

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 / /

* 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.

13-Mar-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		ord4,745	4,745	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		ord14,095	14,095	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		ord44,932	44,932	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 LONDON		ord779	779	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		ord901,930	901,930	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.	CB-CACEIS BANK LUXEMBOURG		ord194	194	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		ord24,056	24,056	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		ord175,282	175,282	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		ord101,556	101,556	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-DEXIA BIL- LONDON		ord57,970	57,970	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		ord939,710	939,710	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		ord1,836	1,836	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		ord17,744	17,744	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		ord142,403	142,403	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		ord2,312	2,312	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		ord148,246	148,246	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		ord3,211	3,211	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 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 1,199	1,199	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 419	419	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 6,450	6,450	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 47,894	47,894	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 6,002	6,002	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 27,556	27,556	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 19,636	19,636	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 199	199	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 15,232	15,232	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 13,310	13,310	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 44,340	44,340	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 17,178	17,178	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 5,174,100	5,174,100	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 420,805	420,805	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 7,381	7,381	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.	CS-CREDIT SUISSE PRIME BROKERAGE - ZURICH		ord 586	586	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 57,490	57,490	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 111,142	111,142	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 BOSTON INSTITUTIONAL		ord 6,499	6,499	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 230,508	230,508	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 138,360	138,360	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-STATE STREET BANK, BOSTON		ord 20,860	20,860	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 LONDON		ord 20,368	20,368	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 3,706,542	3,706,542	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 5,882	5,882	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 14,486	14,486	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 103,546	103,546	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 109,132	109,132	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 865,377	865,377	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 146,818	146,818	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.	SSB-STATE STREET AUSTRALIA		ord 20,718	20,718	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 43,396	43,396	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 13,685	13,685	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 43,603	43,603	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 139,162	139,162	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 841	841	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 1,989	1,989	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 292,165	292,165	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 19,674	19,674	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 369	369	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 34,509	34,509	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 16,194	16,194	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.	NT-NORTHERN TRUST UK		ord 29,350	29,350	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 8,818	8,818	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 15,580	15,580	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 67,783	67,783	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 20,257	20,257	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 38,170	38,170	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-BONY LUXEMBOURG		ord 1,077	1,077	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 203,423	203,423	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 206,640	206,640	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 BANK LUXEMBOURG		ord 394	394	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 5,102	5,102	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 3,678	3,678	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 416,718	416,718	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.	MITSUMI-SUMITOMO TRUST		ord 3,873	3,873	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 And Trust Co.		ord 50,887	50,887	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 4,842	4,842	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 14,132	14,132	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 274,934	274,934	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 267,586	267,586	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 878,884	878,884	subsidiary of BlackRock Inc.

This is Annexure B of 13 pages referred to in form 603 Notice of initial substantial shareholder

13-Mar-17

Kayla Mulvihill,
Authorised Signatory

Date

5. Consideration

MACQUARIE GROUP LTD (MQG)

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 Financial Management, Inc.	10-Nov-16	yes	80.15	on mkt buy	AUD	ord 4,688	4,688
BlackRock Advisors (UK) Limited	10-Nov-16	yes	80.28	on mkt buy	AUD	ord 188	188
BlackRock Advisors (UK) Limited	10-Nov-16	yes	80.28	on mkt buy	AUD	ord 267	267
BlackRock Fund Advisors	10-Nov-16	no	n/a	in specie	AUD	ord 8,430	8,430
BlackRock Investment Management (UK) Limited	11-Nov-16	no	n/a	in specie	AUD	ord 3,635	3,635
BlackRock Institutional Trust Company, National Association	11-Nov-16	yes	81.76	on mkt buy	AUD	ord 1,041	1,041
BlackRock Advisors (UK) Limited	11-Nov-16	yes	81.97	on mkt buy	AUD	ord 2,428	2,428
BlackRock Advisors (UK) Limited	11-Nov-16	yes	81.97	on mkt buy	AUD	ord 376	376
BlackRock Fund Advisors	11-Nov-16	no	n/a	in specie	AUD	ord 334	334
BlackRock Fund Advisors	11-Nov-16	no	n/a	in specie	AUD	ord 1,791	1,791
BlackRock Fund Advisors	11-Nov-16	no	n/a	in specie	AUD	ord 476	476
BlackRock Investment Management (Australia) Limited	14-Nov-16	yes	81.77	on mkt buy	AUD	ord 2,245	2,245
BlackRock Advisors (UK) Limited	14-Nov-16	yes	81.81	on mkt buy	AUD	ord 2,424	2,424
BlackRock Advisors (UK) Limited	14-Nov-16	yes	81.81	on mkt buy	AUD	ord 605	605
BlackRock Advisors (UK) Limited	14-Nov-16	yes	81.81	on mkt buy	AUD	ord 1,330	1,330
BlackRock Advisors (UK) Limited	14-Nov-16	yes	81.81	on mkt buy	AUD	ord 136	136
BlackRock Investment Management, LLC	14-Nov-16	yes	81.81	on mkt buy	AUD	ord 479	479
BlackRock Fund Advisors	14-Nov-16	yes	81.81	on mkt buy	AUD	ord 1,876	1,876
BlackRock Fund Advisors	14-Nov-16	no	n/a	in specie	AUD	ord 785	785
BlackRock Fund Advisors	14-Nov-16	no	n/a	in specie	AUD	ord 2,552	2,552
BlackRock Japan Co., Ltd.	15-Nov-16	yes	82.23	on mkt buy	AUD	ord 138	138
BlackRock Advisors (UK) Limited	15-Nov-16	yes	82.27	on mkt buy	AUD	ord 1,210	1,210
BlackRock Fund Advisors	15-Nov-16	no	n/a	in specie	AUD	ord 54	54
BlackRock Fund Advisors	15-Nov-16	no	n/a	in specie	AUD	ord 1,160	1,160
BlackRock Fund Advisors	15-Nov-16	no	n/a	in specie	AUD	ord 501	501
BlackRock Institutional Trust Company, National Association	16-Nov-16	yes	82.42	on mkt buy	AUD	ord 1,513	1,513
BlackRock Advisors (UK) Limited	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 2,432	2,432
BlackRock Investment Management (Australia) Limited	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 469	469
BlackRock Advisors (UK) Limited	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 154	154
BlackRock Advisors (UK) Limited	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 474	474
BlackRock Fund Advisors	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 1,757	1,757
BlackRock Financial Management, Inc.	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 345	345
BlackRock Advisors (UK) Limited	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 608	608
BlackRock Fund Advisors	16-Nov-16	no	n/a	in specie	AUD	ord 928	928
BlackRock Fund Advisors	16-Nov-16	no	n/a	in specie	AUD	ord 1,160	1,160
BlackRock Fund Advisors	16-Nov-16	no	n/a	in specie	AUD	ord 167	167
BlackRock Fund Advisors	16-Nov-16	no	n/a	in specie	AUD	ord 6,567	6,567
BlackRock Investment Management (Australia) Limited	17-Nov-16	yes	82.44	on mkt buy	AUD	ord 64,823	64,823
BlackRock Advisors (UK) Limited	17-Nov-16	yes	82.51	on mkt buy	AUD	ord 1,216	1,216
BlackRock Advisors (UK) Limited	17-Nov-16	yes	82.85	on mkt buy	AUD	ord 1,824	1,824
BlackRock Investment Management (Australia) Limited	17-Nov-16	yes	82.76	on mkt buy	AUD	ord 144	144
BlackRock Advisors (UK) Limited	17-Nov-16	yes	82.85	on mkt buy	AUD	ord 17,600	17,600
BlackRock Advisors (UK) Limited	17-Nov-16	yes	82.85	on mkt buy	AUD	ord 570	570
BlackRock Advisors (UK) Limited	17-Nov-16	yes	82.85	on mkt buy	AUD	ord 308	308
BlackRock Advisors (UK) Limited	17-Nov-16	yes	82.85	on mkt buy	AUD	ord 693	693
BlackRock Advisors (UK) Limited	17-Nov-16	yes	82.85	on mkt buy	AUD	ord 1,147	1,147
BlackRock Advisors (UK) Limited	17-Nov-16	yes	82.85	on mkt buy	AUD	ord 21,008	21,008
BlackRock Fund Advisors	17-Nov-16	no	n/a	in specie	AUD	ord 3,961	3,961
BlackRock Fund Advisors	17-Nov-16	no	n/a	in specie	AUD	ord 1,099	1,099
BlackRock Fund Advisors	17-Nov-16	no	n/a	in specie	AUD	ord 2,041	2,041
BlackRock Advisors (UK) Limited	18-Nov-16	yes	83.63	on mkt buy	AUD	ord 11,269	11,269
BlackRock Advisors (UK) Limited	18-Nov-16	yes	83.71	on mkt buy	AUD	ord 1,824	1,824
BlackRock Advisors (UK) Limited	18-Nov-16	yes	83.71	on mkt buy	AUD	ord 107	107
BlackRock Advisors (UK) Limited	18-Nov-16	yes	83.71	on mkt buy	AUD	ord 7,904	7,904
BlackRock Fund Advisors	18-Nov-16	no	n/a	in specie	AUD	ord 543	543

