

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.

03-Jan-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 4,745	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		ord 14,132	14,132	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 45,036	45,036	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		ord 1,654	1,654	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 900,593	900,593	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		ord 194	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		ord 23,584	23,584	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 190,758	190,758	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 69,097	69,097	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		ord 59,556	59,556	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.	SSB-STATE STREET DUBLIN		ord 1,235,259	1,235,259	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 1,836	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.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ord 126,292	126,292	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 2,312	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		ord 148,561	148,561	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.	BNYM-BONY LUXEMBOURG		ord 2,078	2,078	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 2,102	2,102	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 6,856	6,856	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-BONY LUXEMBOURG		ord 3,205	3,205	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 56,894	56,894	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 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 44,075	44,075	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 4,799,082	4,799,082	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 334,925	334,925	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 736	736	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 117,432	117,432	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 220,412	220,412	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 144,166	144,166	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 24,348	24,348	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 3,770,393	3,770,393	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 19,502	19,502	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.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ord 2,722	2,722	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 168,026	168,026	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 809,620	809,620	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 145,643	145,643	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 22,210	22,210	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.	UBS- UBS- ZURICH		ord 27,345	27,345	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 13,943	13,943	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 136,587	136,587	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 21,455	21,455	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 294,410	294,410	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.	KAS-KAS BANK - AMSTERDAM		ord 34,509	34,509	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 CO. - CHICAGO		ord 16,194	16,194	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 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 7,663	7,663	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 8,147	8,147	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 64,618	64,618	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 19,239	19,239	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 27,892	27,892	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 186,268	186,268	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 218,010	218,010	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-SSB NEW YORK INSTITUTIONAL		ord 9,335	9,335	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 4,720	4,720	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 4,011	4,011	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.	BNYM-BONY LUXEMBOURG		ord 1,847	1,847	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 416,661	416,661	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 4,641	4,641	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	CITI-Citigroup Australia - SYDNEY		ord 16,060	16,060	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 283,923	283,923	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 272,008	272,008	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.	UBS- UBS- ZURICH		ord 1,587	1,587	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.	JPM-JPM CHASE - SYDNEY		ord 946,882	946,882	subsidiary of BlackRock Inc.

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

03-Jan-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 Investment Management (UK) Limited	30-Aug-16	no	n/a	in specie	AUD	ord	3,685	3,685
BlackRock Investment Management (Australia) Limited	30-Aug-16	yes	80.52	on mkt buy	AUD	ord	4,214	4,214
BlackRock Japan Co., Ltd.	31-Aug-16	yes	80.67	on mkt buy	AUD	ord	206	206
BlackRock Asset Management Canada Limited	31-Aug-16	yes	80.68	on mkt buy	AUD	ord	85	85
BlackRock International Limited	31-Aug-16	yes	80.68	on mkt buy	AUD	ord	1,515	1,515
BlackRock Investment Management, LLC	31-Aug-16	yes	80.68	on mkt buy	AUD	ord	303	303
BlackRock Fund Advisors	31-Aug-16	yes	80.68	on mkt buy	AUD	ord	5,097	5,097
BlackRock Fund Advisors	31-Aug-16	no	n/a	in specie	AUD	ord	1,680	1,680
BlackRock Advisors (UK) Limited	31-Aug-16	yes	80.68	on mkt buy	AUD	ord	511	511
BlackRock Investment Management (Australia) Limited	31-Aug-16	yes	80.70	on mkt buy	AUD	ord	1,176	1,176
BlackRock Advisors (UK) Limited	31-Aug-16	yes	80.70	on mkt buy	AUD	ord	376	376
BlackRock Japan Co., Ltd.	31-Aug-16	yes	80.70	on mkt buy	AUD	ord	791	791
BlackRock Institutional Trust Company, National Association	31-Aug-16	yes	80.68	on mkt buy	AUD	ord	2,973	2,973
BlackRock Institutional Trust Company, National Association	31-Aug-16	yes	80.68	on mkt buy	AUD	ord	223	223
BlackRock Investment Management, LLC	31-Aug-16	yes	80.68	on mkt buy	AUD	ord	321	321
BlackRock Investment Management (UK) Limited	31-Aug-16	yes	80.68	on mkt buy	AUD	ord	2,602	2,602
BlackRock Investment Management (Australia) Limited	31-Aug-16	yes	80.70	on mkt buy	AUD	ord	1,097	1,097
BlackRock Investment Management (Australia) Limited	31-Aug-16	yes	80.70	on mkt buy	AUD	ord	1,500	1,500
BlackRock Fund Advisors	31-Aug-16	yes	80.68	on mkt buy	AUD	ord	2,115	2,115
BlackRock Investment Management (Australia) Limited	01-Sep-16	yes	81.37	on mkt buy	AUD	ord	203	203
BlackRock Investment Management (Australia) Limited	01-Sep-16	yes	81.37	on mkt buy	AUD	ord	887	887
BlackRock Investment Management (Australia) Limited	01-Sep-16	yes	81.37	on mkt buy	AUD	ord	113	113
BlackRock Fund Advisors	01-Sep-16	no	n/a	in specie	AUD	ord	4,398	4,398
BlackRock Institutional Trust Company, National Association	01-Sep-16	yes	81.29	on mkt buy	AUD	ord	622	622
BlackRock Advisors (UK) Limited	01-Sep-16	yes	81.29	on mkt buy	AUD	ord	68	68
BlackRock Investment Management (Australia) Limited	01-Sep-16	yes	81.36	on mkt buy	AUD	ord	89	89
BlackRock Investment Management (Australia) Limited	01-Sep-16	yes	81.37	on mkt buy	AUD	ord	893	893
BlackRock Investment Management (Australia) Limited	01-Sep-16	yes	81.38	on mkt buy	AUD	ord	217	217
BlackRock Investment Management (Australia) Limited	02-Sep-16	yes	80.60	on mkt buy	AUD	ord	37	37
BlackRock Investment Management (Australia) Limited	02-Sep-16	yes	80.60	on mkt buy	AUD	ord	161	161
BlackRock Investment Management (Australia) Limited	02-Sep-16	yes	80.60	on mkt buy	AUD	ord	20	20
BlackRock Fund Advisors	02-Sep-16	yes	80.61	on mkt buy	AUD	ord	1,566	1,566
BlackRock Fund Advisors	02-Sep-16	no	n/a	in specie	AUD	ord	5,864	5,864
BlackRock Fund Advisors	02-Sep-16	yes	81.04	on mkt buy	AUD	ord	960	960
BlackRock Institutional Trust Company, National Association	02-Sep-16	yes	80.61	on mkt buy	AUD	ord	932	932
BlackRock Investment Management (Australia) Limited	02-Sep-16	yes	80.60	on mkt buy	AUD	ord	16	16
BlackRock Investment Management (Australia) Limited	02-Sep-16	yes	80.60	on mkt buy	AUD	ord	162	162
BlackRock Fund Advisors	02-Sep-16	yes	81.04	on mkt buy	AUD	ord	642	642
BlackRock Investment Management (Australia) Limited	02-Sep-16	yes	80.60	on mkt buy	AUD	ord	40	40

