ASX Announcement



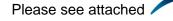
2 April 2019

Manager ASX Market Announcements Australian Securities Exchange Level 4, 20 Bridge Street Sydney NSW 2000

AMP Limited (ASX/NZX: AMP)

Client and Market Services Team NZX Limited Level 1, NZX Centre, 11 Cable Street PO Box 2959 Wellington, New Zealand

Notice of initial substantial holder



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Form 603

Corporations Act 2001 Section 671B

Notice of initial substantial holder

To Company Name/Scheme	AMP LTD
ACN/ARSN	079 354 519
1 Details of substantial holder (1)

antial holder (1)

Name I	BIACKROCK	Group	BLACKROCK	inc.	and	subsidiaries	named	ın	Annexures	
ACN/ARSN (if applicable)	to this	form)								

The holder became a substantial holder on

29/03/2019

2. Details of voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
ord	147,587,783	147,587,783	5.00

3. Details of relevant interests

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
Annexure A & D		

4. Details of present registered holders

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
see Annexure A			

5. Consideration

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration	Class and number of securities	
		Cash	Non-cash	
see Annexure B				

6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

Name and ACN/ARSN (if applicable)	Nature of association
see Annexure A	

7. Addresses

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

Name	Address
see Annexure C	

Signature

plint name Maria Tricarico	capacity	Autho	orise	d Signatory*	
sign here	date	02/	04	/2019	

* 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.

- (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.

This is Annexure A of 6 pages referred to in form 603 Notice of initial substantial shareholder

02-Apr-19 Date

Maria Tricarico, Authorised Signatory

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		d number of urities	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD	145,688	145,688	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.	KAS-KAS BANK - AMSTERDAM		ORD	35,026	35,026	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	391,687	391,687	subsidiary of BlackRock Inc.	
BlackRock (Singapore) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SINGAPORE		ORD	57,021	57,021	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	4,785,782	4,785,782	subsidiary of BlackRock Inc.	
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM - J.P. Morgan Zurich		ORD	218,444	218,444	subsidiary of BlackRock Inc.	
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - LONDON		ORD	2,386,674	2,386,674	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	787,078	787,078	subsidiary of BlackRock Inc.	

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder		d number of curities	Person's votes	Nature of Association
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET DUBLIN		ORD	6,991,335	6,991,335	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	58,727	58,727	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD	38,804	38,804	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	1,656,783	1,656,783	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.	RBC-ROYAL TRUST - TORONTO		ORD	28,495	28,495	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	23,557	23,557	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD	1,586,332	1,586,332	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	7,087	7,087	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC, HONG KONG		ORD	11,403	11,403	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Singapore		ORD	4,216	4,216	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD	82,205	82,205	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	356,903	356,903	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	410,040	410,040	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		nd number of curities	Person's votes	Nature of Association
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD	423,276	423,276	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK & TRUST TORONTO		ORD	22,793	22,793	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	514,554	514,554	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	123,510	123,510	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	38,971,242	38,971,242	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	2,403,985	2,403,985	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	38,133,587	38,133,587	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	929,992	929,992	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	RBC-ROYAL TRUST - TORONTO		ORD	32,677	32,677	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	58,273	58,273	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	1,960,311	1,960,311	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	226,960	226,960	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD	51,657	51,657	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		d number of curities	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 SACRAMENTO		ORD	7,371	7,371	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	96,882	96,882	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.	NT-NORTHERN TRUST UK		ORD	1,046,529	1,046,529	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC SYDNEY		ORD	2,798,360	2,798,360	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) _imited	Power to 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	52,574	52,574	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	5,161,890	5,161,890	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	2,440,918	2,440,918	subsidiary of BlackRock Inc
BlackRock Investment Aanagement (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	1,023,812	1,023,812	subsidiary of BlackRock Inc.
BlackRock Investment Aanagement (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 PARIBAS LON		ORD	84,414	84,414	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 PARIBAS LUX		ORD	19,214	19,214	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BANK OF NY BRUS		ORD	1,396,298	1,396,298	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ORD	1,385,747	1,385,747	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	5,280,504	5,280,504	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		d number of curities	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.	HSBC-HSBC - LONDON		ORD	2,218,388	2,218,388	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	106,454	106,454	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - LONDON		ORD	50,753	50,753	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	335,315	335,315	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO CHICAGO		ORD	190,030	190,030	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD	2,500,141	2,500,141	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	219,924	219,924	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	126,611	126,611	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	636,587	636,587	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.	SSB-STATE STREET BANK, GERMANY		ORD	176,511	176,511	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	1,822,099	1,822,099	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	1,849,345	1,849,345	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD	1,912,117	1,912,117	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		d number of urities	Person's votes	Nature of Association
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	USB-US BANK		ORD	108,567	108,567	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	63,651	63,651	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	2,005,050	2,005,050	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	41,207	41,207	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.			ORD	1,515,125	1,515,125	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.			ORD	1,056,972	1,056,972	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.			ORD	5,942,319	5,942,319	subsidiary of BlackRock Inc.

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

02-Apr-19 Date

Maria Tricarico,	
Authorised Signatory	

5. Consideration

		AMP LTC	(AMP)					
	Date of Acquisit	tion / Trans	Cons	ideration		Class an	d number of	Person's
Holder of Relevant Interest	on a prescribe		Cash	Non-cash	CCY		es affected	votes affected
BlackRock Investment Management (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	6,483	6,483
BlackRock Investment Management (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	19,455	19,455
BlackRock Advisors (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	15,920	15,920
BlackRock Advisors (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	47,755	47,755
BlackRock Advisors (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	66,050	66,050
BlackRock Advisors (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	22,019	22,019
BlackRock Advisors (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	5,280	5,280
BlackRock Advisors (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	15,845	15,845
BlackRock Advisors (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	55,892	55,892
BlackRock Advisors (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	167,671	167,671
BlackRock Fund Advisors	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	5,625	5,625
BlackRock Fund Advisors	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	16,881	16,881
BlackRock Fund Advisors	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	183,648	183,648
BlackRock Fund Advisors	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	61,218	61,218
BlackRock Fund Advisors	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	187	187
BlackRock Fund Advisors	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	570	570
BlackRock Investment Management (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	26,884	26,884
BlackRock Investment Management (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	8,961	8,961
BlackRock Japan Co., Ltd.	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	13,056	13,056
BlackRock Japan Co., Ltd.	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	4,350	4,350
BlackRock Investment Management, LLC	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	1,435	1,435
BlackRock Investment Management, LLC	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	4,308	4,308
BlackRock Investment Management (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	517,265	517,265
BlackRock Investment Management (UK) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	172,432	172,432
BlackRock Investment Management (Australia) Limited	30-Nov-18	yes	2.43	on mkt buy	AUD	ORD	5,363	5,363
BlackRock Investment Management (Australia) Limited	03-Dec-18	yes	2.49	on mkt buy	AUD	ORD	178,372	178,372
BlackRock Institutional Trust Company, National Association	04-Dec-18	yes	2.50	on mkt buy	AUD	ORD	16,851	16,851
BlackRock Advisors (UK) Limited	04-Dec-18	yes	2.45	on mkt buy	AUD	ORD	926	926
BlackRock Fund Advisors	04-Dec-18	yes	2.45	on mkt buy	AUD	ORD	29,918	29,918
BlackRock Fund Advisors	04-Dec-18	no	n/a	in specie	AUD	ORD	15,400	15,400
BlackRock Fund Advisors	04-Dec-18	no	n/a	in specie	AUD	ORD	22,170	22,170
BlackRock Fund Advisors	04-Dec-18	no	n/a	in specie	AUD	ORD	17,014	17,014
BlackRock Fund Advisors	04-Dec-18	no	n/a	in specie	AUD	ORD	9,927	9,927
BlackRock Advisors (UK) Limited	04-Dec-18	no	n/a	collateral transfer	AUD	ORD	591,342	591,342
BlackRock Investment Management (UK) Limited	06-Dec-18	no	n/a	in specie	AUD	ORD	2,670,534	2,670,534
BlackRock Fund Advisors	06-Dec-18	yes	2.46	on mkt buy	AUD	ORD	416	416
BlackRock Advisors (UK) Limited	06-Dec-18	yes	2.40	on mkt buy	AUD	ORD	34,632	34,632
BlackRock Advisors (UK) Limited	06-Dec-18	yes	2.41	on mkt buy	AUD	ORD	7,352	7,352
BlackRock Advisors (UK) Limited	06-Dec-18	yes	2.41	on mkt buy	AUD	ORD	11,880	11,880
BlackRock Fund Advisors	06-Dec-18	yes	2.41	on mkt buy	AUD	ORD	44,656	44,656
BlackRock Fund Advisors	06-Dec-18	no	n/a	in specie	AUD	ORD	21,000	21,000
BlackRock Fund Advisors	06-Dec-18	no	n/a	in specie	AUD	ORD	32,928	32,928
BlackRock Fund Advisors	06-Dec-18	no	n/a	in specie	AUD	ORD	8,350	8,350
BlackRock Fund Advisors	06-Dec-18	no	n/a	in specie	AUD	ORD	17,014	17,014
BlackRock Fund Advisors	06-Dec-18	no	n/a	in specie	AUD	ORD	106,440	106,440
BlackRock Japan Co., Ltd.	06-Dec-18	no	n/a	collateral transfer	AUD	ORD	24,471	24,471
BlackRock Financial Management, Inc.	06-Dec-18	no	n/a	collateral transfer	AUD	ORD	237	237
BlackRock Investment Management, LLC	06-Dec-18	no	n/a	collateral transfer	AUD	ORD	187,675	187,675