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	21-Nov-16	yes	83.46	on mkt buy	AUD	ord	2,432	2,432
BlackRock Investment Management (UK) Limited	21-Nov-16	no	n/a	in specie	AUD	ord	3,124	3,124
BlackRock Advisors (UK) Limited	21-Nov-16	no	n/a	in specie	AUD	ord	3,133	3,133
BlackRock Investment Management (Australia) Limited	22-Nov-16	yes	83.90	on mkt buy	AUD	ord	1,704	1,704
BlackRock Investment Management (Australia) Limited	22-Nov-16	yes	83.98	on mkt buy	AUD	ord	15,676	15,676
BlackRock Advisors (UK) Limited	22-Nov-16	yes	83.88	on mkt buy	AUD	ord	608	608
BlackRock Advisors (UK) Limited	22-Nov-16	yes	83.88	on mkt buy	AUD	ord	570	570
BlackRock Advisors (UK) Limited	23-Nov-16	yes	84.38	on mkt buy	AUD	ord	190	190
BlackRock Fund Advisors	23-Nov-16	no	n/a	in specie	AUD	ord	543	543
BlackRock Fund Advisors	23-Nov-16	no	n/a	in specie	AUD	ord	1,810	1,810
BlackRock Fund Advisors	23-Nov-16	no	n/a	in specie	AUD	ord	785	785
BlackRock Fund Advisors	23-Nov-16	no	n/a	in specie	AUD	ord	1,336	1,336
BlackRock Fund Advisors	25-Nov-16	no	n/a	in specie	AUD	ord	2,097	2,097
BlackRock Investment Management, LLC	28-Nov-16	yes	83.67	on mkt buy	AUD	ord	132	132
BlackRock Investment Management (Australia) Limited	28-Nov-16	yes	83.49	on mkt buy	AUD	ord	600	600
BlackRock Investment Management (Australia) Limited	28-Nov-16	yes	83.49	on mkt buy	AUD	ord	64	64
BlackRock Advisors (UK) Limited	28-Nov-16	yes	83.36	on mkt buy	AUD	ord	312	312
BlackRock Fund Advisors	28-Nov-16	yes	83.36	on mkt buy	AUD	ord	1,751	1,751
BlackRock Investment Management (Australia) Limited	29-Nov-16	yes	83.87	on mkt buy	AUD	ord	144	144
BlackRock Advisors (UK) Limited	29-Nov-16	yes	83.12	on mkt buy	AUD	ord	234	234
BlackRock Japan Co., Ltd.	29-Nov-16	yes	83.12	on mkt buy	AUD	ord	134	134
BlackRock Advisors (UK) Limited	29-Nov-16	yes	83.12	on mkt buy	AUD	ord	608	608
BlackRock Advisors (UK) Limited	29-Nov-16	yes	83.12	on mkt buy	AUD	ord	475	475
BlackRock Fund Advisors	29-Nov-16	no	n/a	in specie	AUD	ord	1,864	1,864
BlackRock Fund Advisors	29-Nov-16	no	n/a	in specie	AUD	ord	7,025	7,025
BlackRock Investment Management (Australia) Limited	30-Nov-16	yes	83.75	on mkt buy	AUD	ord	444	444
BlackRock Investment Management (Australia) Limited	30-Nov-16	yes	83.75	on mkt buy	AUD	ord	46	46
BlackRock Investment Management (Australia) Limited	30-Nov-16	yes	83.75	on mkt buy	AUD	ord	114	114
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	14,686	14,686
BlackRock Investment Management (UK) Limited	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	2,512	2,512
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	1,517	1,517
BlackRock Investment Management (UK) Limited	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	6,634	6,634
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	13,116	13,116
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	16,653	16,653
BlackRock International Limited	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	850	850
BlackRock Investment Management, LLC	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	2,171	2,171
BlackRock Investment Management, LLC	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	1,101	1,101
BlackRock Advisors (UK) Limited	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	1,011	1,011
BlackRock Advisors (UK) Limited	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	4,637	4,637
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	1,388	1,388
BlackRock Investment Management (Australia) Limited	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	491	491
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	21,816	21,816
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	2,731	2,731
BlackRock Investment Management, LLC	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	675	675
BlackRock Fund Advisors	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	81,504	81,504
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	1,071	1,071
BlackRock Investment Management, LLC	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	2,873	2,873
BlackRock Advisors (UK) Limited	30-Nov-16	no	n/a	in specie	AUD	ord	3,640	3,640
BlackRock Investment Management, LLC	01-Dec-16	yes	84.56	on mkt buy	AUD	ord	135	135
BlackRock Institutional Trust Company, National Association	01-Dec-16	yes	84.98	on mkt buy	AUD	ord	16,962	16,962
BlackRock Fund Advisors	01-Dec-16	no	n/a	in specie	AUD	ord	3,670	3,670
BlackRock Japan Co., Ltd.	02-Dec-16	yes	84.18	on mkt buy	AUD	ord	1,353	1,353
BlackRock Fund Advisors	02-Dec-16	yes	84.23	on mkt buy	AUD	ord	642	642
BlackRock Fund Advisors	02-Dec-16	no	n/a	in specie	AUD	ord	380	380

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	
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BlackRock Fund Advisors	02-Dec-16	no	n/a	in specie	AUD	ord	2,330	2,330
BlackRock Fund Advisors	02-Dec-16	no	n/a	in specie	AUD	ord	5,138	5,138
BlackRock Investment Management (Australia) Limited	05-Dec-16	yes	82.28	on mkt buy	AUD	ord	122	122
BlackRock Japan Co., Ltd.	05-Dec-16	yes	82.67	on mkt buy	AUD	ord	1,353	1,353
BlackRock Advisors (UK) Limited	06-Dec-16	yes	82.46	on mkt buy	AUD	ord	3,642	3,642
BlackRock Institutional Trust Company, National Association	06-Dec-16	yes	82.46	on mkt buy	AUD	ord	15,091	15,091
BlackRock Investment Management (UK) Limited	06-Dec-16	yes	82.46	on mkt buy	AUD	ord	4,028	4,028
BlackRock Institutional Trust Company, National Association	06-Dec-16	yes	82.46	on mkt buy	AUD	ord	1,800	1,800
BlackRock Fund Advisors	06-Dec-16	no	n/a	in specie	AUD	ord	543	543
BlackRock Fund Advisors	06-Dec-16	no	n/a	in specie	AUD	ord	1,086	1,086
BlackRock Fund Advisors	06-Dec-16	no	n/a	in specie	AUD	ord	334	334
BlackRock Fund Advisors	07-Dec-16	yes	83.45	on mkt buy	AUD	ord	1,248	1,248
BlackRock Financial Management, Inc.	07-Dec-16	yes	83.20	on mkt buy	AUD	ord	199	199
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	83.20	on mkt buy	AUD	ord	112	112
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	83.20	on mkt buy	AUD	ord	996	996
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	83.20	on mkt buy	AUD	ord	163	163
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	83.20	on mkt buy	AUD	ord	205	205
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	83.20	on mkt buy	AUD	ord	1,332	1,332
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	83.20	on mkt buy	AUD	ord	326	326
BlackRock Japan Co., Ltd.	07-Dec-16	yes	82.76	on mkt buy	AUD	ord	71	71
BlackRock Institutional Trust Company, National Association	07-Dec-16	yes	82.76	on mkt buy	AUD	ord	893	893
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	82.76	on mkt buy	AUD	ord	3,184	3,184
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord	1,165	1,165
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord	3,495	3,495
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord	1,002	1,002
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord	5,608	5,608
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord	4,206	4,206
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord	5,608	5,608
BlackRock Investment Management (Australia) Limited	09-Dec-16	yes	84.78	on mkt buy	AUD	ord	151	151
BlackRock Investment Management (Australia) Limited	09-Dec-16	yes	84.93	on mkt buy	AUD	ord	178	178
BlackRock Investment Management (Australia) Limited	09-Dec-16	yes	85.23	on mkt buy	AUD	ord	6,552	6,552
BlackRock Advisors (UK) Limited	09-Dec-16	yes	85.24	on mkt buy	AUD	ord	752	752
BlackRock Fund Advisors	09-Dec-16	no	n/a	in specie	AUD	ord	2,330	2,330
BlackRock Fund Advisors	09-Dec-16	no	n/a	in specie	AUD	ord	3,496	3,496
BlackRock Fund Advisors	09-Dec-16	no	n/a	in specie	AUD	ord	4,206	4,206
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord	157	157
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord	416	416
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord	473	473
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord	330	330
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord	314	314
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord	181	181
BlackRock Japan Co., Ltd.	09-Dec-16	no	n/a	collateral transfer	AUD	ord	6,237	6,237
BlackRock Advisors (UK) Limited	09-Dec-16	no	n/a	collateral transfer	AUD	ord	476,100	476,100
BlackRock Financial Management, Inc.	09-Dec-16	no	n/a	collateral transfer	AUD	ord	2,517	2,517
BlackRock Investment Management, LLC	09-Dec-16	no	n/a	collateral transfer	AUD	ord	28,239	28,239
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	collateral transfer	AUD	ord	19,823	19,823
BlackRock Asset Management North Asia Limited	09-Dec-16	no	n/a	collateral transfer	AUD	ord	3,436	3,436
BlackRock Japan Co., Ltd.	12-Dec-16	yes	86.30	on mkt buy	AUD	ord	69	69

