	19-May-17	no	n/a	in specie	AUD	ord	17,952	17,952
BlackRock Advisors (UK) Limited	22-May-17	yes	5.12	on mkt buy	AUD	ord	5,930	5,930
BlackRock Fund Advisors	22-May-17	no	n/a	in specie	AUD	ord	2,962	2,962
BlackRock Fund Advisors	22-May-17	no	n/a	in specie	AUD	ord	25,437	25,437
BlackRock Fund Advisors	22-May-17	no	n/a	in specie	AUD	ord	16,958	16,958
BlackRock Fund Advisors	22-May-17	no	n/a	in specie	AUD	ord	76,311	76,311
BlackRock Japan Co., Ltd.	22-May-17	no	n/a	collateral transfer	AUD	ord	218,918	218,918
BlackRock Advisors (UK) Limited	23-May-17	yes	5.10	on mkt buy	AUD	ord	30,110	30,110
BlackRock Advisors (UK) Limited	23-May-17	yes	5.10	on mkt buy	AUD	ord	4,725	4,725
BlackRock Fund Advisors	23-May-17	no	n/a	in specie	AUD	ord	2,962	2,962
BlackRock Fund Advisors	23-May-17	no	n/a	in specie	AUD	ord	42,395	42,395
BlackRock Advisors (UK) Limited	23-May-17	no	n/a	collateral transfer	AUD	ord	45,699	45,699
BlackRock Fund Advisors	24-May-17	yes	5.17	on mkt buy	AUD	ord	71,799	71,799
BlackRock Japan Co., Ltd.	24-May-17	yes	5.17	on mkt buy	AUD	ord	9,920	9,920
BlackRock Advisors (UK) Limited	24-May-17	yes	5.17	on mkt buy	AUD	ord	5,670	5,670
BlackRock Advisors (UK) Limited	24-May-17	yes	5.17	on mkt buy	AUD	ord	7,560	7,560
BlackRock Investment Management (Australia) Limited	24-May-17	no	n/a	in specie	AUD	ord	24,794	24,794
BlackRock Fund Advisors	24-May-17	no	n/a	in specie	AUD	ord	437	437
BlackRock Advisors (UK) Limited	24-May-17	no	n/a	collateral transfer	AUD	ord	403,357	403,357
BlackRock Advisors (UK) Limited	25-May-17	yes	5.18	on mkt buy	AUD	ord	17,790	17,790
BlackRock Institutional Trust Company, National Association	25-May-17	yes	5.18	on mkt buy	AUD	ord	47,150	47,150
BlackRock Investment Management (Australia) Limited	25-May-17	yes	5.18	on mkt buy	AUD	ord	4,866	4,866
BlackRock Advisors (UK) Limited	26-May-17	yes	5.13	on mkt buy	AUD	ord	90,749	90,749
BlackRock Advisors (UK) Limited	26-May-17	yes	5.15	on mkt buy	AUD	ord	5,930	5,930
BlackRock Advisors (UK) Limited	26-May-17	yes	5.15	on mkt buy	AUD	ord	47,472	47,472
BlackRock Fund Advisors	26-May-17	no	n/a	in specie	AUD	ord	27,168	27,168
BlackRock Fund Advisors	26-May-17	no	n/a	in specie	AUD	ord	33,916	33,916
BlackRock Fund Advisors	26-May-17	no	n/a	in specie	AUD	ord	18,921	18,921
BlackRock Fund Advisors	26-May-17	no	n/a	in specie	AUD	ord	2,040	2,040
BlackRock Fund Advisors	26-May-17	no	n/a	in specie	AUD	ord	1,481	1,481
BlackRock Institutional Trust Company, National Association	26-May-17	no	n/a	in specie	AUD	ord	866,715	866,715