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BlackRock Investment Management (UK) Limited	06-Dec-18	no	n/a		collateral transfer	AUD	ORD	68,486	68,486
BlackRock Asset Management North Asia	06-Dec-18	no	n/a		collateral transfer	AUD	ORD	20,130	20,130
BlackRock Advisors (UK) Limited	07-Dec-18	yes		2.33	on mkt buy	AUD	ORD	18,873	18,873
BlackRock Fund Advisors	07-Dec-18	no	n/a		in specie	AUD	ORD	21,000	21,000
BlackRock Fund Advisors	07-Dec-18	no	n/a		in specie	AUD	ORD	14,780	14,780
BlackRock Investment Management, LLC	07-Dec-18	no	n/a		collateral transfer	AUD	ORD	3,191	3,191
BlackRock Investment Management (Australia) Limited	10-Dec-18	yes		2.28	on mkt buy	AUD	ORD	16,675	16,675
BlackRock Advisors (UK) Limited	10-Dec-18	yes		2.28	on mkt buy	AUD	ORD	4,242	4,242
BlackRock Fund Advisors	10-Dec-18	no	n/a		in specie	AUD	ORD	41,160	41,160
BlackRock Fund Advisors	10-Dec-18	no	n/a		in specie	AUD	ORD	4,683	4,683
BlackRock Fund Advisors	10-Dec-18	no	n/a		in specie	AUD	ORD	8,433	8,433
BlackRock Fund Advisors	10-Dec-18	no	n/a		in specie	AUD	ORD	25,521	25,521
BlackRock Investment Management, LLC	10-Dec-18	no	n/a		collateral transfer	AUD	ORD	1,902	1,902
BlackRock Asset Management North Asia Limited	10-Dec-18	no	n/a		collateral transfer	AUD	ORD	17	17
BlackRock Investment Management (Australia) Limited	11-Dec-18	yes		2.27	on mkt buy	AUD	ORD	33,350	33,350
BlackRock Advisors (UK) Limited	11-Dec-18	yes		2.27	on mkt buy	AUD	ORD	12,802	12,802
BlackRock Fund Advisors	11-Dec-18	no	n/a		in specie	AUD	ORD	16,800	16,800
BlackRock Fund Advisors	11-Dec-18	no	n/a		in specie	AUD	ORD	25,521	25,521
BlackRock Investment Management (UK) Limited	11-Dec-18	no	n/a		collateral transfer	AUD	ORD	23,961	23,961
BlackRock Advisors (UK) Limited	12-Dec-18	yes		2.33	on mkt buy	AUD	ORD	2,817	2,817
BlackRock Fund Advisors	12-Dec-18	no	n/a		in specie	AUD	ORD	18,200	18,200
BlackRock Fund Advisors	12-Dec-18	no	n/a		in specie	AUD	ORD	12,600	12,600
BlackRock Fund Advisors	12-Dec-18	no	n/a		in specie	AUD	ORD	44,340	44,340
BlackRock Fund Advisors	12-Dec-18	no	n/a		in specie	AUD	ORD	8,185	8,185
BlackRock Fund Advisors	12-Dec-18	no	n/a		in specie	AUD	ORD	3,345	3,345
BlackRock Fund Advisors	12-Dec-18	no	n/a		in specie	AUD	ORD	2,007	2,007
BlackRock Fund Advisors	12-Dec-18	no	n/a		in specie	AUD	ORD	21,000	21,000
BlackRock Investment Management (UK) Limited	12-Dec-18	no	n/a		collateral transfer	AUD	ORD	7,348	7,348
BlackRock Investment Management (UK) Limited	13-Dec-18	no	n/a		in specie	AUD	ORD	45,100	45,100
BlackRock Japan Co., Ltd.	13-Dec-18	no	n/a		collateral transfer	AUD	ORD	1,693	1,693
BlackRock Investment Management, LLC	13-Dec-18	no	n/a		collateral transfer	AUD	ORD	8,572	8,572
BlackRock Asset Management North Asia Limited	13-Dec-18	no	n/a		collateral transfer	AUD	ORD	833	833
BlackRock Advisors (UK) Limited	14-Dec-18	yes		2.33	on mkt buy	AUD	ORD	932	932
BlackRock Advisors (UK) Limited	14-Dec-18	yes		2.33	on mkt buy	AUD	ORD	47,253	47,253
BlackRock Fund Advisors	14-Dec-18	no	n/a		in specie	AUD	ORD	42,000	42,000
BlackRock Fund Advisors	14-Dec-18	no	n/a		in specie	AUD	ORD	17,014	17,014
BlackRock Investment Management, LLC	14-Dec-18	no	n/a		collateral transfer	AUD	ORD	8,024	8,024
BlackRock Advisors (UK) Limited	17-Dec-18	yes	1	2.36	on mkt buy	AUD	ORD	2,026	2,026
BlackRock Fund Advisors	17-Dec-18	no	n/a		in specie	AUD	ORD	12,600	12,600
BlackRock Fund Advisors BlackRock Fund Advisors	17-Dec-18 17-Dec-18	no	n/a n/a		in specie	AUD AUD	ORD ORD	36,950	36,950
BlackRock Fund Advisors	17-Dec-18 17-Dec-18	no	n/a n/a		in specie	AUD	ORD	4,434	4,434
BlackRock Japan Co., Ltd.	17-Dec-18	no no	n/a n/a		in specie collateral	AUD	ORD	64,456	64,456
BlackRock Investment Management, LLC	17-Dec-18	no	n/a		transfer collateral	AUD	ORD	5,284	5,284
BlackRock Asset Management North Asia	17-Dec-18	no	n/a		transfer collateral	AUD	ORD	649	649
Limited	40 D 40			0.00	transfer	AL 15	000		
BlackRock Advisors (UK) Limited	18-Dec-18 18-Dec-18	yes	n/a	2.36	on mkt buy	AUD AUD	ORD ORD	933	933
BlackRock Investment Management (UK) Limited		no	n/a	0.05	collateral transfer			7,923	7,923
BlackRock Investment Management (UK) Limited	19-Dec-18	yes		2.35	on mkt buy	AUD	ORD	40,783	40,783
BlackRock Advisors (UK) Limited	19-Dec-18	yes		2.39	on mkt buy	AUD	ORD	1,662	1,662
BlackRock Fund Advisors	19-Dec-18	no	n/a		in specie	AUD	ORD	25,191	25,191
BlackRock Investment Management (UK) Limited	19-Dec-18	no	n/a		collateral transfer	AUD	ORD	20,605	20,605
BlackRock Advisors (UK) Limited	20-Dec-18	yes			on mkt buy	AUD	ORD	1,663	1,663
BlackRock Advisors (UK) Limited	20-Dec-18	yes			on mkt buy	AUD	ORD	2,029	2,029
BlackRock Investment Management (UK) Limited	20-Dec-18	yes		2.38	on mkt buy	AUD	ORD	19,823	19,823

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BlackRock Association	Institutional Trust Company, National	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	2,894	2,894
	(Netherlands) B.V.	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	1,374	1,374
	Institutional Trust Company, National	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	50,499	50,499
BlackRock Association	Institutional Trust Company, National	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	12,107	12,107
	(Netherlands) B.V.	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	5,721	5,721
	Fund Advisors	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	44,792	44,792
BlackRock	Fund Advisors	20-Dec-18	no	n/a	in specie	AUD	ORD	32,624	32,624
	Fund Advisors	20-Dec-18	no	n/a	in specie	AUD	ORD	9,798	9,798
	Japan Co., Ltd.	20-Dec-18	no	n/a	collateral transfer	AUD	ORD	584	584
BlackRock	Financial Management, Inc.	20-Dec-18	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Limited	Investment Management (UK)	20-Dec-18	no	n/a	collateral transfer	AUD	ORD	7,487	7,487
BlackRock Limited	Asset Management North Asia	20-Dec-18	no	n/a	collateral transfer	AUD	ORD	849	849
	Investment Management (Australia)	21-Dec-18	yes	2.32		AUD	ORD	51,546	51,546
	Investment Management (Australia)	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	87,730	87,730
	Japan Co., Ltd.	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	139,926	139,926
	Investment Management (Australia)	21-Dec-18	yes	2.32	,	AUD	ORD	40,811	40,811
	Advisors (UK) Limited	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	400	400
	Investment Management (Australia)	21-Dec-18	yes	2.32	,	AUD	ORD	18,959	18,959
	Investment Management (Australia)	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	18,683	18,683
BlackRock	Investment Management (Australia)	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	26,335	26,335
Limited BlackRock Limited	Investment Management (Australia)	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	32,426	32,426
	Fund Advisors	21-Dec-18	no	n/a	in specie	AUD	ORD	16,800	16,800
	Fund Advisors	21-Dec-18	no	n/a	in specie	AUD	ORD	43,860	43,860
	Fund Advisors	21-Dec-18	no	n/a	in specie	AUD	ORD	7,835	7,835
BlackRock	Japan Co., Ltd.	21-Dec-18	no	n/a	collateral transfer	AUD	ORD	4,691	4,691
BlackRock	Advisors (UK) Limited	21-Dec-18	no	n/a	collateral transfer	AUD	ORD	89,967	89,967
BlackRock	Financial Management, Inc.	21-Dec-18	no	n/a	collateral transfer	AUD	ORD	28	28
BlackRock	Investment Management, LLC	21-Dec-18	no	n/a	collateral transfer	AUD	ORD	815	815
BlackRock Limited	Asset Management North Asia	21-Dec-18	no	n/a	collateral transfer	AUD	ORD	1,870	1,870
	Fund Advisors	24-Dec-18	yes	2.34	on mkt buy	AUD	ORD	18,662	18,662
	Fund Advisors	24-Dec-18	no	n/a	in specie	AUD	ORD	42,000	42,000
BlackRock	Fund Advisors	24-Dec-18	no	n/a	in specie	AUD	ORD	13,302	13,302
	Fund Advisors	24-Dec-18	no	n/a	in specie	AUD	ORD	16,794	16,794
	Fund Advisors	24-Dec-18	no	n/a	in specie	AUD	ORD	33,588	33,588
	Fund Advisors Japan Co., Ltd.	24-Dec-18 24-Dec-18	no no	n/a n/a	in specie collateral	AUD AUD	ORD ORD	<u>9,798</u> 563	9,798 563
BlackRock	Advisors (UK) Limited	24-Dec-18	no	n/a	transfer collateral	AUD	ORD	2,316,241	2,316,241
	Investment Management (UK)	24-Dec-18	no	n/a	transfer collateral	AUD	ORD	12,491	12,491
	Asset Management North Asia	24-Dec-18	no	n/a	transfer collateral	AUD	ORD	138	138
Limited	Fund Advisors	06 Dec 40		n/c	transfer		ORD	00.004	00.001
	Fund Advisors	26-Dec-18 26-Dec-18	no	n/a n/a	in specie	AUD AUD	ORD	32,624	32,624
	Fund Advisors	26-Dec-18 26-Dec-18	no no	n/a n/a	in specie in specie	AUD	ORD	11,824 32,516	11,824 32,516
	Japan Co., Ltd.	26-Dec-18	no	n/a	collateral transfer	AUD	ORD	25,955	25,955
BlackRock	Advisors (UK) Limited	26-Dec-18	no	n/a	collateral	AUD	ORD	84,141	84,141
	Financial Management, Inc.	26-Dec-18	no	n/a	transfer collateral	AUD	ORD	146	146
BlackRock	3 - - - - - - - - - -				+*****				
	Investment Management, LLC	26-Dec-18	no	n/a	transfer collateral transfer	AUD	ORD	147,200	147,200