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
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BlackRock Advisors (UK) Limited	12-Dec-16	yes	86.30	on mkt buy	AUD	ord	607	607
BlackRock Advisors (UK) Limited	12-Dec-16	yes	86.30	on mkt buy	AUD	ord	608	608
BlackRock Fund Advisors	12-Dec-16	no	n/a	in specie	AUD	ord	47	47
BlackRock Japan Co., Ltd.	12-Dec-16	no	n/a	collateral transfer	AUD	ord	130	130
BlackRock Investment Management (UK) Limited	12-Dec-16	no	n/a	collateral transfer	AUD	ord	237	237
BlackRock Asset Management North Asia Limited	12-Dec-16	no	n/a	collateral transfer	AUD	ord	79	79
BlackRock Investment Management, LLC	13-Dec-16	yes	85.88	on mkt buy	AUD	ord	209	209
BlackRock Investment Management (Australia) Limited	13-Dec-16	yes	85.93	on mkt buy	AUD	ord	23,392	23,392
BlackRock Fund Advisors	13-Dec-16	no	n/a	in specie	AUD	ord	1,631	1,631
BlackRock Fund Advisors	13-Dec-16	no	n/a	in specie	AUD	ord	1,060	1,060
BlackRock Japan Co., Ltd.	13-Dec-16	no	n/a	collateral transfer	AUD	ord	8,234	8,234
BlackRock Advisors (UK) Limited	13-Dec-16	no	n/a	collateral transfer	AUD	ord	156,424	156,424
BlackRock Financial Management, Inc.	13-Dec-16	no	n/a	collateral transfer	AUD	ord	17,740	17,740
BlackRock Investment Management, LLC	13-Dec-16	no	n/a	collateral transfer	AUD	ord	71,094	71,094
BlackRock Investment Management (UK) Limited	13-Dec-16	no	n/a	collateral transfer	AUD	ord	193,055	193,055
BlackRock Asset Management North Asia Limited	13-Dec-16	no	n/a	collateral transfer	AUD	ord	27,226	27,226
BlackRock Institutional Trust Company, National Association	14-Dec-16	no	n/a	in specie	AUD	ord	3,528	3,528
BlackRock Advisors (UK) Limited	14-Dec-16	yes	87.27	on mkt buy	AUD	ord	308	308
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord	47	47
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord	1,325	1,325
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord	1,989	1,989
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord	501	501
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord	2,330	2,330
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord	3,029	3,029
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord	6,118	6,118
BlackRock Fund Advisors	15-Dec-16	yes	87.25	on mkt buy	AUD	ord	1,111	1,111
BlackRock Fund Advisors	15-Dec-16	no	n/a	in specie	AUD	ord	1,748	1,748
BlackRock Fund Advisors	15-Dec-16	no	n/a	in specie	AUD	ord	1,989	1,989
BlackRock Fund Advisors	15-Dec-16	no	n/a	in specie	AUD	ord	724	724
BlackRock Investment Management (Australia) Limited	15-Dec-16	yes	87.25	on mkt buy	AUD	ord	32,860	32,860
BlackRock Advisors (UK) Limited	15-Dec-16	no	n/a	collateral transfer	AUD	ord	474,370	474,370
BlackRock Financial Management, Inc.	15-Dec-16	no	n/a	collateral transfer	AUD	ord	69	69
BlackRock Investment Management, LLC	15-Dec-16	no	n/a	collateral transfer	AUD	ord	440	440
BlackRock Investment Management (UK) Limited	16-Dec-16	yes	87.54	on mkt buy	AUD	ord	2,950	2,950
BlackRock Investment Management (UK) Limited	16-Dec-16	yes	87.54	on mkt buy	AUD	ord	4,246	4,246
BlackRock Fund Advisors	16-Dec-16	yes	87.54	on mkt buy	AUD	ord	4,324	4,324
BlackRock Asset Management Canada Limited	16-Dec-16	yes	87.54	on mkt buy	AUD	ord	68	68
BlackRock Institutional Trust Company, National Association	16-Dec-16	yes	87.54	on mkt buy	AUD	ord	2,770	2,770
BlackRock Investment Management (Australia) Limited	16-Dec-16	yes	87.54	on mkt buy	AUD	ord	263	263
BlackRock Fund Advisors	16-Dec-16	no	n/a	in specie	AUD	ord	905	905
BlackRock Fund Advisors	16-Dec-16	no	n/a	in specie	AUD	ord	1,002	1,002
BlackRock Fund Advisors	16-Dec-16	no	n/a	in specie	AUD	ord	5,244	5,244
BlackRock Japan Co., Ltd.	16-Dec-16	no	n/a	collateral transfer	AUD	ord	5,119	5,119
BlackRock Financial Management, Inc.	16-Dec-16	no	n/a	collateral transfer	AUD	ord	159	159
BlackRock Investment Management, LLC	16-Dec-16	no	n/a	collateral transfer	AUD	ord	1,175	1,175
BlackRock Investment Management (UK) Limited	16-Dec-16	no	n/a	collateral transfer	AUD	ord	14,624	14,624
BlackRock Asset Management North Asia Limited	16-Dec-16	no	n/a	collateral transfer	AUD	ord	2,299	2,299
BlackRock Investment Management (Australia) Limited	19-Dec-16	no	n/a	in specie	AUD	ord	143,471	143,471

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	19-Dec-16	yes	87.68	on mkt buy	AUD	ord 87	87
BlackRock Advisors (UK) Limited	19-Dec-16	yes	87.90	on mkt buy	AUD	ord 108	108
BlackRock Investment Management, LLC	19-Dec-16	yes	87.90	on mkt buy	AUD	ord 2,643	2,643
BlackRock Investment Management (Australia) Limited	19-Dec-16	yes	87.90	on mkt buy	AUD	ord 2,172	2,172
BlackRock Asset Management Canada Limited	19-Dec-16	yes	87.90	on mkt buy	AUD	ord 874	874
BlackRock Institutional Trust Company, National Association	19-Dec-16	yes	87.90	on mkt buy	AUD	ord 1,609	1,609
BlackRock Investment Management (Australia) Limited	19-Dec-16	yes	87.90	on mkt buy	AUD	ord 2,388	2,388
BlackRock Japan Co., Ltd.	19-Dec-16	no	n/a	collateral transfer	AUD	ord 29	29
BlackRock Financial Management, Inc.	19-Dec-16	no	n/a	collateral transfer	AUD	ord 63	63
BlackRock Investment Management, LLC	19-Dec-16	no	n/a	collateral transfer	AUD	ord 741	741
BlackRock Fund Advisors	20-Dec-16	yes	88.13	on mkt buy	AUD	ord 2,162	2,162
BlackRock Investment Management (Australia) Limited	20-Dec-16	yes	87.43	on mkt buy	AUD	ord 1,752	1,752
BlackRock Investment Management (Australia) Limited	20-Dec-16	yes	87.43	on mkt buy	AUD	ord 5,392	5,392
BlackRock Investment Management (Australia) Limited	20-Dec-16	yes	87.43	on mkt buy	AUD	ord 635	635
BlackRock Investment Management (Australia) Limited	20-Dec-16	yes	87.43	on mkt buy	AUD	ord 778	778
BlackRock Investment Management (Australia) Limited	20-Dec-16	yes	87.24	on mkt buy	AUD	ord 265	265
BlackRock Institutional Trust Company, National Association	20-Dec-16	yes	87.25	on mkt buy	AUD	ord 856	856
BlackRock Investment Management (Australia) Limited	20-Dec-16	yes	87.25	on mkt buy	AUD	ord 4,311	4,311
BlackRock Financial Management, Inc.	20-Dec-16	no	n/a	collateral transfer	AUD	ord 54	54
BlackRock Asset Management North Asia Limited	20-Dec-16	no	n/a	collateral transfer	AUD	ord 435	435
BlackRock Advisors (UK) Limited	21-Dec-16	yes	86.75	on mkt buy	AUD	ord 1,034	1,034
BlackRock Advisors (UK) Limited	21-Dec-16	yes	86.75	on mkt buy	AUD	ord 67	67
BlackRock Investment Management (Australia) Limited	21-Dec-16	yes	86.75	on mkt buy	AUD	ord 414	414
BlackRock Investment Management (Australia) Limited	21-Dec-16	yes	86.75	on mkt buy	AUD	ord 756	756
BlackRock Investment Management (Australia) Limited	21-Dec-16	yes	86.75	on mkt buy	AUD	ord 981	981
BlackRock Japan Co., Ltd.	21-Dec-16	no	n/a	collateral transfer	AUD	ord 5,900	5,900
BlackRock Advisors (UK) Limited	21-Dec-16	no	n/a	collateral transfer	AUD	ord 300,889	300,889
BlackRock Investment Management (Australia) Limited	22-Dec-16	yes	87.08	on mkt buy	AUD	ord 2,018	2,018
BlackRock Investment Management (Australia) Limited	22-Dec-16	yes	87.08	on mkt buy	AUD	ord 5,649	5,649
BlackRock Investment Management (Australia) Limited	22-Dec-16	yes	87.08	on mkt buy	AUD	ord 837	837
BlackRock Investment Management (Australia) Limited	22-Dec-16	yes	87.08	on mkt buy	AUD	ord 706	706
BlackRock Advisors (UK) Limited	22-Dec-16	yes	87.68	on mkt buy	AUD	ord 430	430
BlackRock Fund Advisors	22-Dec-16	no	n/a	in specie	AUD	ord 684	684
BlackRock Fund Advisors	22-Dec-16	no	n/a	in specie	AUD	ord 670	670
BlackRock Fund Advisors	22-Dec-16	no	n/a	in specie	AUD	ord 855	855
BlackRock Fund Advisors	22-Dec-16	no	n/a	in specie	AUD	ord 13,266	13,266
BlackRock Advisors (UK) Limited	22-Dec-16	no	n/a	collateral transfer	AUD	ord 179,873	179,873
BlackRock Financial Management, Inc.	22-Dec-16	no	n/a	collateral transfer	AUD	ord 24	24
BlackRock Investment Management (UK) Limited	22-Dec-16	no	n/a	collateral transfer	AUD	ord 392	392
BlackRock Asset Management North Asia Limited	22-Dec-16	no	n/a	collateral transfer	AUD	ord 93	93
BlackRock Fund Advisors	23-Dec-16	yes	87.19	on mkt buy	AUD	ord 915	915
BlackRock Fund Advisors	23-Dec-16	yes	87.19	on mkt buy	AUD	ord 3,064	3,064
BlackRock Fund Advisors	23-Dec-16	no	n/a	in specie	AUD	ord 6,936	6,936
BlackRock Japan Co., Ltd.	23-Dec-16	no	n/a	collateral transfer	AUD	ord 17,152	17,152