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	26-May-17	no	n/a	in specie	AUD	ord	116,076	116,076
BlackRock Investment Management (UK) Limited	26-May-17	no	n/a	in specie	AUD	ord	31,305	31,305
BlackRock Advisors, LLC	26-May-17	no	n/a	in specie	AUD	ord	235,604	235,604
BlackRock Advisors (UK) Limited	29-May-17	yes	5.07	on mkt buy	AUD	ord	16,325	16,325
BlackRock Investment Management (Australia) Limited	30-May-17	yes	5.07	on mkt buy	AUD	ord	155,668	155,668
BlackRock Advisors (UK) Limited	30-May-17	yes	5.08	on mkt buy	AUD	ord	16,324	16,324
BlackRock Fund Advisors	30-May-17	no	n/a	in specie	AUD	ord	437	437
BlackRock Fund Advisors	30-May-17	no	n/a	in specie	AUD	ord	76,311	76,311
BlackRock Fund Advisors	30-May-17	no	n/a	in specie	AUD	ord	33,916	33,916
BlackRock Japan Co., Ltd.	30-May-17	no	n/a	collateral transfer	AUD	ord	162,366	162,366
BlackRock Financial Management, Inc.	31-May-17	yes	5.06	on mkt buy	AUD	ord	225	225
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	21,013	21,013
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	83,736	83,736
BlackRock Fund Advisors	31-May-17	yes	5.05	on mkt buy	AUD	ord	4,803	4,803
BlackRock Fund Advisors	31-May-17	yes	5.05	on mkt buy	AUD	ord	4,894	4,894
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	2,722	2,722
BlackRock Advisors (UK) Limited	31-May-17	yes	5.05	on mkt buy	AUD	ord	11,816	11,816
BlackRock Advisors (UK) Limited	31-May-17	yes	5.06	on mkt buy	AUD	ord	11,816	11,816
BlackRock Advisors (UK) Limited	31-May-17	yes	5.05	on mkt buy	AUD	ord	2,879	2,879
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	5,871	5,871
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	23,395	23,395
BlackRock Fund Advisors	31-May-17	yes	5.05	on mkt buy	AUD	ord	1,341	1,341
BlackRock Fund Advisors	31-May-17	yes	5.05	on mkt buy	AUD	ord	1,367	1,367
BlackRock (Netherlands) B.V.	31-May-17	yes	5.05	on mkt buy	AUD	ord	638	638
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	760	760
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	429	429
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	17,355	17,355
BlackRock Asset Management Canada Limited	31-May-17	yes	5.05	on mkt buy	AUD	ord	3,392	3,392
BlackRock Advisors (UK) Limited	31-May-17	yes	5.05	on mkt buy	AUD	ord	14,490	14,490
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	29,533	29,533
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	117,687	117,687
BlackRock Fund Advisors	31-May-17	yes	5.05	on mkt buy	AUD	ord	6,752	6,752
BlackRock Fund Advisors	31-May-17	yes	5.05	on mkt buy	AUD	ord	6,879	6,879
BlackRock (Netherlands) B.V.	31-May-17	yes	5.05	on mkt buy	AUD	ord	3,215	3,215
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	3,825	3,825
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	2,164	2,164
BlackRock Institutional Trust Company, National Association	31-May-17	yes	5.05	on mkt buy	AUD	ord	87,308	87,308
BlackRock Asset Management Canada Limited	31-May-17	yes	5.05	on mkt buy	AUD	ord	17,059	17,059
BlackRock Investment Management (UK) Limited	31-May-17	yes	5.05	on mkt buy	AUD	ord	9,628	9,628
BlackRock Japan Co., Ltd.	31-May-17	no	n/a	collateral transfer	AUD	ord	116,046	116,046
BlackRock Advisors (UK) Limited	01-Jun-17	yes	5.08	on mkt buy	AUD	ord	18,000	18,000
BlackRock Advisors (UK) Limited	01-Jun-17	yes	5.08	on mkt buy	AUD	ord	6,503	6,503
BlackRock Investment Management (Australia) Limited	01-Jun-17	yes	5.08	on mkt buy	AUD	ord	24,183	24,183
BlackRock Advisors (UK) Limited	02-Jun-17	yes	5.12	on mkt buy	AUD	ord	5,908	5,908
BlackRock Institutional Trust Company, National Association	02-Jun-17	yes	5.12	on mkt buy	AUD	ord	322,259	322,259
BlackRock Advisors (UK) Limited	02-Jun-17	no	n/a	collateral transfer	AUD	ord	54,147	54,147
BlackRock Institutional Trust Company, National Association	06-Jun-17	yes	5.01	on mkt buy	AUD	ord	215,034	215,034
BlackRock Advisors (UK) Limited	06-Jun-17	yes	5.00	on mkt buy	AUD	ord	11,820	11,820
BlackRock Fund Advisors	06-Jun-17	no	n/a	in specie	AUD	ord	59,353	59,353
BlackRock Advisors (UK) Limited	07-Jun-17	yes	4.98	on mkt buy	AUD	ord	5,383	5,383

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			Cash	Non-cash	CCY			
BlackRock Fund Advisors	07-Jun-17	no	n/a	in specie	AUD	ord	18,538	18,538
BlackRock Fund Advisors	07-Jun-17	no	n/a	in specie	AUD	ord	14,816	14,816
BlackRock Investment Management (UK) Limited	07-Jun-17	no	n/a	in specie	AUD	ord	143,031	143,031
BlackRock Investment Management (UK) Limited	07-Jun-17	no	n/a	in specie	AUD	ord	537,215	537,215
BlackRock Advisors (UK) Limited	08-Jun-17	yes	4.97	on mkt buy	AUD	ord	5,999	5,999
BlackRock Fund Advisors	08-Jun-17	no	n/a	in specie	AUD	ord	4,991	4,991
BlackRock Investment Management (UK) Limited	09-Jun-17	yes	4.93	on mkt buy	AUD	ord	33,799	33,799
BlackRock Advisors (UK) Limited	09-Jun-17	yes	4.99	on mkt buy	AUD	ord	1,640	1,640
BlackRock Advisors (UK) Limited	09-Jun-17	no	n/a	collateral transfer	AUD	ord	104,776	104,776
BlackRock Fund Advisors	12-Jun-17	no	n/a	in specie	AUD	ord	16,958	16,958
BlackRock Advisors (UK) Limited	13-Jun-17	yes	5.03	on mkt buy	AUD	ord	29,995	29,995
BlackRock Advisors (UK) Limited	13-Jun-17	yes	5.03	on mkt buy	AUD	ord	1,236	1,236
BlackRock Fund Advisors	13-Jun-17	no	n/a	in specie	AUD	ord	42,395	42,395
BlackRock Advisors (UK) Limited	14-Jun-17	yes	5.10	on mkt buy	AUD	ord	23,996	23,996
BlackRock Advisors (UK) Limited	14-Jun-17	yes	5.10	on mkt buy	AUD	ord	4,650	4,650
BlackRock Advisors (UK) Limited	14-Jun-17	yes	5.10	on mkt buy	AUD	ord	614	614
BlackRock Advisors (UK) Limited	14-Jun-17	yes	5.10	on mkt buy	AUD	ord	149,975	149,975
BlackRock Investment Management (Australia) Limited	14-Jun-17	yes	5.10	on mkt buy	AUD	ord	114,086	114,086
BlackRock Fund Advisors	14-Jun-17	no	n/a	in specie	AUD	ord	6,417	6,417
BlackRock Fund Advisors	14-Jun-17	no	n/a	in specie	AUD	ord	33,825	33,825
BlackRock Japan Co., Ltd.	14-Jun-17	no	n/a	collateral transfer	AUD	ord	23,653	23,653
BlackRock Advisors (UK) Limited	15-Jun-17	yes	5.01	on mkt buy	AUD	ord	17,997	17,997
BlackRock Advisors (UK) Limited	15-Jun-17	yes	5.01	on mkt buy	AUD	ord	6,510	6,510
BlackRock Advisors (UK) Limited	15-Jun-17	yes	5.01	on mkt buy	AUD	ord	659,890	659,890
BlackRock Fund Advisors	15-Jun-17	no	n/a	in specie	AUD	ord	2,962	2,962
BlackRock Advisors (UK) Limited	15-Jun-17	no	n/a	collateral transfer	AUD	ord	330,000	330,000
BlackRock Investment Management (Australia) Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	33,780	33,780
BlackRock Advisors (UK) Limited	16-Jun-17	yes	5.07	on mkt buy	AUD	ord	6,510	6,510
BlackRock Advisors (UK) Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	38,330	38,330
BlackRock (Singapore) Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	4,477	4,477
BlackRock Investment Management (UK) Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	60,511	60,511
BlackRock Advisors (UK) Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	59,990	59,990
BlackRock Investment Management (UK) Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	42,986	42,986
BlackRock Advisors (UK) Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	32,313	32,313
BlackRock (Singapore) Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	3,775	3,775
BlackRock Asset Management Canada Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	17,216	17,216
BlackRock Institutional Trust Company, National Association	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	7,312	7,312
BlackRock Investment Management (UK) Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	51,014	51,014
BlackRock Asset Management Canada Limited	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	6,018	6,018
BlackRock Institutional Trust Company, National Association	16-Jun-17	yes	5.08	on mkt buy	AUD	ord	30,256	30,256
BlackRock Fund Advisors	16-Jun-17	no	n/a	in specie	AUD	ord	437	437
BlackRock Institutional Trust Company, National Association	16-Jun-17	no	n/a	in specie	AUD	ord	12,006	12,006
BlackRock Investment Management (Australia) Limited	19-Jun-17	yes	5.14	on mkt buy	AUD	ord	5,731	5,731
BlackRock Advisors (UK) Limited	19-Jun-17	yes	5.14	on mkt buy	AUD	ord	5,999	5,999
BlackRock Advisors (UK) Limited	19-Jun-17	yes	5.14	on mkt buy	AUD	ord	17,997	17,997
BlackRock Advisors (UK) Limited	19-Jun-17	yes	5.14	on mkt buy	AUD	ord	1,862	1,862
BlackRock Advisors (UK) Limited	19-Jun-17	yes	5.14	on mkt buy	AUD	ord	16,571	16,571
BlackRock Investment Management (Australia) Limited	19-Jun-17	yes	5.14	on mkt buy	AUD	ord	326,683	326,683
BlackRock Fund Advisors	19-Jun-17	no	n/a	in specie	AUD	ord	7,465	7,465
BlackRock Investment Management, LLC	20-Jun-17	yes	5.16	on mkt buy	AUD	ord	3,234	3,234
BlackRock Investment Management (Australia) Limited	20-Jun-17	yes	5.12	on mkt buy	AUD	ord	11,174	11,174
BlackRock Advisors (UK) Limited	20-Jun-17	yes	5.12	on mkt buy	AUD	ord	5,908	5,908
BlackRock Advisors (UK) Limited	20-Jun-17	yes	5.12	on mkt buy	AUD	ord	29,995	29,995
BlackRock Advisors (UK) Limited	20-Jun-17	yes	5.12	on mkt buy	AUD	ord	6,517	6,517
BlackRock Advisors (UK) Limited	20-Jun-17	yes	5.13	on mkt buy	AUD	ord	113,981	113,981