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BlackRock Asset Management North Asia Limited	26-Dec-18	no	n/a		collateral transfer	AUD	ORD	19,286	19,286
BlackRock Investment Management, LLC	27-Dec-18	VOS		2.43	on mkt buy	AUD	ORD	54,296	54,296
BlackRock Fund Advisors	27-Dec-18	yes	n/a	2.43	in specie	AUD	ORD	57,092	57,092
BlackRock Fund Advisors	27-Dec-18	no	n/a		in specie	AUD	ORD	38,428	38,428
BlackRock Advisors (UK) Limited	27-Dec-18	no	n/a		collateral transfer	AUD	ORD	185,858	185,858
BlackRock Investment Management, LLC	27-Dec-18	no	n/a		collateral transfer	AUD	ORD	28,477	28,477
BlackRock Investment Management, LLC	28-Dec-18	yes		2.45	on mkt buy	AUD	ORD	7,291	7,291
BlackRock Investment Management, LLC	28-Dec-18	no	n/a	2.40	collateral transfer	AUD	ORD	5,139	5,139
BlackRock Investment Management (UK) Limited	28-Dec-18	no	n/a		collateral transfer	AUD	ORD	1,034	1,034
BlackRock Financial Management, Inc.	31-Dec-18	no	n/a		in specie	AUD	ORD	17,759	17,759
BlackRock Institutional Trust Company, National	31-Dec-18	yes	n/a	2.45	on mkt buy	AUD	ORD	19,318	19,318
Association	01 200 10	yee		2.10	on mice buy	100	OND	10,010	10,010
BlackRock Fund Advisors	31-Dec-18	no	n/a		in specie	AUD	ORD	38,955	38,955
BlackRock Japan Co., Ltd.	31-Dec-18	no	n/a		collateral	AUD	ORD	1,801	1,801
					transfer			.,	.,
BlackRock Financial Management, Inc.	31-Dec-18	no	n/a		collateral transfer	AUD	ORD	19	19
BlackRock Japan Co., Ltd.	01-Jan-19	no	n/a		collateral transfer	AUD	ORD	527	527
BlackRock Financial Management, Inc.	01-Jan-19	no	n/a		collateral transfer	AUD	ORD	5	5
BlackRock Investment Management, LLC	01-Jan-19	no	n/a		collateral transfer	AUD	ORD	3,674	3,674
BlackRock Asset Management North Asia Limited	01-Jan-19	no	n/a		collateral transfer	AUD	ORD	244	244
BlackRock Advisors (UK) Limited	02-Jan-19	yes		2.44	on mkt buy	AUD	ORD	1,013	1,013
BlackRock Institutional Trust Company, National Association	02-Jan-19	yes		2.44	on mkt buy	AUD	ORD	69,117	69,117
BlackRock Asset Management Canada Limited	02-Jan-19	yes		2.44	on mkt buy	AUD	ORD	34,983	34,983
BlackRock Fund Advisors	02-Jan-19	no	n/a		in specie	AUD	ORD	41,384	41,384
BlackRock Fund Advisors	02-Jan-19	no	n/a		in specie	AUD	ORD	6,532	6,532
BlackRock Fund Advisors	02-Jan-19	no	n/a		in specie	AUD	ORD	38,955	38,955
BlackRock Fund Advisors	02-Jan-19	no	n/a		in specie	AUD	ORD	25,191	25,191
BlackRock Japan Co., Ltd.	02-Jan-19	no	n/a		collateral transfer	AUD	ORD	621	621
BlackRock Financial Management, Inc.	02-Jan-19	no	n/a		collateral transfer	AUD	ORD	3	3
BlackRock Investment Management (UK) Limited	02-Jan-19	no	n/a		collateral transfer	AUD	ORD	1,395,793	1,395,793
BlackRock Asset Management North Asia Limited	02-Jan-19	no	n/a		collateral transfer	AUD	ORD	271	271
BlackRock Investment Management (Australia) Limited	03-Jan-19	yes		2.47	on mkt buy	AUD	ORD	82,414	82,414
BlackRock Fund Advisors	03-Jan-19	no	n/a		in specie	AUD	ORD	25,191	25,191
BlackRock Japan Co., Ltd.	03-Jan-19	no	n/a		collateral transfer	AUD	ORD	241	241
BlackRock Advisors (UK) Limited	03-Jan-19	no	n/a		collateral transfer	AUD	ORD	51,864	51,864
BlackRock Financial Management, Inc.	03-Jan-19	no	n/a		collateral transfer	AUD	ORD	3	3
BlackRock Investment Management, LLC	03-Jan-19	no	n/a		collateral transfer	AUD	ORD	5,236	5,236
BlackRock Investment Management (UK) Limited	03-Jan-19	no	n/a		collateral transfer	AUD	ORD	220,068	220,068
BlackRock Institutional Trust Company, National Association	04-Jan-19	yes		2.43	on mkt buy	AUD	ORD	8,762	8,762
BlackRock Institutional Trust Company, National Association	04-Jan-19	yes		2.43	on mkt buy	AUD	ORD	732,648	732,648
BlackRock Fund Advisors	04-Jan-19	no	n/a		in specie	AUD	ORD	12,600	12,600
BlackRock Fund Advisors	04-Jan-19	no	n/a		in specie	AUD	ORD	31,410	31,410
BlackRock Fund Advisors	04-Jan-19	no	n/a		in specie	AUD	ORD	12,032	12,032
BlackRock Fund Advisors	04-Jan-19	no	n/a		in specie	AUD	ORD	16,866	16,866
BlackRock Fund Advisors	04-Jan-19	no	n/a		in specie	AUD	ORD	8,868	8,868
BlackRock Fund Advisors	04-Jan-19	no	n/a		in specie	AUD	ORD	3,266	3,266
BlackRock Investment Management, LLC	04-Jan-19	no	n/a		collateral transfer	AUD	ORD	2,690	2,690
BlackRock Advisors (UK) Limited	07-Jan-19	yes		2.51	on mkt buy	AUD	ORD	2,722	2,722
BlackRock Institutional Trust Company, National Association	07-Jan-19	yes		2.51	on mkt buy	AUD	ORD	176,665	176,665
BlackRock Investment Management, LLC	07-Jan-19	yes		2.52	on mkt buy	AUD	ORD	27,897	27,897

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BlackRock Japan Co., Ltd.	07-Jan-19	no	n/a		collateral transfer	AUD	ORD	1,482	1,482
BlackRock Advisors (UK) Limited	07-Jan-19	no	n/a		collateral transfer	AUD	ORD	167,262	167,262
BlackRock Financial Management, Inc.	07-Jan-19	no	n/a		collateral transfer	AUD	ORD	16	16
BlackRock Investment Management (UK) Limited	07-Jan-19	no	n/a		collateral transfer	AUD	ORD	7,931	7,931
BlackRock Asset Management North Asia Limited	07-Jan-19	no	n/a		collateral transfer	AUD	ORD	998	998
BlackRock Financial Management, Inc.	08-Jan-19	yes		2.56	on mkt buy	AUD	ORD	4,829	4,829
BlackRock Fund Advisors	08-Jan-19	no	n/a		in specie	AUD	ORD	9,772	9,772
BlackRock Fund Advisors	08-Jan-19	no	n/a		in specie	AUD	ORD	16,330	16,330
BlackRock Financial Management, Inc.	08-Jan-19	no	n/a		collateral transfer	AUD	ORD	63	63
BlackRock Investment Management (UK) Limited	08-Jan-19	no	n/a		collateral transfer	AUD	ORD	2,009	2,009
BlackRock Investment Management (Australia) Limited	09-Jan-19	yes		2.56	on mkt buy	AUD	ORD	78,979	78,979
BlackRock Advisors (UK) Limited	09-Jan-19	yes		2.56	on mkt buy	AUD	ORD	7,287	7,287
BlackRock Advisors (UK) Limited	09-Jan-19	yes		2.56	on mkt buy		ORD	5,460	5,460
BlackRock Japan Co., Ltd. BlackRock Financial Management, Inc.	09-Jan-19 09-Jan-19	no	n/a n/a		collateral transfer collateral	AUD	ORD	1,124	1,124
		no			transfer		ORD		202
BlackRock Investment Management, LLC	09-Jan-19	no	n/a		collateral transfer	AUD	ORD	202	659
BlackRock Asset Management North Asia Limited	09-Jan-19	no	n/a	0.50	collateral transfer	AUD		659	
BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited	10-Jan-19 10-Jan-19	yes		2.56 2.56	on mkt buy	AUD AUD	ORD ORD	13,524	<u>13,524</u> 1,372
BlackRock Advisors (UK) Limited	10-Jan-19	yes		2.56 2.56	on mkt buy on mkt buy	AUD	ORD	1,372 2,744	2,744
BlackRock Advisors (UK) Limited	10-Jan-19	yes yes		2.56	on mkt buy	AUD	ORD	1,914	1,914
BlackRock Fund Advisors	10-Jan-19	no	n/a	2.00	in specie	AUD	ORD	11,244	11,244
BlackRock Japan Co., Ltd.	10-Jan-19	no	n/a		collateral transfer	AUD	ORD	2,352	2,352
BlackRock Investment Management, LLC	10-Jan-19	no	n/a		collateral transfer	AUD	ORD	7,765	7,765
BlackRock Institutional Trust Company, National Association	11-Jan-19	no	n/a		in specie	AUD	ORD	259,359	259,359
BlackRock Advisors (UK) Limited	11-Jan-19	yes		2.54	on mkt buy	AUD	ORD	6,778	6,778
BlackRock Advisors (UK) Limited	11-Jan-19	yes		2.54	on mkt buy	AUD	ORD	6,573	6,573
BlackRock Advisors (UK) Limited	11-Jan-19	yes		2.54	on mkt buy	AUD	ORD	5,801	5,801
BlackRock Institutional Trust Company, National Association	11-Jan-19	yes		2.54	on mkt buy	AUD	ORD	11,435	11,435
BlackRock Japan Co., Ltd.	11-Jan-19	no	n/a		collateral transfer	AUD	ORD	6	6
BlackRock Financial Management, Inc.	11-Jan-19	no	n/a		collateral transfer	AUD	ORD	3	3
BlackRock Investment Management (UK) Limited	11-Jan-19	no	n/a		collateral transfer	AUD	ORD	10,344	10,344
BlackRock Asset Management North Asia Limited	11-Jan-19	no	n/a		collateral transfer	AUD	ORD	885	885
BlackRock Japan Co., Ltd.	14-Jan-19	no	n/a		collateral transfer	AUD	ORD	3,120	3,120
BlackRock Financial Management, Inc.	14-Jan-19	no	n/a		collateral transfer	AUD	ORD	21	21
BlackRock Investment Management, LLC	14-Jan-19	no	n/a		collateral transfer	AUD	ORD	4,299	4,299
BlackRock Asset Management North Asia Limited	14-Jan-19	no	n/a		collateral transfer	AUD	ORD	1,250	1,250
BlackRock Advisors (UK) Limited	15-Jan-19	yes		2.54	on mkt buy	AUD	ORD	6,779	6,779
BlackRock Advisors (UK) Limited	15-Jan-19	yes		2.57	on mkt buy	AUD	ORD ORD	1,791	1,791
BlackRock Japan Co., Ltd.	15-Jan-19	no	n/a		collateral transfer	AUD		1,913	1,913
BlackRock Advisors (UK) Limited	15-Jan-19	no	n/a		collateral transfer	AUD	ORD	196,000	196,000
BlackRock Investment Management (UK) Limited	15-Jan-19	no	n/a	0.5-	collateral transfer	AUD	ORD	8,074	8,074
BlackRock Investment Management (Australia) Limited	16-Jan-19	yes		2.57	on mkt buy	AUD	ORD	45,285	45,285
BlackRock Advisors (UK) Limited	16-Jan-19	yes			on mkt buy	AUD	ORD	925	925
BlackRock Advisors (UK) Limited	16-Jan-19	yes			on mkt buy		ORD	1,663	1,663
BlackRock Advisors (UK) Limited BlackRock Investment Management (Australia)	16-Jan-19 16-Jan-19	yes		2.56 2.56	on mkt buy on mkt buy	AUD AUD	ORD ORD	1,663 119,710	1,663 119,710
Limited	10-0411-19	yes		2.00	on nikt buy	700		119,710	118,710