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
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BlackRock Investment Management, LLC	23-Dec-16	no	n/a	collateral transfer	AUD	ord 3,866	3,866
BlackRock Asset Management North Asia Limited	23-Dec-16	no	n/a	collateral transfer	AUD	ord 1,061	1,061
BlackRock Fund Advisors	27-Dec-16	no	n/a	in specie	AUD	ord 513	513
BlackRock Japan Co., Ltd.	27-Dec-16	no	n/a	collateral transfer	AUD	ord 2,023	2,023
BlackRock Financial Management, Inc.	27-Dec-16	no	n/a	collateral transfer	AUD	ord 2,543	2,543
BlackRock Investment Management, LLC	27-Dec-16	no	n/a	collateral transfer	AUD	ord 27,674	27,674
BlackRock Investment Management (UK) Limited	27-Dec-16	no	n/a	collateral transfer	AUD	ord 503,489	503,489
BlackRock Asset Management North Asia Limited	27-Dec-16	no	n/a	collateral transfer	AUD	ord 1,877	1,877
BlackRock Fund Advisors	28-Dec-16	yes	87.43	on mkt buy	AUD	ord 6,212	6,212
BlackRock Fund Advisors	28-Dec-16	yes	87.43	on mkt buy	AUD	ord 1,041	1,041
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	AUD	ord 675	675
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	AUD	ord 670	670
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	AUD	ord 1,474	1,474
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	AUD	ord 568	568
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	AUD	ord 1,734	1,734
BlackRock Advisors (UK) Limited	28-Dec-16	no	n/a	collateral transfer	AUD	ord 481,128	481,128
BlackRock Investment Management, LLC	28-Dec-16	no	n/a	collateral transfer	AUD	ord 135	135
BlackRock Institutional Trust Company, National Association	29-Dec-16	yes	87.70	on mkt buy	AUD	ord 1,885	1,885
BlackRock Institutional Trust Company, National Association	29-Dec-16	yes	87.70	on mkt buy	AUD	ord 424	424
BlackRock Institutional Trust Company, National Association	29-Dec-16	yes	87.70	on mkt buy	AUD	ord 1,638	1,638
BlackRock Institutional Trust Company, National Association	29-Dec-16	yes	87.70	on mkt buy	AUD	ord 1,262	1,262
BlackRock Advisors (UK) Limited	29-Dec-16	yes	87.50	on mkt buy	AUD	ord 608	608
BlackRock Advisors (UK) Limited	29-Dec-16	yes	88.01	on mkt buy	AUD	ord 1,216	1,216
BlackRock Fund Advisors	29-Dec-16	no	n/a	in specie	AUD	ord 2,310	2,310
BlackRock Financial Management, Inc.	29-Dec-16	no	n/a	collateral transfer	AUD	ord 802	802
BlackRock Investment Management, LLC	29-Dec-16	no	n/a	collateral transfer	AUD	ord 82	82
BlackRock Asset Management North Asia Limited	29-Dec-16	no	n/a	collateral transfer	AUD	ord 296	296
BlackRock Investment Management (Australia) Limited	30-Dec-16	yes	87.61	on mkt buy	AUD	ord 48	48
BlackRock Investment Management (UK) Limited	30-Dec-16	yes	86.96	on mkt buy	AUD	ord 1,155	1,155
BlackRock Investment Management (UK) Limited	30-Dec-16	yes	87.12	on mkt buy	AUD	ord 1,018	1,018
BlackRock Advisors (UK) Limited	30-Dec-16	yes	87.12	on mkt buy	AUD	ord 282	282
BlackRock Institutional Trust Company, National Association	30-Dec-16	yes	87.12	on mkt buy	AUD	ord 1,227	1,227
BlackRock Institutional Trust Company, National Association	30-Dec-16	yes	87.12	on mkt buy	AUD	ord 2,433	2,433
BlackRock Institutional Trust Company, National Association	30-Dec-16	yes	87.12	on mkt buy	AUD	ord 217	217
BlackRock Japan Co., Ltd.	30-Dec-16	no	n/a	collateral transfer	AUD	ord 4	4
BlackRock Financial Management, Inc.	30-Dec-16	no	n/a	collateral transfer	AUD	ord 1	1
BlackRock Investment Management (UK) Limited	30-Dec-16	no	n/a	collateral transfer	AUD	ord 3,055	3,055
BlackRock Asset Management North Asia Limited	30-Dec-16	no	n/a	collateral transfer	AUD	ord 116	116
BlackRock Advisors (UK) Limited	03-Jan-17	no	n/a	collateral transfer	AUD	ord 1,810	1,810
BlackRock Investment Management, LLC	03-Jan-17	no	n/a	collateral transfer	AUD	ord 823	823
BlackRock Institutional Trust Company, National Association	03-Jan-17	yes	87.89	on mkt buy	AUD	ord 2,817	2,817
BlackRock Fund Advisors	03-Jan-17	no	n/a	in specie	AUD	ord 5,500	5,500
BlackRock Institutional Trust Company, National Association	03-Jan-17	no	n/a	in specie	AUD	ord 8,253	8,253
BlackRock Institutional Trust Company, National Association	03-Jan-17	no	n/a	in specie	AUD	ord 6,214	6,214

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	03-Jan-17	no	n/a	collateral transfer	AUD	ord	1,510	1,510
BlackRock Advisors (UK) Limited	04-Jan-17	yes	88.08	on mkt buy	AUD	ord	536	536
BlackRock Fund Advisors	04-Jan-17	yes	88.08	on mkt buy	AUD	ord	1,001	1,001
BlackRock Advisors, LLC	04-Jan-17	yes	88.08	on mkt buy	AUD	ord	6,209	6,209
BlackRock Advisors, LLC	04-Jan-17	yes	88.08	on mkt buy	AUD	ord	1,560	1,560
BlackRock Fund Advisors	04-Jan-17	no	n/a	in specie	AUD	ord	2,310	2,310
BlackRock Fund Advisors	04-Jan-17	no	n/a	in specie	AUD	ord	332	332
BlackRock Japan Co., Ltd.	04-Jan-17	no	n/a	collateral transfer	AUD	ord	22,810	22,810
BlackRock Financial Management, Inc.	04-Jan-17	no	n/a	collateral transfer	AUD	ord	17,913	17,913
BlackRock Investment Management, LLC	04-Jan-17	no	n/a	collateral transfer	AUD	ord	64,061	64,061
BlackRock Investment Management (UK) Limited	04-Jan-17	no	n/a	collateral transfer	AUD	ord	235,357	235,357
BlackRock Asset Management North Asia Limited	04-Jan-17	no	n/a	collateral transfer	AUD	ord	22,383	22,383
BlackRock Fund Advisors	05-Jan-17	yes	88.09	on mkt buy	AUD	ord	5,148	5,148
BlackRock Advisors (UK) Limited	05-Jan-17	yes	87.84	on mkt buy	AUD	ord	94	94
BlackRock Advisors (UK) Limited	05-Jan-17	yes	87.84	on mkt buy	AUD	ord	564	564
BlackRock Advisors (UK) Limited	05-Jan-17	yes	87.84	on mkt buy	AUD	ord	75	75
BlackRock Advisors (UK) Limited	05-Jan-17	yes	87.84	on mkt buy	AUD	ord	75	75
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord	47	47
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord	600	600
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord	2,772	2,772
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord	3,234	3,234
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord	1,072	1,072
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord	6,960	6,960
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord	2,642	2,642
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	AUD	ord	498	498
BlackRock Advisors (UK) Limited	05-Jan-17	no	n/a	collateral transfer	AUD	ord	461,428	461,428
BlackRock Advisors (UK) Limited	06-Jan-17	yes	87.80	on mkt buy	AUD	ord	796	796
BlackRock Advisors (UK) Limited	06-Jan-17	yes	87.80	on mkt buy	AUD	ord	272	272
BlackRock Advisors (UK) Limited	06-Jan-17	yes	87.80	on mkt buy	AUD	ord	886	886
BlackRock Fund Advisors	06-Jan-17	no	n/a	in specie	AUD	ord	13,750	13,750
BlackRock Fund Advisors	06-Jan-17	no	n/a	in specie	AUD	ord	1,321	1,321
BlackRock Investment Management (UK) Limited	06-Jan-17	no	n/a	collateral transfer	AUD	ord	17,101	17,101
BlackRock (Netherlands) B.V.	09-Jan-17	yes	88.80	on mkt buy	AUD	ord	113	113
BlackRock Fund Advisors	09-Jan-17	no	n/a	in specie	AUD	ord	1,740	1,740
BlackRock Fund Advisors	09-Jan-17	no	n/a	in specie	AUD	ord	4,350	4,350
BlackRock Japan Co., Ltd.	09-Jan-17	no	n/a	collateral transfer	AUD	ord	21	21
BlackRock Advisors (UK) Limited	09-Jan-17	no	n/a	collateral transfer	AUD	ord	3,088	3,088
BlackRock Capital Management, Inc.	09-Jan-17	no	n/a	collateral transfer	AUD	ord	13	13
BlackRock Financial Management, Inc.	09-Jan-17	no	n/a	collateral transfer	AUD	ord	36	36
BlackRock Fund Advisors	10-Jan-17	no	n/a	in specie	AUD	ord	2,120	2,120
BlackRock Japan Co., Ltd.	10-Jan-17	no	n/a	collateral transfer	AUD	ord	65	65
BlackRock Financial Management, Inc.	10-Jan-17	no	n/a	collateral transfer	AUD	ord	67	67
BlackRock Asset Management North Asia Limited	10-Jan-17	no	n/a	collateral transfer	AUD	ord	37	37
BlackRock Fund Advisors	11-Jan-17	no	n/a	in specie	AUD	ord	3,003	3,003
BlackRock Fund Advisors	11-Jan-17	no	n/a	in specie	AUD	ord	5,896	5,896
BlackRock Japan Co., Ltd.	11-Jan-17	no	n/a	collateral transfer	AUD	ord	3	3
BlackRock Financial Management, Inc.	11-Jan-17	no	n/a	collateral transfer	AUD	ord	130	130
BlackRock Investment Management, LLC	11-Jan-17	no	n/a	collateral transfer	AUD	ord	245	245
BlackRock Investment Management (UK) Limited	11-Jan-17	no	n/a	collateral transfer	AUD	ord	73,177	73,177
BlackRock Asset Management North Asia Limited	11-Jan-17	no	n/a	collateral transfer	AUD	ord	91	91
BlackRock Advisors, LLC	12-Jan-17	yes	86.44	on mkt buy	AUD	ord	10,360	10,360
BlackRock Investment Management, LLC	12-Jan-17	yes	86.44	on mkt buy	AUD	ord	1,077	1,077
BlackRock Investment Management, LLC	12-Jan-17	yes	86.36	on mkt buy	AUD	ord	938	938
BlackRock Fund Advisors	12-Jan-17	no	n/a	in specie	AUD	ord	2,310	2,310