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BlackRock Institutional Trust Company, National Association	02-Sep-16	yes	80.60	on mkt buy	AUD	ord 707	707
BlackRock Institutional Trust Company, National Association	02-Sep-16	yes	80.60	on mkt buy	AUD	ord 411	411
BlackRock Investment Management (Australia) Limited	05-Sep-16	yes	81.87	on mkt buy	AUD	ord 228	228
BlackRock Investment Management (Australia) Limited	05-Sep-16	yes	81.87	on mkt buy	AUD	ord 999	999
BlackRock Investment Management (Australia) Limited	05-Sep-16	yes	81.87	on mkt buy	AUD	ord 128	128
BlackRock Investment Management (UK) Limited	05-Sep-16	yes	80.91	on mkt buy	AUD	ord 1,989	1,989
BlackRock Investment Management (Australia) Limited	05-Sep-16	yes	82.14	on mkt buy	AUD	ord 3,528	3,528
BlackRock Investment Management (Australia) Limited	05-Sep-16	yes	81.87	on mkt buy	AUD	ord 3,484	3,484
BlackRock Investment Management (Australia) Limited	05-Sep-16	yes	81.87	on mkt buy	AUD	ord 103	103
BlackRock Japan Co., Ltd.	06-Sep-16	yes	82.22	on mkt buy	AUD	ord 770	770
BlackRock Investment Management (Australia) Limited	07-Sep-16	yes	82.88	on mkt buy	AUD	ord 230	230
BlackRock Investment Management (Australia) Limited	07-Sep-16	yes	82.88	on mkt buy	AUD	ord 1,008	1,008
BlackRock Investment Management (Australia) Limited	07-Sep-16	yes	82.88	on mkt buy	AUD	ord 130	130
BlackRock Fund Advisors	07-Sep-16	yes	82.94	on mkt buy	AUD	ord 1,641	1,641
BlackRock Institutional Trust Company, National Association	07-Sep-16	yes	82.86	on mkt buy	AUD	ord 1,357	1,357
BlackRock Investment Management (Australia) Limited	07-Sep-16	yes	82.88	on mkt buy	AUD	ord 99	99
BlackRock Investment Management (Australia) Limited	07-Sep-16	yes	82.88	on mkt buy	AUD	ord 956	956
BlackRock Investment Management (Australia) Limited	07-Sep-16	yes	82.88	on mkt buy	AUD	ord 314	314
BlackRock Institutional Trust Company, National Association	07-Sep-16	yes	82.86	on mkt buy	AUD	ord 2,195	2,195
BlackRock Institutional Trust Company, National Association	07-Sep-16	yes	82.86	on mkt buy	AUD	ord 1,713	1,713
BlackRock Institutional Trust Company, National Association	08-Sep-16	yes	81.40	on mkt buy	AUD	ord 1,001	1,001
BlackRock Fund Advisors	08-Sep-16	no	n/a	in specie	AUD	ord 5,131	5,131
BlackRock Advisors (UK) Limited	08-Sep-16	yes	81.33	on mkt buy	AUD	ord 605	605
BlackRock Advisors (UK) Limited	08-Sep-16	yes	81.39	on mkt buy	AUD	ord 136	136
BlackRock Institutional Trust Company, National Association	09-Sep-16	yes	80.24	on mkt buy	AUD	ord 400	400
BlackRock Asset Management North Asia Limited	09-Sep-16	yes	80.24	on mkt buy	AUD	ord 687	687
BlackRock Fund Advisors	09-Sep-16	no	n/a	in specie	AUD	ord 476	476
BlackRock Advisors (UK) Limited	09-Sep-16	yes	80.36	on mkt buy	AUD	ord 1,815	1,815
BlackRock Advisors, LLC	09-Sep-16	yes	80.24	on mkt buy	AUD	ord 3,115	3,115
BlackRock Institutional Trust Company, National Association	09-Sep-16	yes	80.25	on mkt buy	AUD	ord 18,449	18,449
BlackRock Institutional Trust Company, National Association	09-Sep-16	yes	80.24	on mkt buy	AUD	ord 4,265	4,265
BlackRock Advisors (UK) Limited	09-Sep-16	yes	80.36	on mkt buy	AUD	ord 68	68
BlackRock Japan Co., Ltd.	09-Sep-16	yes	80.36	on mkt buy	AUD	ord 116	116
BlackRock Investment Management (Australia) Limited	09-Sep-16	yes	80.24	on mkt buy	AUD	ord 121	121
BlackRock Institutional Trust Company, National Association	09-Sep-16	yes	80.24	on mkt buy	AUD	ord 12,406	12,406
BlackRock Institutional Trust Company, National Association	09-Sep-16	yes	80.24	on mkt buy	AUD	ord 2,753	2,753
BlackRock Investment Management (Australia) Limited	12-Sep-16	yes	77.37	on mkt buy	AUD	ord 41,503	41,503
BlackRock Fund Advisors	12-Sep-16	no	n/a	in specie	AUD	ord 140	140
BlackRock Fund Advisors	12-Sep-16	no	n/a	in specie	AUD	ord 426	426
BlackRock Advisors (UK) Limited	12-Sep-16	yes	77.40	on mkt buy	AUD	ord 68	68
BlackRock Fund Advisors	12-Sep-16	no	n/a	in specie	AUD	ord 486	486
BlackRock Institutional Trust Company, National Association	13-Sep-16	yes	78.10	on mkt buy	AUD	ord 1,194	1,194
BlackRock Institutional Trust Company, National Association	13-Sep-16	yes	78.10	on mkt buy	AUD	ord 965	965
BlackRock Institutional Trust Company, National Association	13-Sep-16	yes	78.09	on mkt buy	AUD	ord 526	526
BlackRock Institutional Trust Company, National Association	13-Sep-16	yes	77.75	on mkt buy	AUD	ord 222	222

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BlackRock Fund Advisors	13-Sep-16	no	n/a	in specie	AUD	ord	3,450	3,450
BlackRock Institutional Trust Company, National Association	13-Sep-16	yes	78.10	on mkt buy	AUD	ord	11,573	11,573
BlackRock Institutional Trust Company, National Association	13-Sep-16	yes	78.10	on mkt buy	AUD	ord	3,116	3,116
BlackRock Investment Management (Australia) Limited	13-Sep-16	yes	78.05	on mkt buy	AUD	ord	2,988	2,988
BlackRock Investment Management (Australia) Limited	13-Sep-16	yes	78.05	on mkt buy	AUD	ord	654	654
BlackRock Institutional Trust Company, National Association	13-Sep-16	yes	78.10	on mkt buy	AUD	ord	13,443	13,443
BlackRock Institutional Trust Company, National Association	13-Sep-16	yes	78.10	on mkt buy	AUD	ord	6,599	6,599
BlackRock Fund Advisors	14-Sep-16	no	n/a	in specie	AUD	ord	3,665	3,665
BlackRock Institutional Trust Company, National Association	15-Sep-16	yes	78.22	on mkt buy	AUD	ord	912	912
BlackRock Institutional Trust Company, National Association	15-Sep-16	yes	78.22	on mkt buy	AUD	ord	701	701
BlackRock Fund Advisors	15-Sep-16	no	n/a	in specie	AUD	ord	4,398	4,398
BlackRock Fund Advisors	15-Sep-16	yes	78.68	on mkt buy	AUD	ord	1,524	1,524
BlackRock Advisors (UK) Limited	15-Sep-16	yes	78.68	on mkt buy	AUD	ord	605	605
BlackRock Advisors, LLC	15-Sep-16	yes	78.22	on mkt buy	AUD	ord	1,701	1,701
BlackRock Institutional Trust Company, National Association	15-Sep-16	yes	78.22	on mkt buy	AUD	ord	8,186	8,186
BlackRock Institutional Trust Company, National Association	15-Sep-16	yes	78.22	on mkt buy	AUD	ord	2,072	2,072
BlackRock Investment Management (Australia) Limited	15-Sep-16	yes	78.22	on mkt buy	AUD	ord	3,303	3,303
BlackRock Fund Advisors	15-Sep-16	no	n/a	in specie	AUD	ord	5,560	5,560
BlackRock Investment Management (Australia) Limited	15-Sep-16	yes	78.22	on mkt buy	AUD	ord	282	282
BlackRock Institutional Trust Company, National Association	15-Sep-16	yes	78.22	on mkt buy	AUD	ord	7,258	7,258
BlackRock Institutional Trust Company, National Association	15-Sep-16	yes	78.22	on mkt buy	AUD	ord	6,199	6,199
BlackRock Investment Management (Australia) Limited	16-Sep-16	yes	80.04	on mkt buy	AUD	ord	47,523	47,523
BlackRock Investment Management (Australia) Limited	16-Sep-16	yes	81.01	on mkt buy	AUD	ord	20,403	20,403
BlackRock Japan Co., Ltd.	16-Sep-16	yes	80.57	on mkt buy	AUD	ord	153	153
BlackRock Institutional Trust Company, National Association	16-Sep-16	yes	81.39	on mkt buy	AUD	ord	10,769	10,769
BlackRock Fund Advisors	16-Sep-16	yes	81.39	on mkt buy	AUD	ord	4,273	4,273
BlackRock Fund Advisors	16-Sep-16	yes	81.39	on mkt buy	AUD	ord	2,484	2,484
BlackRock Investment Management (Australia) Limited	16-Sep-16	yes	81.39	on mkt buy	AUD	ord	1,917	1,917
BlackRock Japan Co., Ltd.	16-Sep-16	yes	81.39	on mkt buy	AUD	ord	124	124
BlackRock Institutional Trust Company, National Association	16-Sep-16	no	n/a	in specie	AUD	ord	6,364	6,364
BlackRock Investment Management (Australia) Limited	19-Sep-16	yes	80.32	on mkt buy	AUD	ord	55	55
BlackRock Investment Management (Australia) Limited	19-Sep-16	yes	80.32	on mkt buy	AUD	ord	238	238
BlackRock Investment Management (Australia) Limited	19-Sep-16	yes	80.32	on mkt buy	AUD	ord	524	524
BlackRock Investment Management (Australia) Limited	19-Sep-16	yes	80.32	on mkt buy	AUD	ord	24	24
BlackRock Investment Management (Australia) Limited	19-Sep-16	yes	80.32	on mkt buy	AUD	ord	135	135
BlackRock Institutional Trust Company, National Association	20-Sep-16	yes	81.13	on mkt buy	AUD	ord	524	524
BlackRock Institutional Trust Company, National Association	20-Sep-16	yes	81.13	on mkt buy	AUD	ord	725	725
BlackRock Investment Management (Australia) Limited	20-Sep-16	yes	81.13	on mkt buy	AUD	ord	140	140
BlackRock Investment Management (Australia) Limited	20-Sep-16	yes	81.13	on mkt buy	AUD	ord	604	604
BlackRock Fund Advisors	20-Sep-16	yes	81.23	on mkt buy	AUD	ord	1,699	1,699
BlackRock Fund Advisors	20-Sep-16	no	n/a	in specie	AUD	ord	597	597
BlackRock Fund Advisors	20-Sep-16	yes	81.23	on mkt buy	AUD	ord	1,607	1,607
BlackRock Advisors, LLC	20-Sep-16	yes	81.13	on mkt buy	AUD	ord	1,545	1,545
BlackRock Institutional Trust Company, National Association	20-Sep-16	yes	81.13	on mkt buy	AUD	ord	6,433	6,433
BlackRock Institutional Trust Company, National Association	20-Sep-16	yes	81.13	on mkt buy	AUD	ord	1,738	1,738
BlackRock Advisors, LLC	20-Sep-16	yes	81.13	on mkt buy	AUD	ord	5,841	5,841