Association BiochRoot Fund Advisors I G-Jan-19 no r/n in specie AUD ORD 35,088 35,088 BiochRoot Fund Advisors I G-Jan-19 no r/n in specie AUD ORD 12,079 20,677 BiochRoot Advisors IUS Junited I T-Jan-19 r/n r/n in specie AUD ORD 23,000 33					Consi	deration				Person's
Association International and the second state of the second state	Holder of Relevant Interest	-			ash	Non-cash	ССҮ			votes
Bischer Fund Autweiner Bischer Kerner Management (1) Einscher		16-Jan-19	yes		2.56	on mkt buy	AUD	ORD	15,495	15,495
Linked transfer BlackRook Asset Managemen Charles (Ink) Immig 17-Jan 19 yes 2.85 or net bay. AUD ORD 23.087 23.097		16-Jan-19	no	n/a		in specie	AUD	ORD	35,088	35,088
BlackRock Asses Management Canada Limited 17-Jan-19 no n/a in specie AUD ORD 20.075 20.075 BlackRock Advisors (UK) Limited 17-Jan-19 yes 2.62 on mit buy AUD ORD 24.457 24.457 BlackRock Advisors (UK) Limited 17-Jan-19 yes 2.62 on mit buy AUD ORD 2.457 7.24.457 BlackRock Advisors (UK) Limited 17-Jan-19 res 2.62 on mit buy AUD ORD 7.75 7.77 BlackRock Asses Management, Inc. 17-Jan-19 roo r/a collestral AUD ORD 6.64 0.04 BlackRock Asses Management, Inc. 17-Jan-19 roo r/a collestral AUD ORD 6.64 0.04 LinekRock Advisors (UK) Limited 21-Jan-19 roo r/a collestral AUD ORD 1.6,37 7.75,87 LinekRock Advisors (UK) Limited 21-Jan-19 yes 2.65 on mit buy AUD ORD 1.77,75 7.77	BlackRock Investment Management (UK)	16-Jan-19	no	n/a		collateral	AUD	ORD	15,069	15,069
BlackRock Advisors (UK) Limited 17-Jan-19 yes 2.62 or mki tuy AUD ORD 1.734 BlackRock Advisors (UK) Limited 17-Jan-19 no		17-Jan-19	no	n/a			AUD	ORD	20,675	20,675
BlackRock Advisors (UK) Limited 17-Jan-19 yes 2.62 or mki tuy AUD ORD 1.734 BlackRock Advisors (UK) Limited 17-Jan-19 no										
BiackRok Advisors (UK) Linited 17-Jan-19 res 2.62 or mki kuy AUD ORD 5.776 BiackRok K and Advisors 17-Jan-19 no r/a in specie AUD ORD 6.376 6.376 BiackRok Kaper 17-Jan-19 no r/a in specie AUD ORD 6.376 6.378 BiackRok Kaper 17-Jan-19 no r/a collateral AUD ORD 16 18 BiackRok Asset Management, Inc. 17-Jan-19 no r/a collateral AUD ORD 6.44 6.44 Linkd 11-Jan-19 no r/a collateral AUD ORD 16 18 BiackRok Advace (IK) Linkd 21-Jan-19 yes 2.63 ornki bby AUD ORD 16.724 9.728 BiackRok Advace (IK) Linkd 22-Jan-19 yes 2.63 ornki bby AUD ORD 16.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744			,							
Black Rock Fund Advisors 17-Jan-19 no na in specie AUD ORD 9.376 9.376 9.376 Black Rock Japan Co., Ltd. 17-Jan-19 no nia collateral AUD ORD 2.0144 2.010 0.01 0.012 2.130 1.014 2.014 2.014 2.014 2.014 2.014 2.014 2.014 2.014 2.014 2.014 2.014 2.014 2.014 1.014 1.014 1.014 1.014			,							
Black Rock Jund Advisors 17-Jan-19 no r/a in specier AUD ORD 2,714 2,714 Black Rock Jana To-Jan-19 no r/a collateral AUD ORD 2,014 2,014 2,014 Black Rock Financial Management, Inc. 17-Jan-19 no r/a collateral AUD ORD 2,430 2,430 Black Rock Investment Management, Inc. 17-Jan-19 no r/a collateral AUD ORD 2,430 2,430 Black Rock Advisors (IVC) Linited 18-Jan-19 yes 2,260 orn rik toy AUD ORD 6,641 6,641 Black Rock Advisors (IVC) Linited 22-Jan-19 yes 2,630 orn rik toy AUD ORD 6,843 6,343 6,3433 6,3433 6,3433 6,3433 6,3433 6,3433 6,3443 6,3443 6,3443 6,447,954 1,1416 1,1416 1,4146 1,4146 1,4146 1,4146 1,4146 1,4146 1,4146 1,4146 1,4146 <t< td=""><td></td><td></td><td></td><td>n/o</td><td>2.62</td><td></td><td></td><td></td><td></td><td></td></t<>				n/o	2.62					
BlackRok Japan Co., Lt. 17-Jan-19 no										
BackRock Financial Management, Inc. 17. Jan.19 no n/a Collatorial AUD ORD 2.430 2.430 BlackRock Investment Management, LLC 17. Jan.19 no n/a Collatorial AUD ORD 604 604 BlackRock Investment Management (Australia) 18. Jan.19 yes 2.66 on mkb uy AUD ORD 614 634 BlackRock Advisors (VG) Limited 21. Jan.19 yes 2.63 on mkb uy AUD ORD 18.722 19.722 BlackRock Advisors (VG) Limited 22. Jan.19 yes 2.63 on mkb uy AUD ORD 1.74 1.1378 BlackRock Advisors (VG) Limited 22. Jan.19 yes 2.63 on mkb uy AUD ORD 1.416 <						•				
BackRock Investment Management, LLC 17Jan.19 no né ransfer ADD ORD 2.430 2.430 BlackRock Asset Management Noth Axia 17Jan.19 no né collaberal ADD ORD 67.6 67.6 BlackRock Advisors (UK) Limited 21Jan.19 yes 2.63 nmk buy ADD ORD 15.722 15.722 BlackRock Advisors (UK) Limited 22Jan.19 yes 2.63 nmk buy ADD ORD 6.761 6.761 BlackRock Advisors (UK) Limited 22Jan.19 yes 2.63 nm kbuy ADD ORD 1.717-43.173 BlackRock Advisors (UK) Limited 22Jan.19 yes 2.59 nm kbuy ADD ORD 1.416 1.416 BlackRock Advisors (UK) Limited 23Jan.19 yes 2.59 nm kbuy ADD ORD 1.416 1.416 BlackRock Advisors (UK) Limited 23Jan.19 yes 2.54 nm kbuy ADD ORD 1.416 1.416 1.416 1.416						transfer				
BlackRock Advisors (UK) Limited 17-Jan-19 no n/a Collaberal AUD RFA BlackRock Newsement Management (Australia) 18-Jan-19 yes 2.63 nmk buy AUD ORD 6.76 87 BlackRock Advisors (UK) Limited 22-Jan-19 yes 2.63 nmk buy AUD ORD 6.761 6.761 BlackRock Advisors (UK) Limited 22-Jan-19 yes 2.63 nm kb uy AUD ORD 1.713 1.73 <t< td=""><td></td><td></td><td>no</td><td></td><td></td><td>transfer</td><td></td><td></td><td></td><td></td></t<>			no			transfer				
Limited transfer BiackRock Investment Management (Australia) 18-Jan-19 yes 2.66 on mik buy AUD ORD 75.897 75.897 BiackRock Advisors (UK) Limited 22-Jan-19 yes 2.63 on mik buy AUD ORD 6.761 5.761 BiackRock Advisors (UK) Limited 22-Jan-19 yes 2.63 on mik buy AUD ORD 6.741 7.1373 BiackRock Advisors (UK) Limited 22-Jan-19 yes 2.69 on mik buy AUD ORD 1.1416 1.416 Limited 22-Jan-19 yes 2.59 on mik buy AUD ORD 1.416 1.416 BiackRock Advisors (UK) Limited 23-Jan-19 yes 2.59 on mik buy AUD ORD 1.4416 1.416	BlackRock Investment Management, LLC	17-Jan-19	no	n/a			AUD	ORD	2,430	2,430
BlackRock Advisors (UK) Limited 18-Jan-19 yes 2.66 on mkt buy AUD ORD 75.897 75.897 BlackRock Advisors (UK) Limited 21-Jan-19 yes 2.63 on mkt buy AUD ORD 0.721 19.722 19.722 19.723 19.723 19.723 19.723 19.733 13.739 13.739 13.739 13.739 13.739 13.739 13.739 13.739 13.739 13.73 13.74 13.74 <t< td=""><td></td><td>17-Jan-19</td><td>no</td><td>n/a</td><td></td><td></td><td>AUD</td><td>ORD</td><td>604</td><td>604</td></t<>		17-Jan-19	no	n/a			AUD	ORD	604	604
BlackRock Advisors (UK) Limited 21-Jan-19 yes 2.62 omkt buy AUD ORD 19.722 19.722 BlackRock Advisors (UK) Limited 22-Jan-19 yes 2.63 omkt buy AUD ORD 1,376 1,379 1,379 BlackRock Advisors (UK) Limited 22-Jan-19 yes 2.63 omkt buy AUD ORD 63,493 63,493 BlackRock Advisors (UK) Limited 23-Jan-19 yes 2.59 omkt buy AUD ORD 1,416	BlackRock Investment Management (Australia)	18-Jan-19	yes		2.66		AUD	ORD	75,897	75,897
BlackRock Advisors (UK) Limited 22-Jan-19 yes 2.63 omk tuy AUD ORD 6,761 6,741 6,761 6,743 6,743 6,743 6,743 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 6,741 7,734 7,773 6,741 7,734 7,773 6,741 7,743 7,773 <		21-Jan-19	ves		2.62	on mkt buv	AUD	ORD	19,722	19,722
BiackRock Advisors (UK) Limited 22-Jan-19 yes 2.63 om kt buy AUD ORD 1.379 1.379 BiackRock Advisors (UK) Limited 22-Jan-19 yes 2.63 om kt buy AUD ORD 63.493 63.493 BiackRock Advisors (UK) Limited 23-Jan-19 yes 2.59 on kt buy AUD ORD 1.416 1.416 BiackRock Advisors (UK) Limited 23-Jan-19 yes 2.59 on kt buy AUD ORD 1.416 1.416 BiackRock Advisors (UK) Limited 23-Jan-19 yes 2.59 on kt buy AUD ORD 5.444.904 5.444.904 BiackRock Advisors (UK) Limited 24-Jan-19 yes 2.54 on kt buy AUD ORD 154.191 154.191 BiackRock Institutional Trus Company, National 24-Jan-19 yes 2.34 on kt buy AUD ORD 154.99 41.906 41.906 41.906 41.906 41.906 41.906 41.906 41.906 41.906 41.906 41.92 4									,	6,761
BlackRock Advisors (UK) Limited 22-Jan-19 yes 2.63 om kt buy AUD ORD 1.416 1.416 BlackRock Investment Management (Australia) 22-Jan-19 yes 2.63 om kt buy AUD ORD 43.43 63.493 Limited 23-Jan-19 yes 2.59 om kt buy AUD ORD 1.416 1.416 BlackRock Advisors (UK) Limited 23-Jan-19 yes 2.59 om kt buy AUD ORD 1.416 1.416 BlackRock Advisors (UK) Limited 23-Jan-19 yes 2.59 om kt buy AUD ORD 5.444.904 BlackRock Advisors (UK) Limited 24-Jan-19 yes 2.54 om kt buy AUD ORD 15.91 15.4191 154.1191 BlackRock Investment Management (Australia) 25-Jan-19 yes 2.34 om kt buy AUD ORD 19.998 19.989 Limited 29-Jan-19 yes 2.30 om kt buy AUD ORD 41.905 41.905 BlackRock										1,379
BlackRock Investment Management (Australia) 22-Jan-19 yes 2.83 on mkt buy AUD ORD 63.493 63.493 BlackRock Avisors (UK) Limited 23-Jan-19 yes 2.59 on mkt buy AUD ORD 171.56 417.156 BlackRock Avisors (UK) Limited 23-Jan-19 yes 2.59 on mkt buy AUD ORD 174.346 177.346 <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1,416</td>			-							1,416
BlackRock Investment Management (Australia) 23-Jan-19 yes 2.59 on mkt buy AUD ORD 417,156 417,156 BlackRock Advisors (UK) Limited 23-Jan-19 yes 2.59 on mkt buy AUD ORD 1.416 1.416 BlackRock Advisors (UK) Limited 23-Jan-19 no n'a collateral AUD ORD 5,444,904 5,441,904 5,419 1564,191	• • •	22-Jan-19	yes		2.63	on mkt buy	AUD	ORD	63,493	63,493
BiackRock Advisors (UK) Limited 23-Jan-19 yes 2.59 on mkt buy AUD ORD 1.416 1.416 BiackRock Advisors (UK) Limited 23-Jan-19 no n/a collateral AUD ORD 77.346 77.346 BiackRock Advisors (UK) Limited 24-Jan-19 yes 2.54 on mkt buy AUD ORD 6.762 6.762 BiackRock Investment Management (Australia) 24-Jan-19 yes 2.34 on mkt buy AUD ORD 10.4 (19) 154, 191 BiackRock Investment Management (Australia) 24-Jan-19 yes 2.34 on mkt buy AUD ORD 19,998 19,998 Limited 25-Jan-19 yes 2.34 on mkt buy AUD ORD 41,905 41,905 BiackRock Advisors (UK) Limited 25-Jan-19 yes 2.34 on mkt buy AUD ORD 4,120 At 1905 BiackRock Advisors (UK) Limited 29-Jan-19 yes 2.30 on mkt buy AUD ORD 4,120 4,120 <	BlackRock Investment Management (Australia)	23-Jan-19	yes		2.59	on mkt buy	AUD	ORD	417,156	417,156
BiackRock Advisors (UK) Limited 23-Jan-19 yes 2.59 on mkt buy AUD ORD 177.346 BiackRock Advisors (UK) Limited 23-Jan-19 no n/a collateral AUD ORD 5,444,904 5,444,904 BiackRock Advisors (UK) Limited 24-Jan-19 yes 2.54 on mkt buy AUD ORD 164,191 154,191 BiackRock Institutional Trust Company, National 24-Jan-19 yes 2.34 on mkt buy AUD ORD 164,191 154,191 BiackRock Investment Management (Australia) 25-Jan-19 yes 2.34 on mkt buy AUD ORD 14,195 154,191 BiackRock Investment Management (Australia) 25-Jan-19 yes 2.34 on mkt buy AUD ORD 41,205 41,905 BiackRock Institutional Trust Company, National 29-Jan-19 yes 2.30 on mkt buy AUD ORD 4,120 4,120 4,120 4,120 4,120 4,120 4,120 4,120 4,120 4,120 4,120 4,1		23-Jan-19	ves		2.59	on mkt buv	AUD	ORD	1.416	1.416
BlackRock Advisors (UK) Limited 23-Jan-19 no n/a collateral transfer AUD ORD 5,444,904 5,444,904 BlackRock Advisors (UK) Limited 24-Jan-19 yes 2.54 on mkt buy AUD ORD 6.762 6,762 BlackRock Investment Management (Australia) 24-Jan-19 yes 2.34 on mkt buy AUD ORD 154,191 154,191 BlackRock Investment Management (Australia) 25-Jan-19 yes 2.34 on mkt buy AUD ORD 41,905 41,905 BlackRock Investment Management (Australia) 25-Jan-19 yes 2.34 on mkt buy AUD ORD 41,905 41,905 BlackRock Advisors (UK) Limited 29-Jan-19 yes 2.30 on mkt buy AUD ORD 41,20 41,20 BlackRock Advisors (UK) Limited 29-Jan-19 yes 2.30 on mkt buy AUD ORD 41,20 41,20 BlackRock Kastistilional Trust Company, National Association association association association asso									,	177,346