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			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	20-Jun-17	yes	5.12	on mkt buy	AUD	ord	253,999	253,999
BlackRock Advisors (UK) Limited	21-Jun-17	yes	5.05	on mkt buy	AUD	ord	2,664	2,664
BlackRock Advisors (UK) Limited	21-Jun-17	yes	5.05	on mkt buy	AUD	ord	17,997	17,997
BlackRock Fund Advisors	21-Jun-17	no	n/a	in specie	AUD	ord	4,479	4,479
BlackRock Fund Advisors	21-Jun-17	no	n/a	in specie	AUD	ord	23,830	23,830
BlackRock Advisors (UK) Limited	21-Jun-17	no	n/a	collateral transfer	AUD	ord	427	427
BlackRock Financial Management, Inc.	21-Jun-17	no	n/a	collateral transfer	AUD	ord	63	63
BlackRock Investment Management (UK) Limited	21-Jun-17	no	n/a	collateral transfer	AUD	ord	61,781	61,781
BlackRock Asset Management North Asia Limited	21-Jun-17	no	n/a	collateral transfer	AUD	ord	156	156
BlackRock Institutional Trust Company, National Association	22-Jun-17	no	n/a	in specie	AUD	ord	65,143	65,143
BlackRock Advisors (UK) Limited	22-Jun-17	yes	5.12	on mkt buy	AUD	ord	931	931
BlackRock Institutional Trust Company, National Association	22-Jun-17	yes	5.13	on mkt buy	AUD	ord	24,265	24,265
BlackRock Investment Management (UK) Limited	22-Jun-17	no	n/a	in specie	AUD	ord	547,203	547,203
BlackRock Investment Management (UK) Limited	22-Jun-17	no	n/a	in specie	AUD	ord	145,224	145,224
BlackRock Financial Management, Inc.	22-Jun-17	no	n/a	collateral transfer	AUD	ord	1	1
BlackRock Asset Management North Asia Limited	22-Jun-17	no	n/a	collateral transfer	AUD	ord	2	2
BlackRock Advisors (UK) Limited	23-Jun-17	yes	5.13	on mkt buy	AUD	ord	823	823
BlackRock Advisors (UK) Limited	23-Jun-17	yes	5.13	on mkt buy	AUD	ord	1,646	1,646
BlackRock Fund Advisors	23-Jun-17	no	n/a	in specie	AUD	ord	874	874
BlackRock Investment Management (UK) Limited	23-Jun-17	no	n/a	in specie	AUD	ord	291,479	291,479
BlackRock Investment Management (UK) Limited	23-Jun-17	no	n/a	in specie	AUD	ord	13,167	13,167
BlackRock Investment Management (UK) Limited	23-Jun-17	no	n/a	in specie	AUD	ord	128,981	128,981
BlackRock Investment Management (UK) Limited	23-Jun-17	no	n/a	in specie	AUD	ord	16,935	16,935
BlackRock Investment Management (UK) Limited	23-Jun-17	no	n/a	collateral transfer	AUD	ord	4	4
BlackRock Investment Management (UK) Limited	26-Jun-17	yes	5.12	on mkt buy	AUD	ord	14,657	14,657
BlackRock Fund Advisors	26-Jun-17	no	n/a	in specie	AUD	ord	22,110	22,110
BlackRock Fund Advisors	26-Jun-17	no	n/a	in specie	AUD	ord	25,059	25,059
BlackRock Asset Management North Asia Limited	26-Jun-17	no	n/a	collateral transfer	AUD	ord	2	2
BlackRock Asset Management Canada Limited	27-Jun-17	yes	5.18	on mkt buy	AUD	ord	3,002	3,002
BlackRock Investment Management (Australia) Limited	27-Jun-17	yes	5.20	on mkt buy	AUD	ord	1,734	1,734
BlackRock Advisors (UK) Limited	27-Jun-17	yes	5.20	on mkt buy	AUD	ord	5,999	5,999
BlackRock Institutional Trust Company, National Association	27-Jun-17	yes	5.20	on mkt buy	AUD	ord	159,362	159,362
BlackRock Fund Advisors	27-Jun-17	no	n/a	in specie	AUD	ord	66,330	66,330
BlackRock Fund Advisors	27-Jun-17	no	n/a	in specie	AUD	ord	28,743	28,743
BlackRock Financial Management, Inc.	27-Jun-17	no	n/a	collateral transfer	AUD	ord	1	1
BlackRock Asset Management North Asia Limited	27-Jun-17	no	n/a	collateral transfer	AUD	ord	1	1
BlackRock Fund Advisors	28-Jun-17	yes	5.25	on mkt buy	AUD	ord	60,884	60,884
BlackRock Institutional Trust Company, National Association	28-Jun-17	yes	5.25	on mkt buy	AUD	ord	105,314	105,314
BlackRock Fund Advisors	28-Jun-17	no	n/a	in specie	AUD	ord	33,165	33,165
BlackRock Investment Management (UK) Limited	28-Jun-17	no	n/a	collateral transfer	AUD	ord	7	7
BlackRock Advisors, LLC	29-Jun-17	yes	5.30	on mkt buy	AUD	ord	203,183	203,183
BlackRock Fund Advisors	29-Jun-17	no	n/a	in specie	AUD	ord	33,165	33,165
BlackRock Fund Advisors	29-Jun-17	no	n/a	in specie	AUD	ord	33,165	33,165
BlackRock Investment Management (UK) Limited	29-Jun-17	no	n/a	collateral transfer	AUD	ord	11	11
BlackRock Advisors (UK) Limited	30-Jun-17	yes	5.19	on mkt buy	AUD	ord	1,646	1,646
BlackRock Asset Management Canada Limited	30-Jun-17	yes	5.19	on mkt buy	AUD	ord	55,447	55,447
BlackRock Investment Management (UK) Limited	30-Jun-17	yes	5.19	on mkt buy	AUD	ord	23,339	23,339