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	12-Jan-17	no	n/a	in specie	AUD	ord 824	824
BlackRock Fund Advisors	12-Jan-17	no	n/a	in specie	AUD	ord 6,875	6,875
BlackRock Japan Co., Ltd.	12-Jan-17	no	n/a	collateral transfer	AUD	ord 46	46
BlackRock Financial Management, Inc.	12-Jan-17	no	n/a	collateral transfer	AUD	ord 34	34
BlackRock Asset Management North Asia Limited	12-Jan-17	no	n/a	collateral transfer	AUD	ord 4	4
BlackRock Investment Management, LLC	13-Jan-17	yes	86.26	on mkt buy	AUD	ord 226	226
BlackRock Investment Management (UK) Limited	13-Jan-17	yes	85.58	on mkt buy	AUD	ord 123	123
BlackRock Fund Advisors	13-Jan-17	no	n/a	in specie	AUD	ord 3,465	3,465
BlackRock Fund Advisors	13-Jan-17	no	n/a	in specie	AUD	ord 5,500	5,500
BlackRock Institutional Trust Company, National Association	13-Jan-17	no	n/a	in specie	AUD	ord 1,243	1,243
BlackRock Japan Co., Ltd.	13-Jan-17	no	n/a	collateral transfer	AUD	ord 233	233
BlackRock Advisors (UK) Limited	13-Jan-17	no	n/a	collateral transfer	AUD	ord 463,018	463,018
BlackRock Financial Management, Inc.	13-Jan-17	no	n/a	collateral transfer	AUD	ord 66	66
BlackRock Investment Management, LLC	13-Jan-17	no	n/a	collateral transfer	AUD	ord 129	129
BlackRock Investment Management (Australia) Limited	16-Jan-17	yes	86.18	on mkt buy	AUD	ord 62	62
BlackRock Advisors (UK) Limited	16-Jan-17	yes	86.19	on mkt buy	AUD	ord 1,821	1,821
BlackRock (Netherlands) B.V.	16-Jan-17	yes	86.19	on mkt buy	AUD	ord 308	308
BlackRock Capital Management, Inc.	16-Jan-17	no	n/a	collateral transfer	AUD	ord 277	277
BlackRock Investment Management (UK) Limited	16-Jan-17	no	n/a	collateral transfer	AUD	ord 131,337	131,337
BlackRock Advisors (UK) Limited	17-Jan-17	yes	85.00	on mkt buy	AUD	ord 752	752
BlackRock Fund Advisors	17-Jan-17	no	n/a	in specie	AUD	ord 5,500	5,500
BlackRock Advisors (UK) Limited	17-Jan-17	no	n/a	collateral transfer	AUD	ord 44,280	44,280
BlackRock Investment Management, LLC	17-Jan-17	no	n/a	collateral transfer	AUD	ord 390	390
BlackRock Asset Management North Asia Limited	17-Jan-17	no	n/a	collateral transfer	AUD	ord 118	118
BlackRock Advisors (UK) Limited	18-Jan-17	yes	84.81	on mkt buy	AUD	ord 1,216	1,216
BlackRock Fund Advisors	18-Jan-17	no	n/a	in specie	AUD	ord 3,465	3,465
BlackRock Japan Co., Ltd.	18-Jan-17	no	n/a	collateral transfer	AUD	ord 35	35
BlackRock Investment Management, LLC	18-Jan-17	no	n/a	collateral transfer	AUD	ord 610	610
BlackRock Investment Management (UK) Limited	18-Jan-17	no	n/a	collateral transfer	AUD	ord 229	229
BlackRock Asset Management North Asia Limited	18-Jan-17	no	n/a	collateral transfer	AUD	ord 98	98
BlackRock Advisors (UK) Limited	19-Jan-17	yes	85.04	on mkt buy	AUD	ord 608	608
BlackRock Advisors (UK) Limited	19-Jan-17	yes	85.04	on mkt buy	AUD	ord 608	608
BlackRock Advisors (UK) Limited	19-Jan-17	yes	85.04	on mkt buy	AUD	ord 658	658
BlackRock Fund Advisors	19-Jan-17	no	n/a	in specie	AUD	ord 29,480	29,480
BlackRock Advisors (UK) Limited	19-Jan-17	no	n/a	collateral transfer	AUD	ord 400,288	400,288
BlackRock Investment Management, LLC	19-Jan-17	no	n/a	collateral transfer	AUD	ord 167	167
BlackRock Investment Management (UK) Limited	19-Jan-17	no	n/a	collateral transfer	AUD	ord 44,777	44,777
BlackRock Japan Co., Ltd.	20-Jan-17	yes	84.91	on mkt buy	AUD	ord 80	80
BlackRock Advisors (UK) Limited	20-Jan-17	yes	84.83	on mkt buy	AUD	ord 564	564
BlackRock Fund Advisors	20-Jan-17	no	n/a	in specie	AUD	ord 50,116	50,116
BlackRock Fund Advisors	20-Jan-17	no	n/a	in specie	AUD	ord 4,422	4,422
BlackRock Fund Advisors	20-Jan-17	no	n/a	in specie	AUD	ord 16,951	16,951
BlackRock Japan Co., Ltd.	20-Jan-17	no	n/a	collateral transfer	AUD	ord 129	129
BlackRock Financial Management, Inc.	20-Jan-17	no	n/a	collateral transfer	AUD	ord 64	64
BlackRock Investment Management, LLC	20-Jan-17	no	n/a	collateral transfer	AUD	ord 480	480
BlackRock Asset Management North Asia Limited	20-Jan-17	no	n/a	collateral transfer	AUD	ord 51	51
BlackRock Investment Management (UK) Limited	23-Jan-17	yes	84.26	on mkt buy	AUD	ord 194	194