BlackRock Advisors (Uk) Limited 24-Jan-19 yes 2.54 on mkt buy AUD ORD 6,762 6,772 BlackRock Institutional Trust Company, National 24-Jan-19 no n/a in specie AUD ORD 154,191 154,191 BlackRock Investment Management (Australia) 25-Jan-19 yes 2.34 on mkt buy AUD ORD 4,1905 4,1905 BlackRock Investment Management (Australia) 25-Jan-19 yes 2.30 on mkt buy AUD ORD 4,1905 41,905 BlackRock Advisors (UK) Limited 29-Jan-19 yes 2.30 on mkt buy AUD ORD 4,120 4,120 BlackRock Advisors (UK) Limited 29-Jan-19 yes 2.30 on mkt buy AUD ORD 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 269,640 260,640 260,640 269,640			,	n/a		collateral				5,444,904
BlackRock Fund Advisors 24-Jan.19 yes 2.54 on mk buy AUD ORD 154,191 154,191 154,191 BlackRock Institutional Trust Company, National 24-Jan.19 no n/a in specie AUD ORD 20,399 20,398 19,998 11,905 81,905 41,905 41,905 41,905 41,905 41,905 41,905 41,905 41,905 41,905 41,905 41,905 41,905 41,905 41,905 41,905 41,905 41,20 41,20 41,20 42,66,40 426,640 426,640 456,640 456,660 456,660 456,660 456,66	BlackRock Advisors (UK) Limited	24-Jan-19	ves		2.54		AUD	ORD	6,762	6,762
Association Association Limited 25-Jan-19 yes 2.34 on mkt buy AUD ORD 19,998 BlackRock Advisors (UK) Limited 25-Jan-19 yes 2.34 on mkt buy AUD ORD 41,905			,						,	154,191
BlackRock Investment Management (Australia) 25-Jan-19 yes 2.34 on mkt buy AUD ORD 19.998 19.998 Limited BlackRock Advisors (UK) Limited 25-Jan-19 yes 2.34 on mkt buy AUD ORD 41.905 41.905 41.905 BlackRock Advisors (UK) Limited 29-Jan-19 yes 2.30 on mkt buy AUD ORD 4.120 4.120 BlackRock Advisors (UK) Limited 29-Jan-19 yes 2.30 on mkt buy AUD ORD 4.120 4.120 BlackRock Institutional Trust Company, National 29-Jan-19 yes 2.30 on mkt buy AUD ORD 450 450 BlackRock Institutional Trust Company, National 29-Jan-19 no n/a collateral AUD ORD 5.811 5.811 Limited 11 11 on n/a collateral AUD ORD 45.660 45.660 BlackRock Fund Advisors 30-Jan-19 no n/a in specie AUD ORD 11.2		24-Jan-19	no	n/a		in specie	AUD	ORD	20,399	20,399
BlackRock Advisors (UK) Limited 25-Jan-19 yes 2.34 on mk buy AUD ORD 41.905 41.905 BlackRock Investment Management (Australia) 29-Jan-19 yes 2.30 on mk buy AUD ORD 53.328 53.328 BlackRock Advisors (UK) Limited 29-Jan-19 yes 2.30 on mk buy AUD ORD 4,120 4,120 BlackRock Advisors (UK) Limited 29-Jan-19 yes 2.30 on mkt buy AUD ORD 4,50 269,640 BlackRock Institutional Trust Company, National 29-Jan-19 no n/a collateral AUD ORD 331,739 331,739 BlackRock Asset Management, Inc. 29-Jan-19 no n/a collateral AUD ORD 5,811 5,811 BlackRock Kaset Management (UK) 29-Jan-19 no n/a in specie AUD ORD 45,660 45,660 BlackRock Fund Advisors 30-Jan-19 no n/a in specie AUD ORD 11,100 11,100	BlackRock Investment Management (Australia)	25-Jan-19	yes		2.34	on mkt buy	AUD	ORD	19,998	19,998
Limited Participant Paritipant Paritipant <th< td=""><td></td><td>25-Jan-19</td><td>yes</td><td></td><td>2.34</td><td>on mkt buy</td><td>AUD</td><td>ORD</td><td>41,905</td><td>41,905</td></th<>		25-Jan-19	yes		2.34	on mkt buy	AUD	ORD	41,905	41,905
BlackRock Advisors (UK) Limited 29-Jan-19 yes 2.30 on mkt buy AUD ORD 4,120	•	29-Jan-19	yes		2.30	on mkt buy	AUD	ORD	53,328	53,328
BlackRock Institutional Trust Company, National Association 29-Jan-19 yes 2.30 on mkt buy AUD ORD 269,640 269,640 Association 29-Jan-19 no n/a collateral transfer AUD ORD 450 450 BlackRock Capital Management, IUK) 29-Jan-19 no n/a collateral transfer AUD ORD 331,739 331,739 BlackRock Asset Management North Asia 29-Jan-19 no n/a collateral transfer AUD ORD 45.660 45.660 BlackRock Fund Advisors 30-Jan-19 no n/a in specie AUD ORD 16.330 16.330 BlackRock Fund Advisors 31-Jan-19 no n/a collateral transfer AUD ORD 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,120 1,100 1,100 1,100 1,100 1,100 1		29-Jan-19	yes		2.30	on mkt buy	AUD	ORD	4,120	4,120
BlackRock Capital Management, Inc.29-Jan-19non/acollateral transferAUDORD450450BlackRock Investment Management (UK)29-Jan-19non/acollateral transferAUDORD331,739331,739LimitedBlackRock Asset Management North Asia29-Jan-19non/acollateral transferAUDORD5,8115,811BlackRock Fund Advisors30-Jan-19non/ain specieAUDORD45,66045,660BlackRock Fund Advisors30-Jan-19non/ain specieAUDORD16,33016,330BlackRock Fund Advisors31-Jan-19non/acollateral transferAUDORD11,10011,100Limited011-Jan-19yes2.30on mkt buyAUDORD2,7622,762BlackRock Advisors (UK) Limited31-Jan-19yes2.26on mkt buyAUDORD1,1961,196BlackRock Advisors (UK) Limited31-Jan-19yes2.26 <tdon buy<="" mkt="" td="">AUDORD1,1961,196BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD45,66045,660BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD1,1961,196BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD2,8402,840BlackRock Fund Advisors31-Jan-19non/a<</tdon>	BlackRock Institutional Trust Company, National		<u> </u>					ORD		269,640
BlackRock Investment Management (UK)29-Jan-19non/acollateral transferAUDORD331,739331,739LimitedImited1transferAUDORD5,8115,811BlackRock Asset Management North Asia29-Jan-19non/acollateralAUDORD5,8115,811BlackRock Fund Advisors30-Jan-19non/ain specieAUDORD45,66045,660BlackRock Fund Advisors30-Jan-19non/ain specieAUDORD16,33016,330BlackRock Investment Management (UK)30-Jan-19non/acollateralAUDORD1,1201,120Limited11-Jan-19yes2.30on mkt buyAUDORD1,110011,10011,100BlackRock Advisors (UK) Limited31-Jan-19yes2.26on mkt buyAUDORD1,1961,196BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD1,1961,196BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD1,1961,196BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD1,1961,196BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD2,8402,840BlackRock Institutional Trust Company, National31-Jan-19non/ain specieAUDORD36,493<		29-Jan-19	no	n/a			AUD	ORD	450	450
BlackRock Asset Management North Asia29-Jan-19non/acollateral transferAUDORD5,8115,811Limited1specieAUDORD45,66045,660BlackRock Fund Advisors30-Jan-19non/ain specieAUDORD16,33016,330BlackRock Investment Management (UK)30-Jan-19non/acollateralAUDORD1,1201,120Limited11non/acollateralAUDORD11,10011,10011,100BlackRock Investment Management (UK)31-Jan-19yes2.30on mkt buyAUDORD2,7622,762BlackRock Advisors (UK) Limited31-Jan-19yes2.26on mkt buyAUDORD5,8495,849BlackRock Advisors (UK) Limited31-Jan-19yes2.26on mkt buyAUDORD1,1961,96BlackRock Fund Advisors31-Jan-19yes2.26on mkt buyAUDORD2,7622,762BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD2,8402,840BlackRock Institutional Trust Company, National31-Jan-19non/ain specieAUDORD43,17643,176Association31-Jan-19non/ain specieAUDORD39,64939,64939,649BlackRock Institutional Trust Company, National31-Jan-19non/ain specieAUDORD	• • • •	29-Jan-19	no	n/a		collateral	AUD	ORD	331,739	331,739
BlackRock Fund Advisors 30-Jan-19 no n/a in specie AUD ORD 45,660 45,660 45,660 45,660 45,660 45,660 45,660 45,660 45,660 45,660 45,660 45,660 45,660 45,660 45,660 16,330 <	BlackRock Asset Management North Asia	29-Jan-19	no	n/a		collateral	AUD	ORD	5,811	5,811
BlackRock Fund Advisors 30-Jan-19 no n/a in specie AUD ORD 16,330 16,330 16,330 BlackRock Investment Management (UK) 30-Jan-19 no n/a collateral AUD ORD 1,120 1,120 1,120 Limited audition a		20. Jan 10							45.000	45.000
BlackRock Investment Management (UK)30-Jan-19non/acollateral transferAUDORD1,1201,120Limited31-Jan-19yes2.30orn Mkt buyAUDORD11,10011,10011,100BlackRock Advisors (UK) Limited31-Jan-19yes2.26orn Mkt buyAUDORD5,8495,849BlackRock Advisors (UK) Limited31-Jan-19yes2.26orn Mkt buyAUDORD1,1961,196BlackRock Advisors (UK) Limited31-Jan-19yes2.26orn Mkt buyAUDORD1,1961,196BlackRock Advisors (UK) Limited31-Jan-19non/ain specieAUDORD45,66045,660BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD2,8402,840BlackRock Institutional Trust Company, National31-Jan-19non/ain specieAUDORD43,17643,176Association31-Jan-19non/ain specieAUDORD39,64939,649BlackRock Institutional Trust Company, National31-Jan-19non/ain specieAUDORD39,649BlackRock Fund Advisors01-Feb-19yes2.27on mkt buyAUDORD35,17735,177BlackRock Fund Advisors01-Feb-19yes2.24on mkt buyAUDORD35,17735,177BlackRock Investment Management (UK)01-Feb-19yes2.24on						•				
Limited transfer BlackRock Fund Advisors 31-Jan-19 yes 2.30 on mkt buy AUD ORD 11,100 11,100 BlackRock Advisors (UK) Limited 31-Jan-19 yes 2.26 on mkt buy AUD ORD 2,762 2,762 BlackRock Advisors (UK) Limited 31-Jan-19 yes 2.26 on mkt buy AUD ORD 5,849 5,849 BlackRock Advisors (UK) Limited 31-Jan-19 yes 2.26 on mkt buy AUD ORD 1,196 1,196 BlackRock Advisors (UK) Limited 31-Jan-19 no n/a in specie AUD ORD 2,840 2,840 BlackRock Institutional Trust Company, National 31-Jan-19 no n/a in specie AUD ORD 54,930 54,930 Association Station										
BlackRock Advisors (UK) Limited 31-Jan-19 yes 2.26 on mkt buy AUD ORD 2.762 2.762 BlackRock Advisors (UK) Limited 31-Jan-19 yes 2.26 on mkt buy AUD ORD 5,849	Limited			Π/α		transfer				
BlackRock Advisors (UK) Limited31-Jan-19yes2.26on mkt buyAUDORD5,8495,849BlackRock Advisors (UK) Limited31-Jan-19yes2.26on mkt buyAUDORD1,1961,196BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD45,66045,66045,660BlackRock Fund Advisors31-Jan-19non/ain specieAUDORD2,8402,8402,840BlackRock Institutional Trust Company, National31-Jan-19non/ain specieAUDORD54,93054,930AssociationBlackRock Institutional Trust Company, National31-Jan-19non/ain specieAUDORD43,17643,176AssociationBlackRock Fund Advisors01-Feb-19yes2.27on mkt buyAUDORD39,64939,649BlackRock Fund Advisors01-Feb-19yes2.24on mkt buyAUDORD35,17735,177BlackRock Investment Management (UK)01-Feb-19yes2.24on mkt buyAUDORD72,00272,002Limited11non/acollateralAUDORD337,997337,997337,997BlackRock Advisors (UK) Limited01-Feb-19yes2.21on mkt buyAUDORD1,8521,852BlackRock Advisors (UK) Limited04-Feb-19yes2.21on mkt buyAUDORD1,8521,852 <td></td>										
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BlackRock Fund Advisors01-Feb-19yes2.24on mkt buyAUDORD35,17735,177BlackRock Institutional Trust Company, National01-Feb-19yes2.24on mkt buyAUDORD17,57317,573Association01-Feb-19yes2.24on mkt buyAUDORD72,00272,002BlackRock Investment Management (UK)01-Feb-19yes2.24on mkt buyAUDORD72,00272,002Limited01-Feb-19non/acollateral transferAUDORD337,997337,997BlackRock Advisors (UK) Limited04-Feb-19yes2.21on mkt buyAUDORD1,8521,852		01-Eab 10	Voc		2 27	on mit hun			20.640	20 640
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BlackRock Advisors (UK) Limited01-Feb-19non/acollateral transferAUDORD337,997337,997BlackRock Advisors (UK) Limited04-Feb-19yes2.21on mkt buyAUDORD1,8521,852	BlackRock Investment Management (UK)	01-Feb-19	yes		2.24	on mkt buy	AUD	ORD	72,002	72,002
BlackRock Advisors (UK) Limited 04-Feb-19 yes 2.21 on mkt buy AUD ORD 1,852 1,852		01-Feb-19	no	n/a			AUD	ORD	337,997	337,997
	BlackRock Advisors (UK) Limited	04-Feb-19	Ves		2.21		AUD	ORD	1.852	1.852
										2,392