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	30-Jun-17	yes	5.19	on mkt buy	AUD	ord	14,342	14,342
BlackRock Fund Advisors	30-Jun-17	no	n/a	in specie	AUD	ord	88,440	88,440
BlackRock Fund Advisors	30-Jun-17	no	n/a	in specie	AUD	ord	33,165	33,165
BlackRock Fund Advisors	30-Jun-17	no	n/a	in specie	AUD	ord	55,275	55,275
BlackRock Advisors (UK) Limited	30-Jun-17	no	n/a	collateral transfer	AUD	ord	136,575	136,575
BlackRock Asset Management North Asia Limited	30-Jun-17	no	n/a	collateral transfer	AUD	ord	5	5
BlackRock Fund Advisors	03-Jul-17	no	n/a	in specie	AUD	ord	4,293	4,293
BlackRock Advisors, LLC	03-Jul-17	no	n/a	in specie	AUD	ord	221,684	221,684
BlackRock Investment Management (UK) Limited	03-Jul-17	no	n/a	collateral transfer	AUD	ord	12	12
BlackRock Investment Management (UK) Limited	05-Jul-17	yes	5.25	on mkt buy	AUD	ord	4,395	4,395
BlackRock Advisors (UK) Limited	05-Jul-17	yes	5.21	on mkt buy	AUD	ord	814	814
BlackRock Investment Management (Australia) Limited	05-Jul-17	yes	5.21	on mkt buy	AUD	ord	39,222	39,222
BlackRock Fund Advisors	05-Jul-17	yes	5.21	on mkt buy	AUD	ord	15,539	15,539
BlackRock Investment Management (Australia) Limited	05-Jul-17	yes	5.21	on mkt buy	AUD	ord	14,452	14,452
BlackRock Investment Management (Australia) Limited	05-Jul-17	yes	5.21	on mkt buy	AUD	ord	13,165	13,165
BlackRock Investment Management (Australia) Limited	05-Jul-17	yes	5.21	on mkt buy	AUD	ord	11,130	11,130
BlackRock Fund Advisors	05-Jul-17	no	n/a	in specie	AUD	ord	12,964	12,964
BlackRock Fund Advisors	05-Jul-17	no	n/a	in specie	AUD	ord	44,220	44,220
BlackRock Financial Management, Inc.	05-Jul-17	no	n/a	collateral transfer	AUD	ord	4	4
BlackRock Asset Management North Asia Limited	05-Jul-17	no	n/a	collateral transfer	AUD	ord	12	12
BlackRock Fund Advisors	06-Jul-17	yes	5.23	on mkt buy	AUD	ord	17,238	17,238
BlackRock Institutional Trust Company, National Association	06-Jul-17	yes	5.19	on mkt buy	AUD	ord	48,319	48,319
BlackRock Fund Advisors	06-Jul-17	yes	5.19	on mkt buy	AUD	ord	23,611	23,611
BlackRock Fund Advisors	06-Jul-17	no	n/a	in specie	AUD	ord	33,165	33,165
BlackRock Asset Management North Asia Limited	07-Jul-17	yes	5.16	on mkt buy	AUD	ord	4,100	4,100
BlackRock Advisors (UK) Limited	07-Jul-17	yes	5.15	on mkt buy	AUD	ord	11,824	11,824
BlackRock Institutional Trust Company, National Association	07-Jul-17	yes	5.15	on mkt buy	AUD	ord	220,915	220,915
BlackRock Fund Advisors	07-Jul-17	yes	5.15	on mkt buy	AUD	ord	82,488	82,488
BlackRock Institutional Trust Company, National Association	07-Jul-17	yes	5.15	on mkt buy	AUD	ord	48,773	48,773
BlackRock Institutional Trust Company, National Association	07-Jul-17	yes	5.15	on mkt buy	AUD	ord	14,621	14,621
BlackRock (Netherlands) B.V.	07-Jul-17	yes	5.15	on mkt buy	AUD	ord	5,394	5,394
BlackRock Fund Advisors	07-Jul-17	no	n/a	in specie	AUD	ord	88,440	88,440
BlackRock Fund Advisors	07-Jul-17	no	n/a	in specie	AUD	ord	44,220	44,220
BlackRock Fund Advisors	07-Jul-17	no	n/a	in specie	AUD	ord	139,293	139,293
BlackRock Investment Management (UK) Limited	07-Jul-17	no	n/a	in specie	AUD	ord	13,289	13,289
BlackRock Advisors (UK) Limited	07-Jul-17	no	n/a	collateral transfer	AUD	ord	30,769	30,769
BlackRock Advisors (UK) Limited	10-Jul-17	yes	5.20	on mkt buy	AUD	ord	1,628	1,628
BlackRock Fund Advisors	10-Jul-17	yes	5.20	on mkt buy	AUD	ord	12,710	12,710
BlackRock Fund Advisors	10-Jul-17	no	n/a	in specie	AUD	ord	4,293	4,293
BlackRock Advisors (UK) Limited	11-Jul-17	yes	5.18	on mkt buy	AUD	ord	7,440	7,440
BlackRock Advisors (UK) Limited	11-Jul-17	no	n/a	collateral transfer	AUD	ord	14,091	14,091
BlackRock Advisors (UK) Limited	12-Jul-17	yes	5.17	on mkt buy	AUD	ord	22,267	22,267
BlackRock Advisors (UK) Limited	12-Jul-17	yes	5.17	on mkt buy	AUD	ord	11,537	11,537
BlackRock Investment Management (Australia) Limited	12-Jul-17	yes	5.17	on mkt buy	AUD	ord	17,418	17,418
BlackRock Advisors (UK) Limited	12-Jul-17	no	n/a	collateral transfer	AUD	ord	165,909	165,909
BlackRock Financial Management, Inc.	13-Jul-17	yes	5.24	on mkt buy	AUD	ord	46,971	46,971
BlackRock Fund Advisors	13-Jul-17	no	n/a	in specie	AUD	ord	7,070	7,070
BlackRock Advisors (UK) Limited	14-Jul-17	yes	5.31	on mkt buy	AUD	ord	5,953	5,953
BlackRock Advisors (UK) Limited	14-Jul-17	yes	5.31	on mkt buy	AUD	ord	2,445	2,445
BlackRock Fund Advisors	14-Jul-17	no	n/a	in specie	AUD	ord	26,532	26,532
BlackRock Fund Advisors	17-Jul-17	no	n/a	in specie	AUD	ord	7,408	7,408
BlackRock Investment Management (UK) Limited	18-Jul-17	yes	5.26	on mkt buy	AUD	ord	38,402	38,402
BlackRock Fund Advisors	18-Jul-17	no	n/a	in specie	AUD	ord	22,110	22,110