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BlackRock Investment Management (Australia) Limited	20-Sep-16	yes	81.13	on mkt buy	AUD	ord 1,324	1,324
BlackRock Investment Management (Australia) Limited	20-Sep-16	yes	81.13	on mkt buy	AUD	ord 62	62
BlackRock Financial Management, Inc.	20-Sep-16	yes	81.13	on mkt buy	AUD	ord 716	716
BlackRock Institutional Trust Company, National Association	20-Sep-16	yes	81.13	on mkt buy	AUD	ord 149	149
BlackRock Investment Management, LLC	20-Sep-16	yes	81.23	on mkt buy	AUD	ord 321	321
BlackRock Investment Management (Australia) Limited	20-Sep-16	yes	81.13	on mkt buy	AUD	ord 342	342
BlackRock Institutional Trust Company, National Association	20-Sep-16	yes	81.13	on mkt buy	AUD	ord 6,494	6,494
BlackRock Institutional Trust Company, National Association	20-Sep-16	yes	81.13	on mkt buy	AUD	ord 4,543	4,543
BlackRock Advisors, LLC	21-Sep-16	yes	82.03	on mkt buy	AUD	ord 6,214	6,214
BlackRock Investment Management (Australia) Limited	21-Sep-16	yes	81.78	on mkt buy	AUD	ord 6,749	6,749
BlackRock Investment Management (Australia) Limited	21-Sep-16	yes	81.78	on mkt buy	AUD	ord 664	664
BlackRock Fund Advisors	22-Sep-16	yes	82.31	on mkt buy	AUD	ord 561	561
BlackRock Fund Advisors	22-Sep-16	no	n/a	in specie	AUD	ord 668	668
BlackRock Investment Management (Australia) Limited	22-Sep-16	yes	80.65	on mkt buy	AUD	ord 1,109	1,109
BlackRock Advisors, LLC	22-Sep-16	yes	81.24	on mkt buy	AUD	ord 724	724
BlackRock Institutional Trust Company, National Association	22-Sep-16	yes	81.24	on mkt buy	AUD	ord 1,278	1,278
BlackRock Institutional Trust Company, National Association	22-Sep-16	yes	81.24	on mkt buy	AUD	ord 654	654
BlackRock Investment Management (Australia) Limited	22-Sep-16	yes	80.65	on mkt buy	AUD	ord 86,285	86,285
BlackRock Institutional Trust Company, National Association	22-Sep-16	yes	81.24	on mkt buy	AUD	ord 2,270	2,270
BlackRock Institutional Trust Company, National Association	22-Sep-16	yes	81.24	on mkt buy	AUD	ord 1,738	1,738
BlackRock Investment Management (Australia) Limited	23-Sep-16	yes	81.94	on mkt buy	AUD	ord 83	83
BlackRock Fund Advisors	23-Sep-16	no	n/a	in specie	AUD	ord 5,152	5,152
BlackRock Fund Advisors	23-Sep-16	no	n/a	in specie	AUD	ord 8,832	8,832
BlackRock Fund Advisors	23-Sep-16	yes	82.12	on mkt buy	AUD	ord 844	844
BlackRock Advisors, LLC	23-Sep-16	yes	82.12	on mkt buy	AUD	ord 3,296	3,296
BlackRock Investment Management (Australia) Limited	23-Sep-16	yes	81.94	on mkt buy	AUD	ord 1,971	1,971
BlackRock Investment Management (Australia) Limited	23-Sep-16	yes	81.94	on mkt buy	AUD	ord 281	281
BlackRock Institutional Trust Company, National Association	26-Sep-16	yes	81.69	on mkt buy	AUD	ord 16,220	16,220
BlackRock Fund Advisors	26-Sep-16	yes	81.69	on mkt buy	AUD	ord 4,752	4,752
BlackRock Fund Advisors	26-Sep-16	no	n/a	in specie	AUD	ord 334	334
BlackRock Institutional Trust Company, National Association	26-Sep-16	yes	81.69	on mkt buy	AUD	ord 2,823	2,823
BlackRock Investment Management (Australia) Limited	27-Sep-16	yes	81.44	on mkt buy	AUD	ord 556	556
BlackRock Investment Management (Australia) Limited	27-Sep-16	yes	81.44	on mkt buy	AUD	ord 45	45
BlackRock Fund Advisors	27-Sep-16	yes	80.69	on mkt buy	AUD	ord 2,106	2,106
BlackRock Fund Advisors	27-Sep-16	no	n/a	in specie	AUD	ord 334	334
BlackRock Advisors (UK) Limited	27-Sep-16	yes	82.67	on mkt buy	AUD	ord 803	803
BlackRock Advisors (UK) Limited	27-Sep-16	yes	82.67	on mkt buy	AUD	ord 188	188
BlackRock Advisors (UK) Limited	27-Sep-16	yes	82.67	on mkt buy	AUD	ord 1,128	1,128
BlackRock Advisors, LLC	27-Sep-16	yes	82.67	on mkt buy	AUD	ord 7,211	7,211
BlackRock Investment Management (Australia) Limited	27-Sep-16	yes	81.44	on mkt buy	AUD	ord 3,766	3,766
BlackRock (Netherlands) B.V.	27-Sep-16	yes	82.67	on mkt buy	AUD	ord 311	311
BlackRock Investment Management (Australia) Limited	27-Sep-16	yes	81.44	on mkt buy	AUD	ord 1,394	1,394
BlackRock Fund Advisors	27-Sep-16	yes	82.67	on mkt buy	AUD	ord 1,474	1,474
BlackRock Fund Advisors	27-Sep-16	no	n/a	in specie	AUD	ord 12,537	12,537
BlackRock Investment Management (Australia) Limited	27-Sep-16	yes	81.44	on mkt buy	AUD	ord 307	307
BlackRock Institutional Trust Company, National Association	27-Sep-16	yes	81.44	on mkt buy	AUD	ord 531	531
BlackRock (Netherlands) B.V.	28-Sep-16	yes	82.58	on mkt buy	AUD	ord 84	84
BlackRock Fund Advisors	28-Sep-16	no	n/a	in specie	AUD	ord 597	597
BlackRock Fund Advisors	28-Sep-16	no	n/a	in specie	AUD	ord 597	597
BlackRock Advisors (UK) Limited	28-Sep-16	yes	82.58	on mkt buy	AUD	ord 188	188