	Date of Acquisition /	Trane		Consi	deration		Class and	d number of	Person's
Holder of Relevant Interest	on a prescribed fin		Ca	sh	Non-cash	CCY		es affected	votes affected
BlackRock Advisors (UK) Limited	05-Feb-19	no	n/a		collateral transfer	AUD	ORD	305,336	305,336
BlackRock Investment Management (Australia) Limited	06-Feb-19	/es		2.41	on mkt buy	AUD	ORD	1,226	1,226
BlackRock Fund Advisors		no	n/a		in specie	AUD	ORD	25,970	25,970
BlackRock Fund Advisors		no	n/a		in specie	AUD	ORD	77,910	77,910
BlackRock Fund Advisors		no	n/a		in specie	AUD	ORD	51,940	51,940
BlackRock Investment Management (UK) Limited		no	n/a	0.47	collateral transfer	AUD	ORD	4	4
BlackRock Investment Management (Australia) Limited		yes		2.47	on mkt buy	AUD	ORD	1,226	1,226
BlackRock Advisors (UK) Limited	· · · · · · · · · · · · · · · · · ·	/es		2.47	on mkt buy	AUD	ORD ORD	1,107	1,107
BlackRock Fund Advisors BlackRock Japan Co., Ltd.		no no	n/a n/a		in specie collateral	AUD AUD	ORD	77,910	77,910 8
BlackRock Financial Management, Inc.		no	n/a		transfer	AUD	ORD	4	4
BlackRock Investment Management, LLC		no	n/a		transfer	AUD	ORD	37	37
BlackRock Investment Management (UK)		no	n/a		transfer	AUD	ORD	45,376	45,376
Limited		-			transfer		ORD		
BlackRock Asset Management North Asia Limited		no	n/a		collateral transfer	AUD		2	
BlackRock Japan Co., Ltd.		yes		2.44	on mkt buy	AUD	ORD	79,484	79,484
BlackRock Investment Management (UK) Limited		/es		2.44	on mkt buy	AUD	ORD	8,964	8,964
BlackRock Investment Management (UK) Limited		/es		2.42	on mkt buy	AUD	ORD	152,065	152,065
BlackRock Advisors (UK) Limited		yes		2.42	on mkt buy	AUD	ORD	113,565	113,565
BlackRock Institutional Trust Company, National Association		/es		2.42	on mkt buy	AUD	ORD	58,570	58,570
BlackRock Advisors (UK) Limited	11-Feb-19	no	n/a		collateral transfer	AUD	ORD	179,000	179,000
BlackRock Fund Advisors		no	n/a		in specie	AUD	ORD	22,488	22,488
BlackRock Advisors (UK) Limited		yes		2.44	on mkt buy	AUD	ORD	40,968	40,968
BlackRock Advisors (UK) Limited		/es		2.44	on mkt buy	AUD	ORD	29,269	29,269
BlackRock Fund Advisors		no	n/a n/a		in specie collateral	AUD AUD	ORD ORD	13,508	13,508 2,788
BlackRock Japan Co., Ltd. BlackRock Advisors (UK) Limited		no	n/a		transfer collateral	AUD	ORD	2,788	2,700
					transfer				
BlackRock Financial Management, Inc.		no	n/a		collateral transfer	AUD	ORD	1,198	1,198
BlackRock Investment Management (UK) Limited		no	n/a		collateral transfer	AUD	ORD	48,076	48,076
BlackRock Advisors (UK) Limited	-	yes	- 1-	2.25	on mkt buy	AUD	ORD	1,280	1,280
BlackRock Advisors (UK) Limited		no	n/a		collateral transfer	AUD	ORD	49,262	49,262
BlackRock Investment Management (UK) Limited	-	/es		2.21	on mkt buy	AUD	ORD	146,757	146,757
BlackRock Advisors (UK) Limited		yes		2.18	on mkt buy	AUD	ORD	4,837	4,837
BlackRock Advisors (UK) Limited		no	n/a		collateral transfer	AUD	ORD	4,534,400	4,534,400
BlackRock Advisors (UK) Limited		yes		2.22	on mkt buy	AUD	ORD	13,750	13,750
BlackRock Advisors (UK) Limited		/es		2.22	on mkt buy	AUD	ORD	4,170	4,170
BlackRock Fund Advisors BlackRock Japan Co., Ltd.		no no	n/a n/a		in specie collateral	AUD AUD	ORD ORD	985 2,418,966	985 2,418,966
BlackRock Investment Management (UK) Limited	20-Feb-19	yes		2.21	transfer on mkt buy	AUD	ORD	26,994	26,994
BlackRock Fund Advisors	20-Feb-19	/es		2.27	on mkt buy	AUD	ORD	65,183	65,183
BlackRock Advisors (UK) Limited		yes		2.32	on mkt buy	AUD	ORD	13,756	13,756
BlackRock Advisors (UK) Limited		yes		2.36	on mkt buy	AUD	ORD	1,286	1,286
BlackRock Financial Management, Inc.	21-Feb-19	no	n/a		collateral transfer	AUD	ORD	1,264,970	1,264,970
BlackRock Investment Management, LLC	21-Feb-19	no	n/a		collateral transfer	AUD	ORD	84,089	84,089
BlackRock Investment Management (UK) Limited	21-Feb-19	no	n/a		collateral transfer	AUD	ORD	149,585	149,585
BlackRock Advisors (UK) Limited	22-Feb-19	yes		2.35	on mkt buy	AUD	ORD	5,875	5,875
BlackRock Advisors (UK) Limited		, yes		2.35	on mkt buy	AUD	ORD	6,881	6,881
BlackRock Fund Advisors	22-Feb-19	no	n/a		in specie	AUD	ORD	985	985
BlackRock Fund Advisors		no	n/a		in specie	AUD	ORD	47,019	47,019
BlackRock Advisors (UK) Limited	· · · · · · · ·	yes		2.38	on mkt buy	AUD	ORD	61,938	61,938
BlackRock Investment Management (UK)	25-Feb-19	<i>y</i> es		2.38	on mkt buy	AUD	ORD	179,436	179,436