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-Jul-17	yes		5.23	on mkt buy	AUD	ord	2,168	2,168
BlackRock Financial Management, Inc.	19-Jul-17	yes		5.23	on mkt buy	AUD	ord	18,756	18,756
BlackRock Investment Management (Australia) Limited	19-Jul-17	yes		5.21	on mkt buy	AUD	ord	2,628	2,628
BlackRock Fund Advisors	19-Jul-17	yes		5.21	on mkt buy	AUD	ord	11,528	11,528
BlackRock Fund Advisors	19-Jul-17	no	n/a		in specie	AUD	ord	33,165	33,165
BlackRock Advisors (UK) Limited	20-Jul-17	yes		5.17	on mkt buy	AUD	ord	17,859	17,859
BlackRock Advisors (UK) Limited	20-Jul-17	yes		5.17	on mkt buy	AUD	ord	12,000	12,000
BlackRock Advisors (UK) Limited	20-Jul-17	yes		5.17	on mkt buy	AUD	ord	2,445	2,445
BlackRock Fund Advisors	20-Jul-17	no	n/a		in specie	AUD	ord	55,275	55,275
BlackRock Fund Advisors	20-Jul-17	no	n/a		in specie	AUD	ord	437	437
BlackRock Investment Management (Australia) Limited	21-Jul-17	yes		5.27	on mkt buy	AUD	ord	25,671	25,671
BlackRock Fund Advisors	21-Jul-17	no	n/a		in specie	AUD	ord	5,556	5,556
BlackRock Fund Advisors	21-Jul-17	no	n/a		in specie	AUD	ord	33,165	33,165
BlackRock Fund Advisors	21-Jul-17	no	n/a		in specie	AUD	ord	16,218	16,218
BlackRock Fund Advisors	21-Jul-17	no	n/a		in specie	AUD	ord	12,792	12,792
BlackRock Investment Management (UK) Limited	24-Jul-17	no	n/a		in specie	AUD	ord	112,555	112,555
BlackRock Japan Co., Ltd.	24-Jul-17	yes		5.27	on mkt buy	AUD	ord	174,616	174,616
BlackRock Advisors, LLC	25-Jul-17	yes		5.27	on mkt buy	AUD	ord	16,276	16,276
BlackRock Fund Advisors	25-Jul-17	no	n/a		in specie	AUD	ord	8,844	8,844
BlackRock Advisors (UK) Limited	25-Jul-17	no	n/a		collateral transfer	AUD	ord	97,965	97,965
BlackRock Advisors, LLC	26-Jul-17	yes		5.32	on mkt buy	AUD	ord	111,078	111,078
BlackRock Fund Advisors	26-Jul-17	no	n/a		in specie	AUD	ord	2,830	2,830
BlackRock Fund Advisors	27-Jul-17	no	n/a		in specie	AUD	ord	25,381	25,381
BlackRock Fund Advisors	28-Jul-17	yes		5.34	on mkt buy	AUD	ord	17,625	17,625
BlackRock Fund Advisors	28-Jul-17	no	n/a		in specie	AUD	ord	2,830	2,830
BlackRock Fund Advisors	28-Jul-17	no	n/a		in specie	AUD	ord	12,964	12,964
BlackRock Fund Advisors	28-Jul-17	no	n/a		in specie	AUD	ord	16,668	16,668
BlackRock Investment Management (UK) Limited	28-Jul-17	no	n/a		in specie	AUD	ord	95,548	95,548
BlackRock Investment Management (Australia) Limited	31-Jul-17	yes		5.39	on mkt buy	AUD	ord	13,504	13,504
BlackRock Fund Advisors	31-Jul-17	yes		5.39	on mkt buy	AUD	ord	7,128	7,128
BlackRock Institutional Trust Company, National Association	31-Jul-17	yes		5.39	on mkt buy	AUD	ord	2,887	2,887
BlackRock Fund Advisors	31-Jul-17	no	n/a		in specie	AUD	ord	39,702	39,702
BlackRock Investment Management (Australia) Limited	01-Aug-17	yes		5.46	on mkt buy	AUD	ord	16,871	16,871
BlackRock Investment Management, LLC	01-Aug-17	yes		5.47	on mkt buy	AUD	ord	22,599	22,599
BlackRock Institutional Trust Company, National Association	01-Aug-17	no	n/a		in specie	AUD	ord	13,749	13,749
BlackRock Advisors (UK) Limited	02-Aug-17	yes		5.46	on mkt buy	AUD	ord	5,954	5,954
BlackRock Investment Management (UK) Limited	02-Aug-17	yes		5.46	on mkt buy	AUD	ord	4,928	4,928
BlackRock Investment Management (UK) Limited	03-Aug-17	no	n/a		in specie	AUD	ord	110,642	110,642
BlackRock Fund Advisors	03-Aug-17	no	n/a		in specie	AUD	ord	26,532	26,532
BlackRock Advisors (UK) Limited	04-Aug-17	yes		5.37	on mkt buy	AUD	ord	5,956	5,956
BlackRock Investment Management (Australia) Limited	07-Aug-17	yes		5.39	on mkt buy	AUD	ord	23,632	23,632
BlackRock Investment Management (Australia) Limited	07-Aug-17	yes		5.39	on mkt buy	AUD	ord	5,256	5,256
BlackRock Advisors (UK) Limited	07-Aug-17	yes		5.39	on mkt buy	AUD	ord	5,999	5,999
BlackRock Investment Management (Australia) Limited	07-Aug-17	yes		5.39	on mkt buy	AUD	ord	25,387	25,387
BlackRock Investment Management (Australia) Limited	08-Aug-17	yes		5.36	on mkt buy	AUD	ord	2,628	2,628
BlackRock Advisors (UK) Limited	08-Aug-17	yes		5.36	on mkt buy	AUD	ord	5,958	5,958
BlackRock Advisors (UK) Limited	08-Aug-17	yes		5.36	on mkt buy	AUD	ord	17,874	17,874
BlackRock Institutional Trust Company, National Association	08-Aug-17	yes		5.36	on mkt buy	AUD	ord	90,454	90,454
BlackRock Fund Advisors	08-Aug-17	no	n/a		in specie	AUD	ord	2,862	2,862
BlackRock Advisors (UK) Limited	08-Aug-17	no	n/a		collateral transfer	AUD	ord	657,805	657,805
BlackRock Fund Advisors	09-Aug-17	yes		5.34	on mkt buy	AUD	ord	1,278	1,278
BlackRock Investment Management, LLC	09-Aug-17	yes		5.40	on mkt buy	AUD	ord	4,765	4,765
BlackRock Advisors (UK) Limited	09-Aug-17	yes		5.41	on mkt buy	AUD	ord	1,644	1,644
BlackRock Investment Management (Australia) Limited	09-Aug-17	yes		5.41	on mkt buy	AUD	ord	22,736	22,736
BlackRock Fund Advisors	09-Aug-17	no	n/a		in specie	AUD	ord	437	437
BlackRock Investment Management (UK) Limited	09-Aug-17	no	n/a		in specie	AUD	ord	7,657	7,657