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BlackRock Fund Advisors	28-Sep-16	yes	82.83	on mkt buy	AUD	ord	321	321
BlackRock Investment Management (Australia) Limited	29-Sep-16	yes	83.30	on mkt buy	AUD	ord	872	872
BlackRock Investment Management (Australia) Limited	29-Sep-16	yes	83.30	on mkt buy	AUD	ord	1,866	1,866
BlackRock Asset Management Canada Limited	29-Sep-16	no	n/a	in specie	AUD	ord	2,294	2,294
BlackRock Investment Management (Australia) Limited	29-Sep-16	yes	83.30	on mkt buy	AUD	ord	588	588
BlackRock Fund Advisors	29-Sep-16	no	n/a	in specie	AUD	ord	7,310	7,310
BlackRock Investment Management (Australia) Limited	29-Sep-16	yes	83.30	on mkt buy	AUD	ord	2,466	2,466
BlackRock Investment Management (Australia) Limited	29-Sep-16	yes	83.30	on mkt buy	AUD	ord	1,928	1,928
BlackRock Investment Management (Australia) Limited	29-Sep-16	yes	83.30	on mkt buy	AUD	ord	309	309
BlackRock Asset Management Canada Limited	30-Sep-16	yes	81.94	on mkt buy	AUD	ord	1,588	1,588
BlackRock Fund Advisors	30-Sep-16	no	n/a	in specie	AUD	ord	5,117	5,117
BlackRock Investment Management (Australia) Limited	30-Sep-16	yes	81.94	on mkt buy	AUD	ord	3,192	3,192
BlackRock Fund Advisors	03-Oct-16	yes	82.55	on mkt buy	AUD	ord	4,232	4,232
BlackRock Fund Advisors	03-Oct-16	yes	82.55	on mkt buy	AUD	ord	2,431	2,431
BlackRock Advisors (UK) Limited	03-Oct-16	yes	82.28	on mkt buy	AUD	ord	3,636	3,636
BlackRock Institutional Trust Company, National Association	03-Oct-16	yes	82.28	on mkt buy	AUD	ord	1,212	1,212
BlackRock Fund Advisors	03-Oct-16	yes	82.28	on mkt buy	AUD	ord	2,551	2,551
BlackRock Investment Management (Australia) Limited	04-Oct-16	yes	82.51	on mkt buy	AUD	ord	439	439
BlackRock Investment Management (Australia) Limited	04-Oct-16	yes	82.51	on mkt buy	AUD	ord	2,080	2,080
BlackRock Investment Management (Australia) Limited	04-Oct-16	yes	82.51	on mkt buy	AUD	ord	315	315
BlackRock Investment Management, LLC	04-Oct-16	yes	82.66	on mkt buy	AUD	ord	1,495	1,495
BlackRock Investment Management, LLC	04-Oct-16	yes	82.66	on mkt buy	AUD	ord	1,405	1,405
BlackRock Investment Management (Australia) Limited	04-Oct-16	yes	82.51	on mkt buy	AUD	ord	1,467	1,467
BlackRock Investment Management (Australia) Limited	04-Oct-16	yes	82.51	on mkt buy	AUD	ord	555	555
BlackRock Institutional Trust Company, National Association	04-Oct-16	yes	82.55	on mkt buy	AUD	ord	575	575
BlackRock Fund Advisors	05-Oct-16	yes	82.25	on mkt buy	AUD	ord	2,309	2,309
BlackRock Fund Advisors	05-Oct-16	yes	82.25	on mkt buy	AUD	ord	763	763
BlackRock Investment Management (Australia) Limited	06-Oct-16	yes	83.47	on mkt buy	AUD	ord	4,851	4,851
BlackRock Investment Management (Australia) Limited	06-Oct-16	yes	83.47	on mkt buy	AUD	ord	21,667	21,667
BlackRock Investment Management (UK) Limited	06-Oct-16	yes	82.98	on mkt buy	AUD	ord	1,046	1,046
BlackRock Investment Management (Australia) Limited	06-Oct-16	yes	83.47	on mkt buy	AUD	ord	2,674	2,674
BlackRock Investment Management (Australia) Limited	06-Oct-16	yes	83.47	on mkt buy	AUD	ord	9,889	9,889
BlackRock Investment Management (Australia) Limited	06-Oct-16	yes	83.47	on mkt buy	AUD	ord	1,703	1,703
BlackRock Investment Management (Australia) Limited	06-Oct-16	yes	83.47	on mkt buy	AUD	ord	9,395	9,395
BlackRock Investment Management (Australia) Limited	06-Oct-16	yes	83.47	on mkt buy	AUD	ord	1,038	1,038
BlackRock Investment Management (Australia) Limited	07-Oct-16	yes	83.68	on mkt buy	AUD	ord	5,178	5,178
BlackRock Advisors (UK) Limited	07-Oct-16	yes	83.71	on mkt buy	AUD	ord	699	699
BlackRock (Netherlands) B.V.	07-Oct-16	yes	83.71	on mkt buy	AUD	ord	113	113
BlackRock Fund Advisors	07-Oct-16	no	n/a	in specie	AUD	ord	952	952
BlackRock Fund Advisors	07-Oct-16	yes	83.71	on mkt buy	AUD	ord	1,950	1,950
BlackRock Fund Advisors	07-Oct-16	no	n/a	in specie	AUD	ord	3,465	3,465
BlackRock Advisors (UK) Limited	07-Oct-16	yes	83.69	on mkt buy	AUD	ord	1,212	1,212
BlackRock Institutional Trust Company, National Association	07-Oct-16	yes	83.71	on mkt buy	AUD	ord	2,849	2,849
BlackRock Investment Management (Australia) Limited	07-Oct-16	yes	83.68	on mkt buy	AUD	ord	426	426
BlackRock Investment Management (Australia) Limited	07-Oct-16	yes	83.68	on mkt buy	AUD	ord	2,335	2,335
BlackRock Fund Advisors	07-Oct-16	yes	83.71	on mkt buy	AUD	ord	979	979