Holder of Relevant Interest	Date of Acquisition / T on a prescribed fin'l r	ans ———	nsideration Non-cash	ССҮ		d number of es affected	Person's votes affected
BlackRock Fund Advisors	25-Feb-19 nc	n/a	in angolo	AUD	ORD	53,736	53,736
BlackRock Investment Management (UK)	25-Feb-19 nc 26-Feb-19 nc	n/a	in specie in specie	AUD	ORD	304,900	304,900
Limited	2010010 110	n/a		100	OND	001,000	001,000
BlackRock Investment Management (Australia) Limited	27-Feb-19 yes	2.3	7 on mkt buy	AUD	ORD	14,712	14,712
BlackRock Advisors (UK) Limited	27-Feb-19 yes	2.3	7 on mkt buy	AUD	ORD	5,855	5,855
BlackRock Investment Management (Australia)	27-Feb-19 yes			AUD	ORD	4,904	4,904
Limited							
BlackRock Institutional Trust Company, National Association	27-Feb-19 yes	2.3	7 on mkt buy	AUD	ORD	16,959	16,959
BlackRock Fund Advisors	27-Feb-19 nc	n/a	in specie	AUD	ORD	985	985
BlackRock Investment Management (UK) Limited	28-Feb-19 yes	2.3	6 on mkt buy	AUD	ORD	15,435	15,435
BlackRock Institutional Trust Company, National Association	28-Feb-19 yes	2.3	6 on mkt buy	AUD	ORD	25,555	25,555
BlackRock Advisors (UK) Limited	28-Feb-19 yes	2.3	6 on mkt buy	AUD	ORD	23,033	23,033
BlackRock Institutional Trust Company, National	28-Feb-19 yes			AUD	ORD	148,510	148,510
Association			, ,				
BlackRock Investment Management, LLC	28-Feb-19 yes	2.3		AUD	ORD	28,329	28,329
BlackRock Fund Advisors	28-Feb-19 yes			AUD	ORD	66,103	66,103
BlackRock Advisors (UK) Limited	28-Feb-19 yes			AUD	ORD	18,084	18,084
BlackRock Advisors (UK) Limited	28-Feb-19 yes			AUD	ORD	13,143	13,143
BlackRock Fund Advisors	28-Feb-19 yes			AUD	ORD	49,061	49,061
BlackRock Institutional Trust Company, National Association	28-Feb-19 yes	2.3	6 on mkt buy	AUD	ORD	16,811	16,811
BlackRock Investment Management (UK) Limited	28-Feb-19 yes	2.3	6 on mkt buy	AUD	ORD	5,143	5,143
BlackRock Institutional Trust Company, National Association	28-Feb-19 yes	2.3	6 on mkt buy	AUD	ORD	8,520	8,520
BlackRock Advisors (UK) Limited	28-Feb-19 yes	2.3	6 on mkt buy	AUD	ORD	7,675	7,675
BlackRock Institutional Trust Company, National				AUD	ORD	49,508	49,508
Association			-				
BlackRock Investment Management, LLC BlackRock Fund Advisors	28-Feb-19 yes				ORD ORD	9,445	9,445 22,036
	28-Feb-19 yes		· · · ,	AUD	ORD	22,036	,
BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited	28-Feb-19 yes 28-Feb-19 yes			AUD AUD	ORD	<u>6,027</u> 4,380	6,027 4,380
BlackRock Fund Advisors	28-Feb-19 yes			AUD	ORD	16,355	16,355
BlackRock Institutional Trust Company, National			,	AUD	ORD	5,602	5,602
Association	, , , , , , , , , , , , , , , , , , ,	-		_		-,	- ,
BlackRock Advisors (UK) Limited	01-Mar-19 yes		,	AUD	ORD	8,641	8,641
BlackRock Advisors (UK) Limited	04-Mar-19 ye		,	AUD	ORD	6,790	6,790
BlackRock Advisors (UK) Limited	04-Mar-19 yes			AUD	ORD	2,090	2,090
BlackRock Advisors (UK) Limited	05-Mar-19 yes		,	AUD	ORD	67,920	67,920
BlackRock Advisors (UK) Limited BlackRock Investment Management (Australia)	05-Mar-19 yes 05-Mar-19 yes			AUD AUD	ORD ORD	2,562 37,480	2,562
Limited	•		-				37,480
BlackRock Fund Advisors	05-Mar-19 nc	n/a	in specie	AUD	ORD	23,067	23,067
BlackRock Investment Management (UK) Limited	06-Mar-19 yes	2.3	7 on mkt buy	AUD	ORD	83,804	83,804
BlackRock Advisors (UK) Limited	06-Mar-19 yes			AUD	ORD	34,080	34,080
BlackRock Investment Management (Australia) Limited	06-Mar-19 yes	2.3	7 on mkt buy	AUD	ORD	38,158	38,158
BlackRock Fund Advisors	06-Mar-19 nc	n/a	in specie	AUD	ORD	64,931	64,931
BlackRock Investment Management (UK) Limited	07-Mar-19 ye	2.3	8 on mkt buy	AUD	ORD	25,126	25,126
BlackRock Advisors (UK) Limited	07-Mar-19 yes	2.3	7 on mkt buy	AUD	ORD	6,840	6,840
BlackRock Investment Management, LLC	07-Mar-19 yes			AUD	ORD	8,250	8,250
BlackRock Fund Advisors	07-Mar-19 nc	n/a	in specie	AUD	ORD	46,134	46,134
BlackRock Advisors (UK) Limited	08-Mar-19 ye:	2.3	1 on mkt buy	AUD	ORD	1,026	1,026
BlackRock Advisors (UK) Limited	08-Mar-19 yes			AUD	ORD	6,408	6,408
BlackRock Advisors (UK) Limited	08-Mar-19 yes		,	AUD	ORD	9,256	9,256
BlackRock Advisors (UK) Limited	08-Mar-19 yes		,	AUD	ORD	2,619	2,619
BlackRock Advisors (UK) Limited	08-Mar-19 yes		,	AUD	ORD ORD	1,696	1,696
BlackRock Fund Advisors BlackRock Fund Advisors	08-Mar-19 nc 08-Mar-19 nc	n/a n/a	in specie in specie	AUD AUD	ORD	42,541 23,067	42,541 23,067
BlackRock Advisors (UK) Limited	11-Mar-19 yes			AUD	ORD	5,835	5,835
BlackRock Investment Management (Australia)	11-Mar-19 yes			AUD	ORD	88,600	88,600
Limited BlackRock Fund Advisors	11 Mar 10	n/2	in onacia			16 404	AC 404
BlackRock Fund Advisors BlackRock Advisors (UK) Limited	<u>11-Mar-19</u> nc 12-Mar-19 yes	n/a 2.3	in specie 0 on mkt buy	AUD AUD	ORD ORD	46,134 9,898	46,134 9,898
BlackRock Advisors (UK) Limited	12-Mar-19 yes 12-Mar-19 yes		,	AUD	ORD	9,898	9,898
BlackRock Fund Advisors	12-Mar-19 yes		0 on mkt buy	AUD	ORD	53,976	53,976
BlackRock Fund Advisors	12-Mar-19 nc		in specie	AUD	ORD	55,975	55,975
BlackRock Investment Management, LLC	13-Mar-19 yes		· · · · ·	AUD	ORD	6,746	6,746
BlackRock Advisors (UK) Limited	13-Mar-19 yes			AUD	ORD	6,990	6,990
/					ORD		