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 Fund Advisors	09-Aug-17	no	n/a	in specie	AUD	ord	4,320	4,320
BlackRock Investment Management (Australia) Limited	10-Aug-17	yes	5.27	on mkt buy	AUD	ord	11,168	11,168
BlackRock Investment Management (Australia) Limited	10-Aug-17	yes	5.27	on mkt buy	AUD	ord	5,584	5,584
BlackRock Asset Management Canada Limited	10-Aug-17	yes	5.27	on mkt buy	AUD	ord	17,147	17,147
BlackRock Advisors (UK) Limited	11-Aug-17	yes	5.09	on mkt buy	AUD	ord	62,452	62,452
BlackRock Fund Advisors	11-Aug-17	no	n/a	in specie	AUD	ord	26,468	26,468
BlackRock Investment Management (UK) Limited	11-Aug-17	no	n/a	in specie	AUD	ord	34,605	34,605
BlackRock Japan Co., Ltd.	11-Aug-17	no	n/a	collateral transfer	AUD	ord	1	1
BlackRock Advisors (UK) Limited	14-Aug-17	no	n/a	in specie	AUD	ord	28,178	28,178
BlackRock Fund Advisors	14-Aug-17	no	n/a	in specie	AUD	ord	47,816	47,816
BlackRock Advisors (UK) Limited	14-Aug-17	no	n/a	collateral transfer	AUD	ord	254,071	254,071
BlackRock Asset Management North Asia Limited	15-Aug-17	yes	5.08	on mkt buy	AUD	ord	6,557	6,557
BlackRock Investment Management (UK) Limited	15-Aug-17	yes	5.10	on mkt buy	AUD	ord	4,457	4,457
BlackRock (Netherlands) B.V.	15-Aug-17	yes	5.07	on mkt buy	AUD	ord	1,203	1,203
BlackRock Investment Management (Australia) Limited	16-Aug-17	yes	5.09	on mkt buy	AUD	ord	321,502	321,502
BlackRock Investment Management (UK) Limited	16-Aug-17	yes	5.08	on mkt buy	AUD	ord	1,299	1,299
BlackRock Investment Management, LLC	16-Aug-17	yes	5.11	on mkt buy	AUD	ord	12,433	12,433
BlackRock Advisors (UK) Limited	16-Aug-17	yes	5.11	on mkt buy	AUD	ord	4,645	4,645
BlackRock Fund Advisors	16-Aug-17	no	n/a	in specie	AUD	ord	52,936	52,936
BlackRock Advisors (UK) Limited	17-Aug-17	yes	5.13	on mkt buy	AUD	ord	15,298	15,298
BlackRock Investment Management (Australia) Limited	17-Aug-17	yes	5.15	on mkt buy	AUD	ord	26,994	26,994
BlackRock Investment Management (Australia) Limited	17-Aug-17	yes	5.15	on mkt buy	AUD	ord	18,872	18,872
BlackRock Fund Advisors	17-Aug-17	no	n/a	in specie	AUD	ord	23,908	23,908
BlackRock Financial Management, Inc.	18-Aug-17	yes	5.13	on mkt buy	AUD	ord	185	185
BlackRock Advisors (UK) Limited	18-Aug-17	yes	5.13	on mkt buy	AUD	ord	6,025	6,025
BlackRock Fund Advisors	18-Aug-17	no	n/a	in specie	AUD	ord	17,800	17,800
BlackRock Fund Advisors	22-Aug-17	no	n/a	in specie	AUD	ord	17,676	17,676
BlackRock Advisors (UK) Limited	22-Aug-17	no	n/a	collateral transfer	AUD	ord	20,432	20,432
BlackRock Investment Management (Australia) Limited	23-Aug-17	yes	4.97	on mkt buy	AUD	ord	99,180	99,180
BlackRock Advisors (UK) Limited	23-Aug-17	yes	4.96	on mkt buy	AUD	ord	3,720	3,720
BlackRock Advisors (UK) Limited	23-Aug-17	yes	4.96	on mkt buy	AUD	ord	824	824
BlackRock Advisors (UK) Limited	23-Aug-17	yes	4.96	on mkt buy	AUD	ord	1,648	1,648
BlackRock Asset Management North Asia Limited	24-Aug-17	yes	4.95	on mkt buy	AUD	ord	5,931	5,931
BlackRock Investment Management (UK) Limited	24-Aug-17	yes	4.94	on mkt buy	AUD	ord	704	704
BlackRock Fund Advisors	24-Aug-17	no	n/a	in specie	AUD	ord	26,532	26,532
BlackRock Fund Advisors	24-Aug-17	no	n/a	in specie	AUD	ord	44,190	44,190
BlackRock Advisors (UK) Limited	25-Aug-17	yes	5.00	on mkt buy	AUD	ord	1,255	1,255
BlackRock Advisors (UK) Limited	25-Aug-17	yes	5.02	on mkt buy	AUD	ord	2,510	2,510
BlackRock Fund Advisors	25-Aug-17	yes	5.02	on mkt buy	AUD	ord	54,992	54,992
BlackRock Advisors (UK) Limited	25-Aug-17	yes	5.00	on mkt buy	AUD	ord	5,990	5,990
BlackRock Advisors (UK) Limited	25-Aug-17	yes	5.02	on mkt buy	AUD	ord	1,255	1,255
BlackRock Fund Advisors	25-Aug-17	no	n/a	in specie	AUD	ord	97,218	97,218
BlackRock Investment Management (UK) Limited	25-Aug-17	no	n/a	in specie	AUD	ord	22,859	22,859
BlackRock Investment Management (UK) Limited	25-Aug-17	no	n/a	in specie	AUD	ord	149,386	149,386
BlackRock Investment Management (Australia) Limited	28-Aug-17	yes	4.99	on mkt buy	AUD	ord	24,678	24,678
BlackRock Fund Advisors	28-Aug-17	no	n/a	in specie	AUD	ord	29,860	29,860
BlackRock Investment Management (UK) Limited	29-Aug-17	yes	4.96	on mkt buy	AUD	ord	808	808
BlackRock Fund Advisors	29-Aug-17	no	n/a	in specie	AUD	ord	33,165	33,165
BlackRock Fund Advisors	29-Aug-17	no	n/a	in specie	AUD	ord	26,514	26,514
BlackRock Fund Advisors	29-Aug-17	no	n/a	in specie	AUD	ord	5,760	5,760
BlackRock Asset Management North Asia Limited	30-Aug-17	yes	5.01	on mkt buy	AUD	ord	781	781
BlackRock Investment Management (Australia) Limited	30-Aug-17	yes	5.01	on mkt buy	AUD	ord	58,012	58,012
BlackRock Japan Co., Ltd.	30-Aug-17	yes	5.03	on mkt buy	AUD	ord	23,787	23,787