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			Cash	Non-cash	CCY		
BlackRock Asset Management Canada Limited	07-Oct-16	yes	83.71	on mkt buy	AUD	ord 1,469	1,469
BlackRock Investment Management (Australia) Limited	10-Oct-16	yes	83.91	on mkt buy	AUD	ord 2,536	2,536
BlackRock Investment Management (Australia) Limited	10-Oct-16	yes	83.91	on mkt buy	AUD	ord 10,015	10,015
BlackRock Investment Management (Australia) Limited	10-Oct-16	yes	83.91	on mkt buy	AUD	ord 1,299	1,299
BlackRock Investment Management (Australia) Limited	10-Oct-16	yes	83.91	on mkt buy	AUD	ord 11,464	11,464
BlackRock Investment Management (Australia) Limited	10-Oct-16	yes	83.91	on mkt buy	AUD	ord 1,050	1,050
BlackRock Investment Management (Australia) Limited	10-Oct-16	yes	83.91	on mkt buy	AUD	ord 3,611	3,611
BlackRock Investment Management (Australia) Limited	10-Oct-16	yes	83.91	on mkt buy	AUD	ord 609	609
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	83.61	on mkt buy	AUD	ord 2,292	2,292
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	83.61	on mkt buy	AUD	ord 9,050	9,050
BlackRock Japan Co., Ltd.	11-Oct-16	yes	83.54	on mkt buy	AUD	ord 416	416
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	83.61	on mkt buy	AUD	ord 1,174	1,174
BlackRock Fund Advisors	11-Oct-16	yes	83.70	on mkt buy	AUD	ord 3,151	3,151
BlackRock Fund Advisors	11-Oct-16	yes	83.45	on mkt buy	AUD	ord 1,699	1,699
BlackRock Fund Advisors	11-Oct-16	yes	83.70	on mkt buy	AUD	ord 561	561
BlackRock Advisors (UK) Limited	11-Oct-16	yes	83.45	on mkt buy	AUD	ord 803	803
BlackRock Investment Management (UK) Limited	11-Oct-16	yes	83.45	on mkt buy	AUD	ord 757	757
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	83.61	on mkt buy	AUD	ord 10,358	10,358
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	83.45	on mkt buy	AUD	ord 858	858
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	83.61	on mkt buy	AUD	ord 948	948
BlackRock (Netherlands) B.V.	11-Oct-16	yes	83.45	on mkt buy	AUD	ord 329	329
BlackRock Institutional Trust Company, National Association	11-Oct-16	yes	83.45	on mkt buy	AUD	ord 853	853
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	83.61	on mkt buy	AUD	ord 3,263	3,263
BlackRock Fund Advisors	11-Oct-16	yes	83.45	on mkt buy	AUD	ord 870	870
BlackRock Investment Management (Australia) Limited	11-Oct-16	yes	83.61	on mkt buy	AUD	ord 551	551
BlackRock Institutional Trust Company, National Association	12-Oct-16	yes	83.46	on mkt buy	AUD	ord 1,609	1,609
BlackRock Institutional Trust Company, National Association	12-Oct-16	yes	83.48	on mkt buy	AUD	ord 1,821	1,821
BlackRock Institutional Trust Company, National Association	12-Oct-16	yes	83.48	on mkt buy	AUD	ord 1,114	1,114
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	82.80	on mkt buy	AUD	ord 905	905
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	83.53	on mkt buy	AUD	ord 1,733	1,733
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	82.80	on mkt buy	AUD	ord 3,752	3,752
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	83.53	on mkt buy	AUD	ord 7,277	7,277
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	82.80	on mkt buy	AUD	ord 488	488
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	83.53	on mkt buy	AUD	ord 935	935
BlackRock Advisors (UK) Limited	12-Oct-16	yes	83.67	on mkt buy	AUD	ord 1,212	1,212
BlackRock Advisors, LLC	12-Oct-16	yes	83.48	on mkt buy	AUD	ord 1,674	1,674
BlackRock Institutional Trust Company, National Association	12-Oct-16	yes	83.48	on mkt buy	AUD	ord 14,189	14,189
BlackRock Institutional Trust Company, National Association	12-Oct-16	yes	83.48	on mkt buy	AUD	ord 2,981	2,981
BlackRock Advisors (UK) Limited	12-Oct-16	yes	83.30	on mkt buy	AUD	ord 803	803
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	82.80	on mkt buy	AUD	ord 1,575	1,575
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	83.53	on mkt buy	AUD	ord 3,020	3,020
BlackRock Institutional Trust Company, National Association	12-Oct-16	yes	83.67	on mkt buy	AUD	ord 968	968
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	82.80	on mkt buy	AUD	ord 299	299

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			Cash	Non-cash	CCY		
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	83.53	on mkt buy	AUD	ord 579	579
BlackRock Financial Management, Inc.	12-Oct-16	yes	83.48	on mkt buy	AUD	ord 595	595
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	82.80	on mkt buy	AUD	ord 1,845	1,845
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	83.53	on mkt buy	AUD	ord 3,569	3,569
BlackRock Institutional Trust Company, National Association	12-Oct-16	no	n/a	in specie	AUD	ord 6,221	6,221
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	82.80	on mkt buy	AUD	ord 188	188
BlackRock Investment Management (Australia) Limited	12-Oct-16	yes	83.53	on mkt buy	AUD	ord 359	359
BlackRock Institutional Trust Company, National Association	12-Oct-16	yes	83.48	on mkt buy	AUD	ord 14,510	14,510
BlackRock Institutional Trust Company, National Association	12-Oct-16	yes	83.48	on mkt buy	AUD	ord 8,505	8,505
BlackRock Fund Advisors	13-Oct-16	no	n/a	in specie	AUD	ord 942	942
BlackRock Fund Advisors	13-Oct-16	yes	81.94	on mkt buy	AUD	ord 1,323	1,323
BlackRock Advisors (UK) Limited	13-Oct-16	yes	81.94	on mkt buy	AUD	ord 94	94
BlackRock Advisors (UK) Limited	13-Oct-16	yes	81.94	on mkt buy	AUD	ord 282	282
BlackRock Investment Management (Australia) Limited	13-Oct-16	yes	81.94	on mkt buy	AUD	ord 1,761	1,761
BlackRock Institutional Trust Company, National Association	14-Oct-16	yes	82.03	on mkt buy	AUD	ord 736	736
BlackRock Institutional Trust Company, National Association	14-Oct-16	yes	82.03	on mkt buy	AUD	ord 572	572
BlackRock Institutional Trust Company, National Association	14-Oct-16	yes	82.03	on mkt buy	AUD	ord 337	337
BlackRock Investment Management (Australia) Limited	14-Oct-16	yes	82.05	on mkt buy	AUD	ord 2,114	2,114
BlackRock Investment Management (Australia) Limited	14-Oct-16	yes	82.05	on mkt buy	AUD	ord 8,793	8,793
BlackRock Investment Management (Australia) Limited	14-Oct-16	yes	82.05	on mkt buy	AUD	ord 1,115	1,115
BlackRock Fund Advisors	14-Oct-16	no	n/a	in specie	AUD	ord 4,640	4,640
BlackRock Advisors (UK) Limited	14-Oct-16	yes	81.95	on mkt buy	AUD	ord 2,424	2,424
BlackRock Institutional Trust Company, National Association	14-Oct-16	yes	82.03	on mkt buy	AUD	ord 562	562
BlackRock Advisors (UK) Limited	14-Oct-16	yes	81.95	on mkt buy	AUD	ord 806	806
BlackRock Investment Management (Australia) Limited	14-Oct-16	yes	82.05	on mkt buy	AUD	ord 4,862	4,862
BlackRock Investment Management (Australia) Limited	14-Oct-16	yes	82.05	on mkt buy	AUD	ord 852	852
BlackRock Investment Management (Australia) Limited	14-Oct-16	yes	82.05	on mkt buy	AUD	ord 3,748	3,748
BlackRock Investment Management (Australia) Limited	14-Oct-16	yes	82.05	on mkt buy	AUD	ord 498	498
BlackRock Institutional Trust Company, National Association	14-Oct-16	yes	82.03	on mkt buy	AUD	ord 2,491	2,491
BlackRock Institutional Trust Company, National Association	14-Oct-16	yes	82.03	on mkt buy	AUD	ord 1,721	1,721
BlackRock Investment Management (Australia) Limited	17-Oct-16	yes	81.92	on mkt buy	AUD	ord 883	883
BlackRock Investment Management (Australia) Limited	17-Oct-16	yes	81.92	on mkt buy	AUD	ord 3,673	3,673
BlackRock Institutional Trust Company, National Association	17-Oct-16	yes	81.63	on mkt buy	AUD	ord 1,166	1,166
BlackRock Institutional Trust Company, National Association	17-Oct-16	yes	81.63	on mkt buy	AUD	ord 15,041	15,041
BlackRock Investment Management (Australia) Limited	17-Oct-16	yes	81.92	on mkt buy	AUD	ord 466	466
BlackRock Fund Advisors	17-Oct-16	yes	82.09	on mkt buy	AUD	ord 8,400	8,400
BlackRock Fund Advisors	17-Oct-16	no	n/a	in specie	AUD	ord 334	334
BlackRock Institutional Trust Company, National Association	17-Oct-16	yes	82.09	on mkt buy	AUD	ord 2,233	2,233
BlackRock Investment Management (Australia) Limited	17-Oct-16	yes	81.92	on mkt buy	AUD	ord 2,030	2,030
BlackRock Investment Management (Australia) Limited	17-Oct-16	yes	81.92	on mkt buy	AUD	ord 356	356
BlackRock Investment Management (Australia) Limited	17-Oct-16	yes	81.92	on mkt buy	AUD	ord 1,565	1,565
BlackRock Institutional Trust Company, National Association	17-Oct-16	yes	81.63	on mkt buy	AUD	ord 27,037	27,037
BlackRock Investment Management (Australia) Limited	17-Oct-16	yes	81.92	on mkt buy	AUD	ord 208	208