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	23-Jan-17	yes	83.86	on mkt buy	AUD	ord	1,824	1,824
BlackRock Advisors (UK) Limited	23-Jan-17	yes	83.86	on mkt buy	AUD	ord	108	108
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	AUD	ord	4,158	4,158
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	AUD	ord	4,851	4,851
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	AUD	ord	2,310	2,310
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	AUD	ord	29,796	29,796
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	AUD	ord	47	47
BlackRock Japan Co., Ltd.	23-Jan-17	no	n/a	collateral transfer	AUD	ord	149	149
BlackRock Investment Management, LLC	23-Jan-17	no	n/a	collateral transfer	AUD	ord	1,182	1,182
BlackRock Asset Management North Asia Limited	23-Jan-17	no	n/a	collateral transfer	AUD	ord	166	166
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	AUD	ord	900	900
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	AUD	ord	2,079	2,079
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	AUD	ord	2,772	2,772
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	AUD	ord	3,480	3,480
BlackRock Japan Co., Ltd.	24-Jan-17	no	n/a	collateral transfer	AUD	ord	93	93
BlackRock Financial Management, Inc.	24-Jan-17	no	n/a	collateral transfer	AUD	ord	9	9
BlackRock Investment Management (UK) Limited	24-Jan-17	no	n/a	collateral transfer	AUD	ord	1,540	1,540
BlackRock Asset Management North Asia Limited	24-Jan-17	no	n/a	collateral transfer	AUD	ord	98	98
BlackRock Advisors (UK) Limited	25-Jan-17	yes	84.15	on mkt buy	AUD	ord	1,216	1,216
BlackRock Advisors (UK) Limited	25-Jan-17	yes	84.15	on mkt buy	AUD	ord	109	109
BlackRock Advisors (UK) Limited	25-Jan-17	yes	84.15	on mkt buy	AUD	ord	1,526	1,526
BlackRock Advisors (UK) Limited	25-Jan-17	yes	84.15	on mkt buy	AUD	ord	282	282
BlackRock Advisors, LLC	25-Jan-17	yes	84.15	on mkt buy	AUD	ord	665	665
BlackRock Fund Advisors	25-Jan-17	no	n/a	in specie	AUD	ord	375	375
BlackRock Fund Advisors	25-Jan-17	no	n/a	in specie	AUD	ord	3,480	3,480
BlackRock Advisors (UK) Limited	25-Jan-17	no	n/a	collateral transfer	AUD	ord	1,237	1,237
BlackRock Investment Management, LLC	25-Jan-17	no	n/a	collateral transfer	AUD	ord	1,538	1,538
BlackRock Fund Advisors	26-Jan-17	no	n/a	in specie	AUD	ord	5,896	5,896
BlackRock Japan Co., Ltd.	26-Jan-17	no	n/a	collateral transfer	AUD	ord	8,644	8,644
BlackRock Capital Management, Inc.	26-Jan-17	no	n/a	collateral transfer	AUD	ord	266	266
BlackRock Financial Management, Inc.	26-Jan-17	no	n/a	collateral transfer	AUD	ord	1,495	1,495
BlackRock Investment Management, LLC	26-Jan-17	no	n/a	collateral transfer	AUD	ord	84,544	84,544
BlackRock Investment Management (UK) Limited	26-Jan-17	no	n/a	collateral transfer	AUD	ord	269,369	269,369
BlackRock Asset Management North Asia Limited	26-Jan-17	no	n/a	collateral transfer	AUD	ord	38,026	38,026
BlackRock Advisors (UK) Limited	27-Jan-17	yes	85.65	on mkt buy	AUD	ord	4,256	4,256
BlackRock Advisors (UK) Limited	27-Jan-17	yes	85.65	on mkt buy	AUD	ord	790	790
BlackRock Advisors (UK) Limited	27-Jan-17	yes	85.77	on mkt buy	AUD	ord	282	282
BlackRock Advisors (UK) Limited	27-Jan-17	yes	85.77	on mkt buy	AUD	ord	333	333
BlackRock Advisors (UK) Limited	27-Jan-17	yes	85.77	on mkt buy	AUD	ord	470	470
BlackRock Advisors (UK) Limited	27-Jan-17	yes	85.77	on mkt buy	AUD	ord	608	608
BlackRock Advisors (UK) Limited	27-Jan-17	yes	85.77	on mkt buy	AUD	ord	3,950	3,950
BlackRock Fund Advisors	27-Jan-17	no	n/a	in specie	AUD	ord	9,625	9,625
BlackRock Advisors (UK) Limited	27-Jan-17	no	n/a	collateral transfer	AUD	ord	4,060	4,060
BlackRock Advisors (UK) Limited	30-Jan-17	yes	84.49	on mkt buy	AUD	ord	188	188
BlackRock Advisors (UK) Limited	30-Jan-17	yes	84.49	on mkt buy	AUD	ord	188	188
BlackRock Fund Advisors	30-Jan-17	no	n/a	in specie	AUD	ord	4,125	4,125
BlackRock Advisors (UK) Limited	30-Jan-17	no	n/a	in specie	AUD	ord	3,076	3,076
BlackRock Advisors (UK) Limited	31-Jan-17	yes	84.60	on mkt buy	AUD	ord	607	607
BlackRock Institutional Trust Company, National Association	31-Jan-17	yes	84.60	on mkt buy	AUD	ord	2,910	2,910
BlackRock Investment Management (UK) Limited	31-Jan-17	yes	84.60	on mkt buy	AUD	ord	6,610	6,610
BlackRock Institutional Trust Company, National Association	31-Jan-17	yes	84.60	on mkt buy	AUD	ord	164	164
BlackRock Fund Advisors	31-Jan-17	no	n/a	in specie	AUD	ord	2,278	2,278
BlackRock Fund Advisors	31-Jan-17	no	n/a	in specie	AUD	ord	5,159	5,159
BlackRock Advisors (UK) Limited	31-Jan-17	no	n/a	collateral transfer	AUD	ord	448,372	448,372

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	31-Jan-17	no	n/a	collateral transfer	AUD	ord 5,292	5,292
BlackRock Advisors, LLC	01-Feb-17	yes	84.64	on mkt buy	AUD	ord 8,253	8,253
BlackRock Advisors (UK) Limited	01-Feb-17	yes	84.64	on mkt buy	AUD	ord 658	658
BlackRock Investment Management (Australia) Limited	01-Feb-17	yes	84.64	on mkt buy	AUD	ord 82,817	82,817
BlackRock Fund Advisors	01-Feb-17	no	n/a	in specie	AUD	ord 1,848	1,848
BlackRock Fund Advisors	01-Feb-17	no	n/a	in specie	AUD	ord 4,125	4,125
BlackRock Investment Management (UK) Limited	01-Feb-17	no	n/a	collateral transfer	AUD	ord 919	919
BlackRock Japan Co., Ltd.	02-Feb-17	yes	84.57	on mkt buy	AUD	ord 201	201
BlackRock Advisors (UK) Limited	02-Feb-17	yes	83.92	on mkt buy	AUD	ord 789	789
BlackRock Advisors (UK) Limited	02-Feb-17	yes	83.92	on mkt buy	AUD	ord 75	75
BlackRock Advisors (UK) Limited	02-Feb-17	yes	83.80	on mkt buy	AUD	ord 608	608
BlackRock Fund Advisors	02-Feb-17	no	n/a	in specie	AUD	ord 2,025	2,025
BlackRock Advisors (UK) Limited	02-Feb-17	no	n/a	collateral transfer	AUD	ord 354,267	354,267
BlackRock Advisors (UK) Limited	03-Feb-17	yes	83.51	on mkt buy	AUD	ord 1,216	1,216
BlackRock Fund Advisors	03-Feb-17	no	n/a	in specie	AUD	ord 1,125	1,125
BlackRock Advisors (UK) Limited	03-Feb-17	no	n/a	collateral transfer	AUD	ord 45,529	45,529
BlackRock Advisors (UK) Limited	06-Feb-17	yes	83.94	on mkt buy	AUD	ord 3,035	3,035
BlackRock Advisors (UK) Limited	06-Feb-17	yes	83.94	on mkt buy	AUD	ord 607	607
BlackRock Advisors (UK) Limited	06-Feb-17	yes	84.28	on mkt buy	AUD	ord 6,080	6,080
BlackRock Investment Management (Australia) Limited	07-Feb-17	yes	82.18	on mkt buy	AUD	ord 886	886
BlackRock Financial Management, Inc.	07-Feb-17	yes	82.47	on mkt buy	AUD	ord 1,032	1,032
BlackRock Institutional Trust Company, National Association	07-Feb-17	yes	82.47	on mkt buy	AUD	ord 1,189	1,189
BlackRock Institutional Trust Company, National Association	07-Feb-17	yes	82.47	on mkt buy	AUD	ord 830	830
BlackRock Advisors (UK) Limited	07-Feb-17	yes	82.75	on mkt buy	AUD	ord 564	564
BlackRock Investment Management (Australia) Limited	07-Feb-17	yes	82.75	on mkt buy	AUD	ord 3,606	3,606
BlackRock Fund Advisors	07-Feb-17	no	n/a	in specie	AUD	ord 1,617	1,617
BlackRock Fund Advisors	07-Feb-17	no	n/a	in specie	AUD	ord 7,370	7,370
BlackRock Fund Advisors	07-Feb-17	no	n/a	in specie	AUD	ord 10,318	10,318
BlackRock Fund Advisors	07-Feb-17	no	n/a	in specie	AUD	ord 3,003	3,003
BlackRock Fund Advisors	07-Feb-17	no	n/a	in specie	AUD	ord 1,617	1,617
BlackRock Investment Management, LLC	08-Feb-17	yes	82.50	on mkt buy	AUD	ord 156	156
BlackRock Advisors (UK) Limited	08-Feb-17	yes	83.71	on mkt buy	AUD	ord 1,417	1,417
BlackRock Advisors (UK) Limited	08-Feb-17	yes	83.71	on mkt buy	AUD	ord 76	76
BlackRock Fund Advisors	08-Feb-17	no	n/a	in specie	AUD	ord 47	47
BlackRock Fund Advisors	08-Feb-17	no	n/a	in specie	AUD	ord 5,220	5,220
BlackRock Advisors (UK) Limited	08-Feb-17	no	n/a	collateral transfer	AUD	ord 334,072	334,072
BlackRock Investment Management, LLC	08-Feb-17	no	n/a	collateral transfer	AUD	ord 4,027	4,027
BlackRock Investment Management (UK) Limited	08-Feb-17	no	n/a	collateral transfer	AUD	ord 6,137	6,137
BlackRock Asset Management North Asia Limited	08-Feb-17	no	n/a	collateral transfer	AUD	ord 3,058	3,058
BlackRock Advisors, LLC	09-Feb-17	yes	83.42	on mkt buy	AUD	ord 7,384	7,384
BlackRock Fund Advisors	09-Feb-17	no	n/a	in specie	AUD	ord 1,125	1,125
BlackRock Fund Advisors	09-Feb-17	no	n/a	in specie	AUD	ord 2,483	2,483
BlackRock Advisors (UK) Limited	09-Feb-17	no	n/a	collateral transfer	AUD	ord 31,434	31,434
BlackRock Investment Management, LLC	09-Feb-17	no	n/a	collateral transfer	AUD	ord 22	22
BlackRock Investment Management (UK) Limited	09-Feb-17	no	n/a	collateral transfer	AUD	ord 52,049	52,049
BlackRock Asset Management North Asia Limited	09-Feb-17	no	n/a	collateral transfer	AUD	ord 36	36
BlackRock Asset Management North Asia Limited	10-Feb-17	yes	85.23	on mkt buy	AUD	ord 27	27
BlackRock Advisors (UK) Limited	10-Feb-17	yes	85.09	on mkt buy	AUD	ord 6,677	6,677
BlackRock Advisors (UK) Limited	10-Feb-17	yes	85.23	on mkt buy	AUD	ord 608	608
BlackRock Advisors (UK) Limited	10-Feb-17	no	n/a	collateral transfer	AUD	ord 38,184	38,184
BlackRock Investment Management, LLC	10-Feb-17	no	n/a	collateral transfer	AUD	ord 173	173
BlackRock Asset Management North Asia Limited	10-Feb-17	no	n/a	collateral transfer	AUD	ord 114	114
BlackRock Advisors (UK) Limited	13-Feb-17	yes	85.56	on mkt buy	AUD	ord 76	76
BlackRock Fund Advisors	13-Feb-17	no	n/a	in specie	AUD	ord 7,370	7,370