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	30-Aug-17	yes	5.04	on mkt buy	AUD	ord	931	931
BlackRock Advisors (UK) Limited	30-Aug-17	yes	5.04	on mkt buy	AUD	ord	824	824
BlackRock Advisors (UK) Limited	30-Aug-17	yes	5.04	on mkt buy	AUD	ord	1,862	1,862
BlackRock Investment Management (UK) Limited	30-Aug-17	no	n/a	in specie	AUD	ord	2,764	2,764
BlackRock Advisors (UK) Limited	30-Aug-17	no	n/a	in specie	AUD	ord	3,416	3,416
BlackRock Investment Management, LLC	31-Aug-17	yes	5.07	on mkt buy	AUD	ord	1,947	1,947
BlackRock Investment Management (Australia) Limited	31-Aug-17	yes	5.10	on mkt buy	AUD	ord	20,256	20,256
BlackRock Investment Management (Australia) Limited	31-Aug-17	yes	5.10	on mkt buy	AUD	ord	23,960	23,960
BlackRock (Netherlands) B.V.	31-Aug-17	yes	5.10	on mkt buy	AUD	ord	12,925	12,925
BlackRock Fund Advisors	31-Aug-17	yes	5.10	on mkt buy	AUD	ord	17,461	17,461
BlackRock Institutional Trust Company, National Association	31-Aug-17	yes	5.10	on mkt buy	AUD	ord	28,366	28,366
BlackRock Institutional Trust Company, National Association	31-Aug-17	yes	5.10	on mkt buy	AUD	ord	133,469	133,469
BlackRock Japan Co., Ltd.	31-Aug-17	yes	5.10	on mkt buy	AUD	ord	2,687	2,687
BlackRock Advisors (UK) Limited	01-Sep-17	yes	5.05	on mkt buy	AUD	ord	4,645	4,645
BlackRock Advisors, LLC	01-Sep-17	no	n/a	in specie	AUD	ord	197,571	197,571
BlackRock Advisors (UK) Limited	01-Sep-17	no	n/a	collateral transfer	AUD	ord	34,335	34,335
BlackRock Investment Management (UK) Limited	04-Sep-17	yes	5.08	on mkt buy	AUD	ord	1,159	1,159
BlackRock Investment Management (UK) Limited	04-Sep-17	no	n/a	in specie	AUD	ord	8,937	8,937
BlackRock Advisors (UK) Limited	05-Sep-17	yes	5.02	on mkt buy	AUD	ord	1,247	1,247
BlackRock Investment Management (UK) Limited	06-Sep-17	yes	4.98	on mkt buy	AUD	ord	5,146	5,146
BlackRock Advisors (UK) Limited	06-Sep-17	yes	4.98	on mkt buy	AUD	ord	831	831
BlackRock Fund Advisors	06-Sep-17	no	n/a	in specie	AUD	ord	33,165	33,165
BlackRock Fund Advisors	06-Sep-17	no	n/a	in specie	AUD	ord	39,288	39,288
BlackRock Advisors (UK) Limited	07-Sep-17	yes	5.00	on mkt buy	AUD	ord	4,155	4,155
BlackRock Investment Management (Australia) Limited	07-Sep-17	yes	5.00	on mkt buy	AUD	ord	30,555	30,555
BlackRock Advisors (UK) Limited	07-Sep-17	no	n/a	in specie	AUD	ord	5,915	5,915
BlackRock Asset Management North Asia Limited	08-Sep-17	yes	4.92	on mkt buy	AUD	ord	8,503	8,503
BlackRock Advisors (UK) Limited	08-Sep-17	yes	4.90	on mkt buy	AUD	ord	12,072	12,072
BlackRock Advisors (UK) Limited	08-Sep-17	yes	4.90	on mkt buy	AUD	ord	6,503	6,503
BlackRock Advisors (UK) Limited	08-Sep-17	yes	4.90	on mkt buy	AUD	ord	5,574	5,574
BlackRock Fund Advisors	08-Sep-17	no	n/a	in specie	AUD	ord	874	874
BlackRock Fund Advisors	08-Sep-17	no	n/a	in specie	AUD	ord	4,245	4,245
BlackRock Fund Advisors	08-Sep-17	no	n/a	in specie	AUD	ord	77,385	77,385
BlackRock Fund Advisors	08-Sep-17	no	n/a	in specie	AUD	ord	16,218	16,218