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BlackRock Institutional Trust Company, National Association	18-Oct-16	yes	82.15	on mkt buy	AUD	ord 1,243	1,243
BlackRock Investment Management (Australia) Limited	18-Oct-16	yes	82.11	on mkt buy	AUD	ord 1,623	1,623
BlackRock Investment Management (Australia) Limited	18-Oct-16	yes	82.11	on mkt buy	AUD	ord 7,435	7,435
BlackRock Investment Management (Australia) Limited	18-Oct-16	yes	82.11	on mkt buy	AUD	ord 971	971
BlackRock Fund Advisors	18-Oct-16	no	n/a	in specie	AUD	ord 5,872	5,872
BlackRock Fund Advisors	18-Oct-16	yes	81.83	on mkt buy	AUD	ord 1,527	1,527
BlackRock Institutional Trust Company, National Association	18-Oct-16	yes	81.93	on mkt buy	AUD	ord 778	778
BlackRock Investment Management (Australia) Limited	18-Oct-16	yes	82.11	on mkt buy	AUD	ord 4,321	4,321
BlackRock Investment Management (Australia) Limited	18-Oct-16	yes	82.11	on mkt buy	AUD	ord 557	557
BlackRock Investment Management (Australia) Limited	18-Oct-16	yes	82.11	on mkt buy	AUD	ord 4,322	4,322
BlackRock Investment Management (Australia) Limited	18-Oct-16	yes	82.11	on mkt buy	AUD	ord 591	591
BlackRock Institutional Trust Company, National Association	18-Oct-16	yes	82.15	on mkt buy	AUD	ord 724	724
BlackRock Fund Advisors	19-Oct-16	yes	82.55	on mkt buy	AUD	ord 1,336	1,336
BlackRock Advisors (UK) Limited	19-Oct-16	yes	82.55	on mkt buy	AUD	ord 470	470
BlackRock Fund Advisors	19-Oct-16	yes	82.55	on mkt buy	AUD	ord 1,534	1,534
BlackRock Institutional Trust Company, National Association	19-Oct-16	yes	82.55	on mkt buy	AUD	ord 542	542
BlackRock Institutional Trust Company, National Association	19-Oct-16	yes	82.55	on mkt buy	AUD	ord 2,608	2,608
BlackRock Investment Management, LLC	20-Oct-16	no	n/a	in specie	AUD	ord 6,366	6,366
BlackRock Investment Management (Australia) Limited	20-Oct-16	yes	82.71	on mkt buy	AUD	ord 4,534	4,534
BlackRock Investment Management (Australia) Limited	20-Oct-16	yes	82.70	on mkt buy	AUD	ord 41	41
BlackRock Investment Management (Australia) Limited	20-Oct-16	yes	82.65	on mkt buy	AUD	ord 1,134	1,134
BlackRock Investment Management (Australia) Limited	20-Oct-16	yes	82.71	on mkt buy	AUD	ord 3,696	3,696
BlackRock Investment Management (Australia) Limited	20-Oct-16	yes	82.65	on mkt buy	AUD	ord 868	868
BlackRock Investment Management (Australia) Limited	20-Oct-16	yes	82.71	on mkt buy	AUD	ord 529	529
BlackRock Institutional Trust Company, National Association	20-Oct-16	yes	82.55	on mkt buy	AUD	ord 396	396
BlackRock Advisors (UK) Limited	21-Oct-16	yes	82.21	on mkt buy	AUD	ord 467	467
BlackRock Investment Management (UK) Limited	21-Oct-16	yes	82.21	on mkt buy	AUD	ord 3,221	3,221
BlackRock Fund Advisors	21-Oct-16	yes	82.21	on mkt buy	AUD	ord 855	855
BlackRock Advisors (UK) Limited	21-Oct-16	yes	82.21	on mkt buy	AUD	ord 606	606
BlackRock Asset Management Canada Limited	21-Oct-16	yes	82.42	on mkt buy	AUD	ord 77	77
BlackRock Institutional Trust Company, National Association	21-Oct-16	yes	82.21	on mkt buy	AUD	ord 1,041	1,041
BlackRock Investment Management, LLC	24-Oct-16	yes	82.42	on mkt buy	AUD	ord 4,294	4,294
BlackRock Fund Advisors	24-Oct-16	no	n/a	in specie	AUD	ord 7,340	7,340
BlackRock Investment Management (Australia) Limited	24-Oct-16	yes	82.65	on mkt buy	AUD	ord 1,194	1,194
BlackRock Investment Management (Australia) Limited	24-Oct-16	yes	82.74	on mkt buy	AUD	ord 4,761	4,761
BlackRock Investment Management (Australia) Limited	24-Oct-16	yes	82.74	on mkt buy	AUD	ord 364	364
BlackRock Investment Management (Australia) Limited	24-Oct-16	yes	82.74	on mkt buy	AUD	ord 3,421	3,421
BlackRock Investment Management (Australia) Limited	24-Oct-16	yes	82.74	on mkt buy	AUD	ord 452	452
BlackRock Advisors (UK) Limited	25-Oct-16	yes	82.81	on mkt buy	AUD	ord 90	90
BlackRock Investment Management (Australia) Limited	26-Oct-16	yes	81.29	on mkt buy	AUD	ord 146	146
BlackRock Fund Advisors	26-Oct-16	no	n/a	in specie	AUD	ord 4,660	4,660
BlackRock Fund Advisors	26-Oct-16	yes	81.05	on mkt buy	AUD	ord 769	769
BlackRock Advisors (UK) Limited	26-Oct-16	no	n/a	in specie	AUD	ord 3,898	3,898
BlackRock Advisors (UK) Limited	26-Oct-16	yes	81.05	on mkt buy	AUD	ord 127	127
BlackRock Advisors (UK) Limited	26-Oct-16	yes	81.05	on mkt buy	AUD	ord 376	376
BlackRock Japan Co., Ltd.	26-Oct-16	yes	81.05	on mkt buy	AUD	ord 106	106