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	13-Feb-17	no	n/a	in specie	AUD	ord	4,350	4,350
BlackRock Investment Management, LLC	13-Feb-17	no	n/a	collateral transfer	AUD	ord	30	30
BlackRock Asset Management North Asia Limited	13-Feb-17	no	n/a	collateral transfer	AUD	ord	50	50
BlackRock Advisors (UK) Limited	14-Feb-17	yes	85.83	on mkt buy	AUD	ord	790	790
BlackRock Fund Advisors	14-Feb-17	no	n/a	in specie	AUD	ord	4,966	4,966
BlackRock Investment Management, LLC	14-Feb-17	no	n/a	collateral transfer	AUD	ord	6	6
BlackRock Investment Management (UK) Limited	14-Feb-17	no	n/a	collateral transfer	AUD	ord	28,716	28,716
BlackRock Advisors (UK) Limited	15-Feb-17	yes	87.61	on mkt buy	AUD	ord	1,214	1,214
BlackRock Advisors (UK) Limited	15-Feb-17	yes	87.61	on mkt buy	AUD	ord	658	658
BlackRock Investment Management (Australia) Limited	15-Feb-17	yes	87.61	on mkt buy	AUD	ord	1,175	1,175
BlackRock Fund Advisors	15-Feb-17	no	n/a	in specie	AUD	ord	17,688	17,688
BlackRock Japan Co., Ltd.	15-Feb-17	no	n/a	collateral transfer	AUD	ord	55	55
BlackRock Advisors (UK) Limited	15-Feb-17	no	n/a	collateral transfer	AUD	ord	309,462	309,462
BlackRock Investment Management, LLC	15-Feb-17	no	n/a	collateral transfer	AUD	ord	32,569	32,569
BlackRock Investment Management (UK) Limited	15-Feb-17	no	n/a	collateral transfer	AUD	ord	35,586	35,586
BlackRock Asset Management North Asia Limited	15-Feb-17	no	n/a	collateral transfer	AUD	ord	14,474	14,474
BlackRock Investment Management (UK) Limited	16-Feb-17	yes	88.00	on mkt buy	AUD	ord	2,575	2,575
BlackRock Financial Management, Inc.	16-Feb-17	yes	88.07	on mkt buy	AUD	ord	2,908	2,908
BlackRock Financial Management, Inc.	16-Feb-17	yes	88.07	on mkt buy	AUD	ord	1,042	1,042
BlackRock Fund Advisors	16-Feb-17	yes	88.05	on mkt buy	AUD	ord	2,400	2,400
BlackRock Institutional Trust Company, National Association	16-Feb-17	yes	88.07	on mkt buy	AUD	ord	2,692	2,692
BlackRock Institutional Trust Company, National Association	16-Feb-17	yes	88.07	on mkt buy	AUD	ord	541	541
BlackRock Advisors (UK) Limited	16-Feb-17	yes	88.19	on mkt buy	AUD	ord	190	190
BlackRock Advisors (UK) Limited	16-Feb-17	yes	88.19	on mkt buy	AUD	ord	380	380
BlackRock Advisors (UK) Limited	16-Feb-17	yes	88.19	on mkt buy	AUD	ord	152	152
BlackRock Institutional Trust Company, National Association	16-Feb-17	yes	88.19	on mkt buy	AUD	ord	966	966
BlackRock Fund Advisors	16-Feb-17	no	n/a	in specie	AUD	ord	221	221
BlackRock (Singapore) Limited	16-Feb-17	no	n/a	collateral transfer	AUD	ord	81	81
BlackRock Advisors (UK) Limited	16-Feb-17	no	n/a	collateral transfer	AUD	ord	85,045	85,045
BlackRock Financial Management, Inc.	16-Feb-17	no	n/a	collateral transfer	AUD	ord	1,435	1,435
BlackRock Investment Management, LLC	17-Feb-17	yes	87.07	on mkt buy	AUD	ord	394	394
BlackRock Investment Management (UK) Limited	17-Feb-17	yes	87.07	on mkt buy	AUD	ord	369	369
BlackRock Advisors (UK) Limited	17-Feb-17	yes	87.35	on mkt buy	AUD	ord	608	608
BlackRock Institutional Trust Company, National Association	17-Feb-17	yes	87.06	on mkt buy	AUD	ord	1,542	1,542
BlackRock (Singapore) Limited	17-Feb-17	no	n/a	collateral transfer	AUD	ord	205	205
BlackRock Asset Management North Asia Limited	17-Feb-17	no	n/a	collateral transfer	AUD	ord	28	28
BlackRock Advisors (UK) Limited	20-Feb-17	yes	87.35	on mkt buy	AUD	ord	790	790
BlackRock Advisors (UK) Limited	20-Feb-17	no	n/a	collateral transfer	AUD	ord	428,113	428,113
BlackRock Advisors (UK) Limited	21-Feb-17	yes	86.78	on mkt buy	AUD	ord	285	285
BlackRock Japan Co., Ltd.	21-Feb-17	yes	86.78	on mkt buy	AUD	ord	846	846
BlackRock Japan Co., Ltd.	21-Feb-17	yes	86.78	on mkt buy	AUD	ord	1,069	1,069
BlackRock Financial Management, Inc.	21-Feb-17	yes	86.78	on mkt buy	AUD	ord	3,294	3,294
BlackRock Financial Management, Inc.	21-Feb-17	yes	86.78	on mkt buy	AUD	ord	1,197	1,197
BlackRock Institutional Trust Company, National Association	21-Feb-17	yes	86.78	on mkt buy	AUD	ord	2,771	2,771
BlackRock Investment Management, LLC	21-Feb-17	yes	86.88	on mkt buy	AUD	ord	2,626	2,626
BlackRock Advisors (UK) Limited	21-Feb-17	yes	86.88	on mkt buy	AUD	ord	110	110
BlackRock Investment Management, LLC	21-Feb-17	yes	86.88	on mkt buy	AUD	ord	14,334	14,334
BlackRock Institutional Trust Company, National Association	21-Feb-17	yes	86.88	on mkt buy	AUD	ord	2,388	2,388
BlackRock Fund Advisors	21-Feb-17	no	n/a	in specie	AUD	ord	4,428	4,428
BlackRock (Singapore) Limited	21-Feb-17	no	n/a	collateral transfer	AUD	ord	14	14