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

12-Sep-17
Date

Kayla Mulvihill,
Authorised Signatory

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 (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
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 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)

Annexure D

This is Annexure D of 1 page referred to in form 603 Notice of initial substantial shareholder

Kayla Mulvihill, Authorised Signatory 12-Sep-17
Date

Type of agreement:	Global Master Securities Lending Agreement
Parties to agreement:	Party A - Citigroup Global Markets Limited Party B - HSBC Institutional Trust Services (Asia) Limited
Transfer date:	Refer to Annexure B (transactions identified as collateral transfers)
Holder of voting rights:	BlackRock Asset Management North Asia Limited (as investment manager for the funds)
Are there any restrictions on voting rights? If yes, detail	Yes. Unless otherwise agreed between the parties, the Registered Owner will not exercise any voting rights.
Scheduled return date (if any):	Not applicable.
Does the borrower have the right to return early? If yes, detail	Yes. Upon an Event of Default under the GMSLA, the GMSLA provides, broadly, that both parties payment and delivery obligations will be accelerated and replaced with an obligation of one party to pay a single cash sum to the other determined in accordance with the provisions of the GMSLA (as modified by the Annex). The GMSLA provides that the parties' right to terminate the Agreement upon notice will not affect the parties' existing obligations in respect of any outstanding loans of securities. The Annex amended and restricted the Borrower's termination rights – i.e. Borrower may not have the right to terminate and return the borrowed securities - as the Borrower was to borrow the securities issued by it (or its sister company) to provide protection against the insolvency of the issuer and so usual rights of termination in a GMSLA were restricted. Subject to the terms of the relevant Loan, the Borrower, may early terminate a Loan and return Equivalent Securities at any time provided that it "shall cease to have such entitlement if an Act of Insolvency with respect to any Security Issuer or any of the Borrower's or any Security Issuer's affiliates has occurred, or any such person takes any steps preparatory to any of the matters which would constitute an Act of Insolvency
Does the lender have the right to recall early? If yes, detail	Yes, at notice.
Will the securities be returned on settlement? If yes, detail any exceptions	Yes.

A copy of this agreement will be provided to AMP LTD or the Australian Securities and Investments Commission upon request.