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BlackRock Investment Management (Australia) Limited	26-Oct-16	yes	81.26	on mkt buy	AUD	ord 2,515	2,515
BlackRock Investment Management (Australia) Limited	26-Oct-16	yes	81.26	on mkt buy	AUD	ord 643	643
BlackRock Investment Management (Australia) Limited	26-Oct-16	yes	81.26	on mkt buy	AUD	ord 544	544
BlackRock Investment Management (Australia) Limited	26-Oct-16	yes	81.26	on mkt buy	AUD	ord 187	187
BlackRock Fund Advisors	27-Oct-16	no	n/a	in specie	AUD	ord 1,425	1,425
BlackRock Asset Management Canada Limited	27-Oct-16	yes	80.40	on mkt buy	AUD	ord 1,004	1,004
BlackRock Fund Advisors	27-Oct-16	no	n/a	in specie	AUD	ord 54	54
BlackRock Advisors, LLC	27-Oct-16	yes	80.40	on mkt buy	AUD	ord 532	532
BlackRock Fund Advisors	27-Oct-16	no	n/a	in specie	AUD	ord 7,025	7,025
BlackRock Investment Management, LLC	28-Oct-16	yes	81.76	on mkt buy	AUD	ord 4,811	4,811
BlackRock Investment Management, LLC	28-Oct-16	no	n/a	in specie	AUD	ord 2,223	2,223
BlackRock Fund Advisors	28-Oct-16	no	n/a	in specie	AUD	ord 10,276	10,276
BlackRock Fund Advisors	28-Oct-16	no	n/a	in specie	AUD	ord 501	501
BlackRock Fund Advisors	28-Oct-16	no	n/a	in specie	AUD	ord 501	501
BlackRock Advisors (UK) Limited	28-Oct-16	yes	81.76	on mkt buy	AUD	ord 658	658
BlackRock Investment Management (UK) Limited	28-Oct-16	no	n/a	in specie	AUD	ord 12,115	12,115
BlackRock Investment Management (Australia) Limited	28-Oct-16	yes	81.83	on mkt buy	AUD	ord 9,831	9,831
BlackRock Investment Management (Australia) Limited	28-Oct-16	yes	81.83	on mkt buy	AUD	ord 171	171
BlackRock Fund Advisors	28-Oct-16	no	n/a	in specie	AUD	ord 7,025	7,025
BlackRock Investment Management (Australia) Limited	28-Oct-16	yes	81.83	on mkt buy	AUD	ord 739	739
BlackRock Investment Management (UK) Limited	31-Oct-16	yes	79.84	on mkt buy	AUD	ord 118	118
BlackRock Fund Advisors	31-Oct-16	no	n/a	in specie	AUD	ord 476	476
BlackRock Fund Advisors	31-Oct-16	no	n/a	in specie	AUD	ord 167	167
BlackRock Fund Advisors	31-Oct-16	no	n/a	in specie	AUD	ord 54	54
BlackRock Advisors, LLC	31-Oct-16	yes	79.80	on mkt buy	AUD	ord 7,330	7,330
BlackRock Investment Management (UK) Limited	31-Oct-16	yes	79.80	on mkt buy	AUD	ord 330	330
BlackRock Investment Management (UK) Limited	01-Nov-16	yes	79.31	on mkt buy	AUD	ord 2,212	2,212
BlackRock Advisors (UK) Limited	01-Nov-16	yes	79.31	on mkt buy	AUD	ord 1,212	1,212
BlackRock Advisors (UK) Limited	01-Nov-16	yes	79.31	on mkt buy	AUD	ord 345	345
BlackRock Advisors (UK) Limited	01-Nov-16	yes	79.31	on mkt buy	AUD	ord 270	270
BlackRock Investment Management (Australia) Limited	02-Nov-16	yes	77.89	on mkt buy	AUD	ord 193	193
BlackRock Investment Management (Australia) Limited	02-Nov-16	yes	77.89	on mkt buy	AUD	ord 1,215	1,215
BlackRock Investment Management, LLC	02-Nov-16	no	n/a	in specie	AUD	ord 5,426	5,426
BlackRock Investment Management, LLC	02-Nov-16	no	n/a	in specie	AUD	ord 5,451	5,451
BlackRock Investment Management (Australia) Limited	02-Nov-16	yes	77.89	on mkt buy	AUD	ord 165	165
BlackRock Fund Advisors	02-Nov-16	no	n/a	in specie	AUD	ord 597	597
BlackRock Fund Advisors	02-Nov-16	no	n/a	in specie	AUD	ord 597	597
BlackRock Fund Advisors	02-Nov-16	yes	77.80	on mkt buy	AUD	ord 1,743	1,743
BlackRock Fund Advisors	02-Nov-16	no	n/a	in specie	AUD	ord 334	334
BlackRock Fund Advisors	02-Nov-16	no	n/a	in specie	AUD	ord 334	334
BlackRock Advisors (UK) Limited	02-Nov-16	yes	77.84	on mkt buy	AUD	ord 1,034	1,034
BlackRock Advisors (UK) Limited	02-Nov-16	yes	77.80	on mkt buy	AUD	ord 180	180
BlackRock Investment Management (Australia) Limited	02-Nov-16	yes	77.89	on mkt buy	AUD	ord 6,365	6,365
BlackRock Investment Management (Australia) Limited	02-Nov-16	yes	77.89	on mkt buy	AUD	ord 78	78
BlackRock Investment Management (Australia) Limited	02-Nov-16	yes	77.89	on mkt buy	AUD	ord 1,053	1,053
BlackRock Investment Management (Australia) Limited	02-Nov-16	yes	77.89	on mkt buy	AUD	ord 566	566
BlackRock Advisors (UK) Limited	03-Nov-16	yes	77.54	on mkt buy	AUD	ord 2,068	2,068
BlackRock Advisors (UK) Limited	03-Nov-16	yes	77.54	on mkt buy	AUD	ord 1,208	1,208
BlackRock Advisors (UK) Limited	03-Nov-16	yes	77.54	on mkt buy	AUD	ord 94	94
BlackRock Investment Management, LLC	03-Nov-16	yes	77.31	on mkt buy	AUD	ord 1,209	1,209
BlackRock Fund Advisors	03-Nov-16	no	n/a	in specie	AUD	ord 7,025	7,025
BlackRock Investment Management (UK) Limited	04-Nov-16	yes	77.31	on mkt buy	AUD	ord 571	571
BlackRock Fund Advisors	04-Nov-16	no	n/a	in specie	AUD	ord 952	952
BlackRock Advisors (UK) Limited	04-Nov-16	yes	77.42	on mkt buy	AUD	ord 606	606

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BlackRock Investment Management (Australia) Limited	04-Nov-16	yes	77.36	on mkt buy	AUD	ord 3,851	3,851
BlackRock Investment Management, LLC	04-Nov-16	yes	77.14	on mkt buy	AUD	ord 278	278
BlackRock Investment Management (Australia) Limited	04-Nov-16	yes	77.36	on mkt buy	AUD	ord 346	346
BlackRock Fund Advisors	07-Nov-16	no	n/a	in specie	AUD	ord 952	952
BlackRock Advisors (UK) Limited	07-Nov-16	yes	79.38	on mkt buy	AUD	ord 1,128	1,128
BlackRock Advisors (UK) Limited	08-Nov-16	no	n/a	in specie	AUD	ord 1,372	1,372
BlackRock Investment Management (Australia) Limited	08-Nov-16	yes	77.40	on mkt buy	AUD	ord 2,270	2,270
BlackRock Fund Advisors	08-Nov-16	no	n/a	in specie	AUD	ord 2,936	2,936
BlackRock Institutional Trust Company, National Association	08-Nov-16	yes	77.34	on mkt buy	AUD	ord 1,234	1,234
BlackRock Investment Management (Australia) Limited	08-Nov-16	yes	77.40	on mkt buy	AUD	ord 29,041	29,041
BlackRock Advisors (UK) Limited	09-Nov-16	yes	74.10	on mkt buy	AUD	ord 607	607
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 Fund Advisors	11-Nov-16	no	n/a	in specie	AUD	ord 476	476
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 334	334
BlackRock Advisors (UK) Limited	11-Nov-16	yes	81.97	on mkt buy	AUD	ord 2,428	2,428
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 376	376
BlackRock Investment Management (UK) Limited	11-Nov-16	no	n/a	in specie	AUD	ord 3,635	3,635
BlackRock Investment Management (Australia) Limited	14-Nov-16	yes	81.73	on mkt buy	AUD	ord 1,357	1,357
BlackRock Investment Management, LLC	14-Nov-16	yes	81.81	on mkt buy	AUD	ord 479	479
BlackRock Fund Advisors	14-Nov-16	no	n/a	in specie	AUD	ord 785	785
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 2,552	2,552
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 (Australia) Limited	14-Nov-16	yes	81.77	on mkt buy	AUD	ord 2,245	2,245
BlackRock Institutional Trust Company, National Association	14-Nov-16	no	n/a	in specie	AUD	ord 6,215	6,215
BlackRock Japan Co., Ltd.	15-Nov-16	yes	82.23	on mkt buy	AUD	ord 138	138
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 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 Investment Management (Australia) Limited	16-Nov-16	yes	82.44	on mkt buy	AUD	ord 21,484	21,484
BlackRock Advisors (UK) Limited	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 474	474
BlackRock Fund Advisors	16-Nov-16	no	n/a	in specie	AUD	ord 6,567	6,567
BlackRock Fund Advisors	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 1,757	1,757
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 Advisors (UK) Limited	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 608	608
BlackRock Advisors (UK) Limited	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 2,432	2,432
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 154	154
BlackRock Investment Management (Australia) Limited	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 469	469
BlackRock Financial Management, Inc.	16-Nov-16	yes	82.30	on mkt buy	AUD	ord 345	345
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 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 1,099	1,099
BlackRock Fund Advisors	17-Nov-16	no	n/a	in specie	AUD	ord 2,041	2,041
BlackRock Fund Advisors	17-Nov-16	no	n/a	in specie	AUD	ord 3,961	3,961
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 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