Holder of Relevant Interest Part of approximation Cash Non-cash CCV Concrition effortion BlackRock Anivesors (UK) Limited 13-Mar19 no nis nisgoeie AUD ORD 5.837 BlackRock Anivesors (UK) Limited 13-Mar19 no nisgoeie AUD ORD 5.837 BlackRock Anivesor (UK) Limited 14-Mar19 res 2.270 omkt buy AUD ORD 3.562 BlackRock Anivesor (UK) Limited 15-Mar19 yes 2.280 omkt buy AUD ORD 5.253 BlackRock Anivesor (UK) Limited 15-Mar19 yes 2.280 omkt buy AUD ORD 5.837 BlackRock Anivesor (UK) Limited 15-Mar19 yes 2.280 omkt buy AUD ORD 6.83119 BlackRock Anivesor (UK) Limited 15-Mar19 yes 2.280 omkt buy AUD ORD 6.83119 BlackRock Anivesor (UK) Limited 15-Mar19 yes 2.280 omkt buy AUD ORD 6.33119	Person's	number of	Class and		deration	Consi	rans -	Date of Acquisition / Trans	
BlackRevk Fund Advisors 13-Man - 19 no n/a in specie AUD ORD 6.248 BlackRok Advisors (UK) Limited 14-Man - 19 yes 2.27 n mk by AUD ORD 12.018 BlackRok Advisors (UK) Limited 14-Man - 19 yes 2.27 n mk by AUD ORD 11.676 BlackRok Advisors (UK) Limited 15-Man - 19 yes 2.28 n mk by AUD ORD 11.686 BlackRok Advisors (UK) Limited 15-Man - 19 yes 2.28 n mk by AUD ORD 21.866 BlackRok Advisors (UK) Limited 15-Man - 19 yes 2.29 n mk by AUD ORD 6.670 BlackRok Advisors (UK) Limited 15-Man - 19 yes 2.29 n mk by AUD ORD 6.670 BlackRok Advisors (UK) Limited 15-Man - 19 yes 2.29 n mk by AUD ORD 2.348 Limited 15-Man - 19 yes 2.29 n mk by AUD ORD 2.425	votes affected			CCY	Non-cash	Cash		•	Holder of Relevant Interest
BiackRock Advisors (UK) Limited 13-Mar-19 yes 2.27 on makiby AUD ORD 3,585 BiackRock Advisors (UK) Limited 14-Mar-19 yes 2.28 on makiby AUD ORD 5,585 BiackRock Advisors (UK) Limited 15-Mar-19 yes 2.28 on makiby AUD ORD 5,285 BiackRock Advisors (UK) Limited 15-Mar-19 yes 2.28 on makiby AUD ORD 2,585 BiackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on makiby AUD ORD 2,582 BiackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on makiby AUD ORD 464:14 BiackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on makiby AUD ORD 2,348 Limited BiackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on makiby AUD ORD 2,342 BiackRock Institutional Trust Company, National 15-Mar-19 yes 2.28 on makiby	5,837	5,837	ORD	AUD	on mkt buy	2.24	3	13-Mar-19 yes	BlackRock Advisors (UK) Limited
BlackRock Advisors (UK) Limited 14.Mar.19 yes 2.27 on mix buy AUD ORD 3.665 BlackRock Advisors (UK) Limited 15.Mar.19 yes 2.27 on mix buy AUD ORD 50.753 BlackRock Advisors (UK) Limited 15.Mar.19 yes 2.29 on mix buy AUD ORD 2.756 BlackRock Advisors (UK) Limited 15.Mar.19 yes 2.29 on mix buy AUD ORD 2.858 BlackRock Advisors (UK) Limited 15.Mar.19 yes 2.29 on mix buy AUD ORD 2.858 BlackRock Advisors (UK) Limited 15.Mar.19 yes 2.29 on mix buy AUD ORD 2.848 BlackRock Advisors (UK) Limited 15.Mar.19 yes 2.29 on mix buy AUD ORD 2.348 BlackRock Advisors (UK) Limited 15.Mar.19 yes 2.29 on mix buy AUD ORD 2.425 BlackRock Advisors (UK) Limited 15.Mar.19 yes 2.29 on mix buy AUD ORD <td></td> <td></td> <td>ORD</td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td></td>			ORD					,	
BlackRok Advisors (UK) Limited 14.4Mar-19 yes 2.27 on mkt buy AUD ORD 16.783 BlackRok Advisors (UK) Limited 15-Mar-19 yes 2.28 on mkt buy AUD ORD 56.783 BlackRok Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 2.786 BlackRok Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 25.852 Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 6.670 BlackRok Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 6.371 BlackRok Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 23.372 BlackRok Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 2.372 BlackRok Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 2.3145	8 12,018	12,018	ORD	AUD		/a)	13-Mar-19 no	BlackRock Fund Advisors
BlackRock Nursesment Management (UK) 15-Mar-19 yes 2.28 on mit buy AUD ORD 50.753 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mit buy AUD ORD 11.866 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mit buy AUD ORD 15.862 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mit buy AUD ORD 6.870 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mit buy AUD ORD 23.418 Limited 15-Mar-19 yes 2.29 on mit buy AUD ORD 23.418 Limited 15-Mar-19 yes 2.29 on mit buy AUD ORD 23.372 BlackRock Advisors (UC) Limited 15-Mar-19 yes 2.29 on mit buy AUD ORD 74.012 Association Towal Company, National 15-Mar-19 yes 2.29 on mit buy AUD ORD 1	5 3,565	3,565	ORD	AUD	on mkt buy	2.27	5	14-Mar-19 yes	BlackRock Advisors (UK) Limited
Limited Junited 15-Mar-19 yes 2.29 on mk tuy AUD ORD 1.7.86 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mk tuy AUD ORD 1.7.86 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mk tuy AUD ORD 1.5.82 Linited 15-Mar-19 yes 2.29 on mk tuy AUD ORD 4.6.70 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mk tuy AUD ORD 4.3.11 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mk tuy AUD ORD 4.2.37 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mk tuy AUD ORD 4.2.37 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mk tuy AUD ORD 4.2.37 BlackRock Institutional Trust Company, National 15-Mar-19 yes 2.29 on mk tuy AUD ORD	78 11,678	11,678	ORD	AUD	on mkt buy	2.27	5	14-Mar-19 yes	BlackRock Advisors (UK) Limited
BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 orn mt buy AUD ORD 11.686 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 orn mt buy AUD ORD 93.819 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 orn mt buy AUD ORD 145.114 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 orn mt buy AUD ORD 6.570 BlackRock Investment Management (Australia) 15-Mar-19 yes 2.29 orn mt buy AUD ORD 33.119 BlackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 orn mt buy AUD ORD 23.374 Association 15-Mar-19 yes 2.29 orn mt buy AUD ORD 15.1.651 Association 15-Mar-19 yes 2.29 orn mt buy AUD ORD 12.546 DackRock Fund Advisors 15-Mar-19 yes 2.29 orn mt buy AUD ORD 12.546	50,753	50,753	ORD	AUD	on mkt buy	2.28	8	15-Mar-19 yes	•
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Limited BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 146.114 BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 3.3.119 BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 3.3.119 BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 3.3.119 BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 3.3.119 BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 4.235 Association BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 4.235 Association BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 74.012 Association BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 74.012 Association BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 74.012 Association BickRock Advisors 15-Mar-19 yes 2.29 on mkt buy AUD ORD 74.012 Association BickRock Advisors 15-Mar-19 yes 2.29 on mkt buy AUD ORD 123.145 BickRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mkt buy AUD ORD 74.012 Association BickRock Advisors 15-Mar-19 no n/a in specie AUD ORD 123.145 BickRock Advisors (UK) Limited 19-Mar-19 yes 2.28 on mkt buy AUD ORD 2.527 BickRock Advisors (UK) Limited 19-Mar-19 yes 2.28 on mkt buy AUD ORD 33.730 Limited 900 000 000 000 000 000 000 000 000 00	6 11,686	11,686	ORD	AUD	on mkt buy	2.29	5	15-Mar-19 yes	BlackRock Advisors (UK) Limited
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Linited 15-Mar-19 yes 2.29 on mit buy AUD ORD 33,119 BlackRock Asset Management Canada Limited 15-Mar-19 yes 2.29 on mit buy AUD ORD 23,319 BlackRock Avisions (UK) Limited 15-Mar-19 yes 2.29 on mit buy AUD ORD 4,235 Association BlackRock Avisions (UK) Limited 15-Mar-19 yes 2.29 on mit buy AUD ORD 15-Mar-19 BlackRock Institutional Trust Company, National 15-Mar-19 yes 2.29 on mit buy AUD ORD 74,012 Association 15-Mar-19 yes 2.28 on mit buy AUD ORD 18,591 Imited 16-Mar-19 yes 2.28 on mit buy AUD ORD 23,227 BlackRock Asset Management Canada Limited 19-Mar-19 yes 2.28 on mit buy AUD ORD 23,274 BlackRock Advisors (UK) Limited 19-Mar-19 yes 2.28 on mit buy AUD O	0 6,670	6,670		AUD	on mkt buy	2.29	S	15-Mar-19 yes	
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BiackRock Advisors (UK) Limited 15-Mar-19 yes 2.29 on mk buy AUD ORD 23.372 BiackRock Institutional Trust Company, National Association 15-Mar-19 yes 2.29 on mk buy AUD ORD 4.235 BiackRock Institutional Trust Company, National Association 15-Mar-19 yes 2.29 on mk buy AUD ORD 151.051 Association BiackRock Institutional Trust Company, National BiackRock Investment Management (Australia) 15-Mar-19 yes 2.29 on mk buy AUD ORD 18.591 Limited BiackRock Investment Management Canada Limited 15-Mar-19 no n/a in specie AUD ORD 18.591 Limited BiackRock Aisors (UK) Limited 19-Mar-19 yes 2.28 on mk buy AUD ORD 33.730 BiackRock Aisors (UK) Limited 19-Mar-19 yes 2.28 on mk buy AUD ORD 13.744 BiackRock Aisors (UK) Limited 19-Mar-19 yes 2.24 on mk buy AUD ORD 10.200	0 00 440					0.00		45 Mar 40	
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BlackRock Fund Advisors15-Mar-19non/ain specieAUDORD123,145BlackRock Japan Co., Ltd.15-Mar-19non/acollateralAUDORD81,750BlackRock Asset Management Canada Limited18-Mar-19yes2.28on mkt buyAUDORD2,527BlackRock Advisors (UK) Limited19-Mar-19yes2.28on mkt buyAUDORD33,730BlackRock Advisors (UK) Limited19-Mar-19yes2.28on mkt buyAUDORD13,784BlackRock Advisors (UK) Limited19-Mar-19yes2.28on mkt buyAUDORD11,666BlackRock Advisors (UK) Limited19-Mar-19yes2.24on mkt buyAUDORD11,666BlackRock Advisors (UK) Limited20-Mar-19yes2.24on mkt buyAUDORD126,639Limited20-Mar-19yes2.22on mkt buyAUDORD4,623BlackRock Advisors (UK) Limited20-Mar-19yes2.22on mkt buyAUDORD4,623BlackRock Advisors (UK) Limited20-Mar-19yes2.20on mkt buyAUDORD4,623BlackRock Advisors (UK) Limited21-Mar-19yes2.20on mkt buyAUDORD4,623BlackRock Advisors (UK) Limited21-Mar-19yes2.21on mkt buyAUDORD2,388BlackRock Advisors (UK) Limited21-Mar-19yes2.21on mkt buyAUDORD	18,591	18,591	ORD	AUD	on mkt buy	2.29	5	15-Mar-19 yes	e . ,
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ElackRock Advisors (UK) Limited 19-Mar-19 yes 2.28 on mkt buy AUD ORD 2,061 BlackRock Advisors (UK) Limited 19-Mar-19 yes 2.28 on mkt buy AUD ORD 11,666 BlackRock Investment Management (Australia) 20-Mar-19 yes 2.24 on mkt buy AUD ORD 126,639 Limited 20-Mar-19 yes 2.25 on mkt buy AUD ORD 6,895 BlackRock Advisors (UK) Limited 20-Mar-19 yes 2.220 on mkt buy AUD ORD 4,823 BlackRock Advisors (UK) Limited 21-Mar-19 yes 2.19 on mkt buy AUD ORD 6,201 BlackRock Advisors (UK) Limited 21-Mar-19 yes 2.19 on mkt buy AUD ORD 6,201 BlackRock Advisors (UK) Limited 21-Mar-19 yes 2.19 on mkt buy AUD ORD 2,388 BlackRock Advisors (UK) Limited 21-Mar-19 yes 2.21 on mkt buy AUD ORD	13,784	13 784	ORD		on mkt buv	2 28	\$	19-Mar-19 ves	
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BlackRock Fund Advisors29-Mar-19non/ain specieAUDORD13,600	13,600	13,600	ORD	AUD	in specie	/a)	29-Mar-19 no	BlackRock Fund Advisors

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

	02-Apr-19
Maria Tricarico,	Date
Authorised Signatory	

7. Addresses

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

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

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

	02-April-19
Maria Tricarico, 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, o 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?	Yes, at notice.
If yes, detail	
Will the securities be returned on settlement?	Yes.

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