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 Financial Management, Inc.	21-Feb-17	no	n/a	collateral transfer	AUD	ord 29	29
BlackRock Investment Management, LLC	21-Feb-17	no	n/a	collateral transfer	AUD	ord 13	13
BlackRock Investment Management (UK) Limited	22-Feb-17	yes	86.88	on mkt buy	AUD	ord 291	291
BlackRock Advisors (UK) Limited	22-Feb-17	yes	86.95	on mkt buy	AUD	ord 76	76
BlackRock Advisors (UK) Limited	22-Feb-17	yes	86.95	on mkt buy	AUD	ord 760	760
BlackRock Advisors (UK) Limited	22-Feb-17	yes	86.95	on mkt buy	AUD	ord 476	476
BlackRock Advisors (UK) Limited	22-Feb-17	yes	86.96	on mkt buy	AUD	ord 1,216	1,216
BlackRock Fund Advisors	22-Feb-17	no	n/a	in specie	AUD	ord 3,690	3,690
BlackRock Fund Advisors	22-Feb-17	no	n/a	in specie	AUD	ord 6,090	6,090
BlackRock (Singapore) Limited	22-Feb-17	no	n/a	collateral transfer	AUD	ord 27	27
BlackRock Financial Management, Inc.	22-Feb-17	no	n/a	collateral transfer	AUD	ord 126	126
BlackRock Investment Management (UK) Limited	22-Feb-17	no	n/a	collateral transfer	AUD	ord 65	65
BlackRock Investment Management (UK) Limited	23-Feb-17	yes	86.64	on mkt buy	AUD	ord 1,558	1,558
BlackRock Advisors (UK) Limited	23-Feb-17	yes	86.97	on mkt buy	AUD	ord 1,824	1,824
BlackRock Institutional Trust Company, National Association	23-Feb-17	yes	86.97	on mkt buy	AUD	ord 3,171	3,171
BlackRock Fund Advisors	23-Feb-17	no	n/a	in specie	AUD	ord 4,350	4,350
BlackRock Investment Management, LLC	23-Feb-17	no	n/a	collateral transfer	AUD	ord 219	219
BlackRock Investment Management (UK) Limited	23-Feb-17	no	n/a	collateral transfer	AUD	ord 1,048	1,048
BlackRock Japan Co., Ltd.	24-Feb-17	yes	86.36	on mkt buy	AUD	ord 442	442
BlackRock Japan Co., Ltd.	24-Feb-17	yes	86.36	on mkt buy	AUD	ord 538	538
BlackRock Financial Management, Inc.	24-Feb-17	yes	86.36	on mkt buy	AUD	ord 1,650	1,650
BlackRock Financial Management, Inc.	24-Feb-17	yes	86.36	on mkt buy	AUD	ord 555	555
BlackRock Institutional Trust Company, National Association	24-Feb-17	yes	86.36	on mkt buy	AUD	ord 1,442	1,442
BlackRock Advisors (UK) Limited	24-Feb-17	yes	86.31	on mkt buy	AUD	ord 1,218	1,218
BlackRock Advisors (UK) Limited	24-Feb-17	yes	86.31	on mkt buy	AUD	ord 76	76
BlackRock Investment Management (Australia) Limited	24-Feb-17	yes	86.31	on mkt buy	AUD	ord 228	228
BlackRock Fund Advisors	24-Feb-17	no	n/a	in specie	AUD	ord 4,428	4,428
BlackRock (Singapore) Limited	24-Feb-17	no	n/a	collateral transfer	AUD	ord 4	4
BlackRock Advisors (UK) Limited	24-Feb-17	no	n/a	collateral transfer	AUD	ord 421,928	421,928
BlackRock Investment Management, LLC	24-Feb-17	no	n/a	collateral transfer	AUD	ord 2	2
BlackRock Investment Management (UK) Limited	24-Feb-17	no	n/a	collateral transfer	AUD	ord 25	25
BlackRock Advisors (UK) Limited	27-Feb-17	yes	86.72	on mkt buy	AUD	ord 76	76
BlackRock Japan Co., Ltd.	27-Feb-17	no	n/a	collateral transfer	AUD	ord 34,800	34,800
BlackRock (Singapore) Limited	27-Feb-17	no	n/a	collateral transfer	AUD	ord 3	3
BlackRock Advisors (UK) Limited	27-Feb-17	no	n/a	collateral transfer	AUD	ord 8,022	8,022
BlackRock Investment Management, LLC	27-Feb-17	no	n/a	collateral transfer	AUD	ord 4	4
BlackRock Institutional Trust Company, National Association	28-Feb-17	yes	86.65	on mkt buy	AUD	ord 10,062	10,062
BlackRock Institutional Trust Company, National Association	28-Feb-17	yes	86.65	on mkt buy	AUD	ord 2,590	2,590
BlackRock Investment Management (Australia) Limited	28-Feb-17	yes	86.65	on mkt buy	AUD	ord 4,849	4,849
BlackRock Financial Management, Inc.	28-Feb-17	no	n/a	collateral transfer	AUD	ord 180	180
BlackRock Investment Management (UK) Limited	28-Feb-17	no	n/a	collateral transfer	AUD	ord 254	254
BlackRock Asset Management North Asia Limited	01-Mar-17	yes	86.60	on mkt buy	AUD	ord 749	749
BlackRock Investment Management (UK) Limited	01-Mar-17	yes	86.87	on mkt buy	AUD	ord 114	114
BlackRock Advisors (UK) Limited	01-Mar-17	yes	86.64	on mkt buy	AUD	ord 1,320	1,320
BlackRock Fund Advisors	01-Mar-17	no	n/a	in specie	AUD	ord 47	47
BlackRock Fund Advisors	01-Mar-17	no	n/a	in specie	AUD	ord 14,784	14,784
BlackRock Institutional Trust Company, National Association	01-Mar-17	no	n/a	in specie	AUD	ord 1,272	1,272

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	01-Mar-17	no	n/a	in specie	AUD	ord	830	830
BlackRock Fund Advisors	01-Mar-17	no	n/a	in specie	AUD	ord	2,463	2,463
BlackRock Advisors (UK) Limited	01-Mar-17	no	n/a	collateral transfer	AUD	ord	3,655	3,655
BlackRock Fund Advisors	02-Mar-17	yes	88.29	on mkt buy	AUD	ord	1,544	1,544
BlackRock Advisors (UK) Limited	02-Mar-17	yes	87.94	on mkt buy	AUD	ord	2,416	2,416
BlackRock Advisors (UK) Limited	02-Mar-17	yes	87.94	on mkt buy	AUD	ord	330	330
BlackRock Investment Management, LLC	02-Mar-17	yes	87.94	on mkt buy	AUD	ord	425	425
BlackRock Investment Management (Australia) Limited	02-Mar-17	yes	87.94	on mkt buy	AUD	ord	3,184	3,184
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	AUD	ord	600	600
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	AUD	ord	2,250	2,250
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	AUD	ord	924	924
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	AUD	ord	3,465	3,465
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	AUD	ord	5,904	5,904
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	AUD	ord	2,463	2,463
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	AUD	ord	9,852	9,852
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	AUD	ord	4,926	4,926
BlackRock Advisors (UK) Limited	02-Mar-17	no	n/a	collateral transfer	AUD	ord	361,490	361,490
BlackRock Investment Management (UK) Limited	02-Mar-17	no	n/a	collateral transfer	AUD	ord	73,589	73,589
BlackRock Fund Advisors	03-Mar-17	no	n/a	in specie	AUD	ord	6,875	6,875
BlackRock Fund Advisors	03-Mar-17	no	n/a	in specie	AUD	ord	2,772	2,772
BlackRock Advisors (UK) Limited	06-Mar-17	yes	87.32	on mkt buy	AUD	ord	220	220
BlackRock Advisors (UK) Limited	06-Mar-17	yes	87.32	on mkt buy	AUD	ord	67	67
BlackRock Advisors (UK) Limited	06-Mar-17	no	n/a	in specie	AUD	ord	33,814	33,814
BlackRock Fund Advisors	06-Mar-17	no	n/a	in specie	AUD	ord	750	750
BlackRock Japan Co., Ltd.	06-Mar-17	no	n/a	collateral transfer	AUD	ord	22,294	22,294
BlackRock Advisors (UK) Limited	06-Mar-17	no	n/a	collateral transfer	AUD	ord	422,983	422,983
BlackRock Investment Management, LLC	06-Mar-17	no	n/a	collateral transfer	AUD	ord	610	610
BlackRock Asset Management North Asia Limited	06-Mar-17	no	n/a	collateral transfer	AUD	ord	770	770
BlackRock Advisors (UK) Limited	07-Mar-17	yes	87.23	on mkt buy	AUD	ord	167	167
BlackRock Japan Co., Ltd.	07-Mar-17	yes	87.23	on mkt buy	AUD	ord	430	430
BlackRock Japan Co., Ltd.	07-Mar-17	yes	87.23	on mkt buy	AUD	ord	548	548
BlackRock Financial Management, Inc.	07-Mar-17	yes	87.23	on mkt buy	AUD	ord	1,393	1,393
BlackRock Financial Management, Inc.	07-Mar-17	yes	87.23	on mkt buy	AUD	ord	500	500
BlackRock Institutional Trust Company, National Association	07-Mar-17	yes	87.23	on mkt buy	AUD	ord	1,346	1,346
BlackRock Asset Management Canada Limited	07-Mar-17	yes	87.18	on mkt buy	AUD	ord	1,210	1,210
BlackRock Fund Advisors	07-Mar-17	no	n/a	in specie	AUD	ord	332	332
BlackRock Asset Management North Asia Limited	08-Mar-17	yes	87.12	on mkt buy	AUD	ord	517	517
BlackRock Investment Management (UK) Limited	08-Mar-17	yes	87.04	on mkt buy	AUD	ord	308	308
BlackRock Advisors (UK) Limited	08-Mar-17	yes	87.39	on mkt buy	AUD	ord	4,509	4,509
BlackRock Fund Advisors	08-Mar-17	no	n/a	in specie	AUD	ord	3,465	3,465
BlackRock Fund Advisors	08-Mar-17	no	n/a	in specie	AUD	ord	1,155	1,155
BlackRock Japan Co., Ltd.	08-Mar-17	no	n/a	collateral transfer	AUD	ord	22,391	22,391
BlackRock Advisors (UK) Limited	08-Mar-17	no	n/a	collateral transfer	AUD	ord	8,800	8,800
BlackRock Investment Management (UK) Limited	08-Mar-17	no	n/a	collateral transfer	AUD	ord	841	841
BlackRock Financial Management, Inc.	09-Mar-17	yes	87.28	on mkt buy	AUD	ord	1,236	1,236
BlackRock Financial Management, Inc.	09-Mar-17	yes	87.28	on mkt buy	AUD	ord	425	425
BlackRock Institutional Trust Company, National Association	09-Mar-17	yes	87.28	on mkt buy	AUD	ord	1,015	1,015
BlackRock Fund Advisors	09-Mar-17	yes	87.27	on mkt buy	AUD	ord	746	746
BlackRock Fund Advisors	09-Mar-17	no	n/a	in specie	AUD	ord	2,310	2,310
BlackRock Institutional Trust Company, National Association	09-Mar-17	no	n/a	in specie	AUD	ord	85,477	85,477
BlackRock Fund Advisors	09-Mar-17	no	n/a	in specie	AUD	ord	1,740	1,740
BlackRock Advisors (UK) Limited	09-Mar-17	no	n/a	collateral transfer	AUD	ord	327,667	327,667

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

13-Mar-17

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 (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 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)

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

.....13-Mar-17
 Kayla Mulvihill, Authorised Signatory 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 MACQUARIE GROUP LTD or the Australian Securities and Investments Commission upon request.