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			Cash	Non-cash	CCY		
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 Investment Management (Australia) Limited	17-Nov-16	yes	82.44	on mkt buy	AUD	ord 64,823	64,823
BlackRock Investment Management (Australia) Limited	18-Nov-16	yes	83.63	on mkt buy	AUD	ord 5,030	5,030
BlackRock Investment Management (Australia) Limited	18-Nov-16	yes	83.63	on mkt buy	AUD	ord 43	43
BlackRock Fund Advisors	18-Nov-16	no	n/a	in specie	AUD	ord 543	543
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 7,904	7,904
BlackRock Advisors (UK) Limited	18-Nov-16	yes	83.71	on mkt buy	AUD	ord 107	107
BlackRock Advisors (UK) Limited	21-Nov-16	no	n/a	in specie	AUD	ord 3,133	3,133
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	yes	83.46	on mkt buy	AUD	ord 2,432	2,432
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 Investment Management (Australia) Limited	22-Nov-16	yes	83.90	on mkt buy	AUD	ord 1,704	1,704
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 1,810	1,810
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 1,336	1,336
BlackRock Advisors (UK) Limited	23-Nov-16	yes	84.38	on mkt buy	AUD	ord 190	190
BlackRock Fund Advisors	25-Nov-16	no	n/a	in specie	AUD	ord 2,097	2,097
BlackRock Fund Advisors	28-Nov-16	yes	83.36	on mkt buy	AUD	ord 1,751	1,751
BlackRock Advisors (UK) Limited	28-Nov-16	yes	83.36	on mkt buy	AUD	ord 312	312
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 Investment Management (Australia) Limited	29-Nov-16	yes	83.87	on mkt buy	AUD	ord 144	144
BlackRock Fund Advisors	29-Nov-16	no	n/a	in specie	AUD	ord 1,864	1,864
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 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 Fund Advisors	29-Nov-16	no	n/a	in specie	AUD	ord 7,025	7,025
BlackRock Advisors (UK) Limited	30-Nov-16	no	n/a	in specie	AUD	ord 3,640	3,640
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 Investment Management (Australia) Limited	30-Nov-16	yes	83.75	on mkt buy	AUD	ord 444	444
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 14,686	14,686
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord 16,653	16,653
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord 2,731	2,731
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 675	675
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 Fund Advisors	30-Nov-16	yes	83.90	on mkt buy	AUD	ord 81,504	81,504
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 1,071	1,071
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 Investment Management (Australia) Limited	30-Nov-16	yes	83.75	on mkt buy	AUD	ord 46	46
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	83.90	on mkt buy	AUD	ord 21,816	21,816

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			Cash	Non-cash	CCY			
BlackRock Investment Management (UK) Limited	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	2,512	2,512
BlackRock Investment Management, LLC	30-Nov-16	yes	83.90	on mkt buy	AUD	ord	2,873	2,873
BlackRock Investment Management (Australia) Limited	30-Nov-16	yes	83.75	on mkt buy	AUD	ord	114	114
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 Investment Management, LLC	01-Dec-16	yes	84.56	on mkt buy	AUD	ord	135	135
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	no	n/a	in specie	AUD	ord	5,138	5,138
BlackRock Fund Advisors	02-Dec-16	no	n/a	in specie	AUD	ord	2,330	2,330
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
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 Institutional Trust Company, National Association	06-Dec-16	yes	82.46	on mkt buy	AUD	ord	15,091	15,091
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 Advisors (UK) Limited	06-Dec-16	yes	82.46	on mkt buy	AUD	ord	3,642	3,642
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 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	5,861	5,861
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	341	341
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	83.20	on mkt buy	AUD	ord	163	163
BlackRock Fund Advisors	07-Dec-16	yes	83.45	on mkt buy	AUD	ord	1,248	1,248
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 Investment Management (Australia) Limited	07-Dec-16	yes	82.76	on mkt buy	AUD	ord	3,184	3,184
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	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 Institutional Trust Company, National Association	07-Dec-16	no	n/a	in specie	AUD	ord	5,713	5,713
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 Fund Advisors	07-Dec-16	no	n/a	in specie	AUD	ord	5,608	5,608
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	83.20	on mkt buy	AUD	ord	326	326
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 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	157	157
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord	181	181
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord	314	314

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			Cash	Non-cash	CCY		
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	AUD	ord 330	330
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 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 2,330	2,330
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 4,206	4,206
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 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	yes	86.30	on mkt buy	AUD	ord 69	69
BlackRock Investment Management (Australia) Limited	13-Dec-16	yes	85.93	on mkt buy	AUD	ord 23,392	23,392
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 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 Investment Management, LLC	13-Dec-16	yes	85.88	on mkt buy	AUD	ord 209	209
BlackRock Institutional Trust Company, National Association	14-Dec-16	no	n/a	in specie	AUD	ord 3,528	3,528
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord 6,118	6,118
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 1,325	1,325
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	AUD	ord 501	501
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 1,989	1,989
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 Fund Advisors	15-Dec-16	no	n/a	in specie	AUD	ord 724	724
BlackRock Fund Advisors	15-Dec-16	no	n/a	in specie	AUD	ord 1,748	1,748
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 1,989	1,989
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

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BlackRock Asset Management North Asia Limited	16-Dec-16	no	n/a	collateral transfer	AUD	ord 2,299	2,299
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	no	n/a	in specie	AUD	ord 905	905
BlackRock Fund Advisors	16-Dec-16	no	n/a	in specie	AUD	ord 5,244	5,244
BlackRock Fund Advisors	16-Dec-16	yes	87.54	on mkt buy	AUD	ord 4,324	4,324
BlackRock Fund Advisors	16-Dec-16	no	n/a	in specie	AUD	ord 1,002	1,002
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 Investment Management (Australia) Limited	19-Dec-16	yes	87.68	on mkt buy	AUD	ord 87	87
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 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 Investment Management (Australia) Limited	19-Dec-16	no	n/a	in specie	AUD	ord 143,471	143,471
BlackRock Investment Management (Australia) Limited	19-Dec-16	yes	87.90	on mkt buy	AUD	ord 2,388	2,388
BlackRock Asset Management Canada Limited	19-Dec-16	yes	87.90	on mkt buy	AUD	ord 874	874
BlackRock Advisors (UK) Limited	19-Dec-16	yes	87.90	on mkt buy	AUD	ord 108	108
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	20-Dec-16	yes	87.43	on mkt buy	AUD	ord 1,752	1,752
BlackRock Investment Management (Australia) Limited	20-Dec-16	yes	87.24	on mkt buy	AUD	ord 265	265
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	87.25	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 Investment Management (Australia) Limited	20-Dec-16	yes	87.43	on mkt buy	AUD	ord 635	635
BlackRock Fund Advisors	20-Dec-16	yes	88.13	on mkt buy	AUD	ord 2,162	2,162
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	87.43	on mkt buy	AUD	ord 778	778
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 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 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 Advisors (UK) Limited	22-Dec-16	yes	87.68	on mkt buy	AUD	ord 430	430
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

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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 Investment Management (Australia) Limited	22-Dec-16	yes	87.08	on mkt buy	AUD	ord 837	837
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 684	684
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 Investment Management (Australia) Limited	22-Dec-16	yes	87.08	on mkt buy	AUD	ord 706	706
BlackRock Japan Co., Ltd.	23-Dec-16	no	n/a	collateral transfer	AUD	ord 17,152	17,152
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	23-Dec-16	no	n/a	in specie	AUD	ord 6,936	6,936
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 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 85	85
BlackRock Investment Management, LLC	27-Dec-16	no	n/a	collateral transfer	AUD	ord 27,355	27,355
BlackRock Investment Management (UK) Limited	27-Dec-16	no	n/a	collateral transfer	AUD	ord 28,758	28,758
BlackRock Asset Management North Asia Limited	27-Dec-16	no	n/a	collateral transfer	AUD	ord 1,877	1,877
BlackRock Fund Advisors	27-Dec-16	no	n/a	in specie	AUD	ord 513	513
BlackRock Advisors (UK) Limited	28-Dec-16	no	n/a	collateral transfer	AUD	ord 274,412	274,412
BlackRock Investment Management, LLC	28-Dec-16	no	n/a	collateral transfer	AUD	ord 135	135
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 1,734	1,734
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	AUD	ord 1,474	1,474
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 568	568
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 Fund Advisors	29-Dec-16	no	n/a	in specie	AUD	ord 2,310	2,310
BlackRock Advisors (UK) Limited	29-Dec-16	yes	88.01	on mkt buy	AUD	ord 1,216	1,216
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

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

03-Jan-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 Amstelvein 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)

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

03-Jan-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.