

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**To Company Name/Scheme AMP LIMITEDACN/ARSN 079 354 519**1. Details of substantial holder (1)**Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures
ACN/ARSN (if applicable) to this form)The holder became a substantial holder on 21 / 02 / 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	147,658,966	147,658,966	5.02
ADR 4:1	151	604	0.00

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 (9)		Class and number of securities
		Cash	Non-cash	
see Annexure B				

6. Associates

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

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

7. Addresses

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

Name	Address
see Annexure C	

Signature

print name Bradley Taylor

capacity Authorised Signatory*

sign here

date 25 / 02 / 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.

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 7 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an associate has a relevant interest in.
- (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (7) Include details of:
 - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

25-Feb-19

Bradley Taylor,
Authorised Signatory

Date

3. Details of Relevant Interests
4. Details of present registered holders
6. Associates

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	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 4,545,849	4,545,849	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 2,355,966	2,355,966	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.
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 6,720,828	6,720,828	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 1,550,437	1,550,437	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-BONY LUXEMBOURG		ORD 1,264,970	1,264,970	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 376,072	376,072	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.
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-SSB NEW YORK INSTITUTIONAL		ORD 14,211	14,211	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 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.	STATE STREET BANK		ORD 91,790	91,790	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 38,842,520	38,842,520	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 2,399,750	2,399,750	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 37,751,964	37,751,964	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.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE 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 75,109	75,109	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD 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 2,772,508	2,772,508	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - SYDNEY		ORD 32,958	32,958	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 5,050,986	5,050,986	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 2,298,422	2,298,422	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	AP7		ORD 1,023,812	1,023,812	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 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 1,375,720	1,375,720	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 1,206,311	1,206,311	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY LUXEMBOURG		ORD 149,585	149,585	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.
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 2,134,584	2,134,584	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.	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 2,667,654	2,667,654	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 712,504	712,504	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-BONY LUXEMBOURG		ORD 84,089	84,089	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 1,841,095	1,841,095	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.	BOA-MERRILL LYNCH SMA		ADR 4:1 151	604	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 1,874,343	1,874,343	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	USB-US BANK		ORD 94,205	94,205	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.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD 1,496,534	1,496,534	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.	SSB-STATE STREET AUSTRALIA		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.	JPM-JPM CHASE - SYDNEY		ORD 5,926,845	5,926,845	subsidiary of BlackRock Inc.

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

25-Feb-19

Bradley Taylor,
Authorised Signatory

Date

5. Consideration

AMP LIMITED (AMP)								
Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	22-Oct-18	yes	3.20	on mkt buy	AUD	ORD	6,421	6,421
BlackRock Advisors (UK) Limited	22-Oct-18	yes	3.20	on mkt buy	AUD	ORD	6,503	6,503
BlackRock Institutional Trust Company, National Association	22-Oct-18	yes	3.20	on mkt buy	AUD	ORD	40,061	40,061
BlackRock Fund Advisors	22-Oct-18	no	n/a	in specie	AUD	ORD	25,521	25,521
BlackRock Advisors (UK) Limited	22-Oct-18	no	n/a	collateral transfer	AUD	ORD	1,329,872	1,329,872
BlackRock Fund Advisors	23-Oct-18	yes	3.28	on mkt buy	AUD	ORD	131,978	131,978
BlackRock Advisors (UK) Limited	23-Oct-18	yes	3.28	on mkt buy	AUD	ORD	12,786	12,786
BlackRock Investment Management (Australia) Limited	23-Oct-18	yes	3.28	on mkt buy	AUD	ORD	15,105	15,105
BlackRock Investment Management (UK) Limited	24-Oct-18	yes	3.29	on mkt buy	AUD	ORD	17,846	17,846
BlackRock Investment Management (Australia) Limited	24-Oct-18	yes	3.31	on mkt buy	AUD	ORD	119,616	119,616
BlackRock Advisors (UK) Limited	24-Oct-18	yes	3.31	on mkt buy	AUD	ORD	5,610	5,610
BlackRock Institutional Trust Company, National Association	24-Oct-18	yes	3.31	on mkt buy	AUD	ORD	12,492	12,492
BlackRock Advisors (UK) Limited	25-Oct-18	yes	2.50	on mkt buy	AUD	ORD	1,972	1,972
BlackRock Institutional Trust Company, National Association	25-Oct-18	yes	2.50	on mkt buy	AUD	ORD	220,062	220,062
BlackRock Advisors (UK) Limited	25-Oct-18	yes	2.50	on mkt buy	AUD	ORD	12,788	12,788
BlackRock Advisors (UK) Limited	25-Oct-18	yes	2.50	on mkt buy	AUD	ORD	12,814	12,814
BlackRock Fund Advisors	25-Oct-18	no	n/a	in specie	AUD	ORD	14,780	14,780
BlackRock Fund Advisors	25-Oct-18	no	n/a	in specie	AUD	ORD	7,390	7,390
BlackRock Institutional Trust Company, National Association	25-Oct-18	no	n/a	in specie	AUD	ORD	132,422	132,422
BlackRock Fund Advisors	26-Oct-18	yes	2.62	on mkt buy	AUD	ORD	6,417	6,417
BlackRock Advisors, LLC	26-Oct-18	no	n/a	in specie	AUD	ORD	38,804	38,804
BlackRock Investment Management (Australia) Limited	26-Oct-18	yes	2.38	on mkt buy	AUD	ORD	134,053	134,053
BlackRock Fund Advisors	26-Oct-18	yes	2.38	on mkt buy	AUD	ORD	44,563	44,563
BlackRock Financial Management, Inc.	26-Oct-18	yes	2.38	on mkt buy	AUD	ORD	36,617	36,617
BlackRock Fund Advisors	26-Oct-18	yes	2.38	on mkt buy	AUD	ORD	525	525
BlackRock Advisors (UK) Limited	29-Oct-18	yes	2.36	on mkt buy	AUD	ORD	10,285	10,285
BlackRock Advisors (UK) Limited	29-Oct-18	yes	2.36	on mkt buy	AUD	ORD	3,312	3,312
BlackRock Institutional Trust Company, National Association	29-Oct-18	yes	2.36	on mkt buy	AUD	ORD	17,483	17,483
BlackRock Fund Advisors	29-Oct-18	no	n/a	in specie	AUD	ORD	14,960	14,960
BlackRock Investment Management (Australia) Limited	30-Oct-18	yes	2.31	on mkt buy	AUD	ORD	51,978	51,978
BlackRock Advisors (UK) Limited	31-Oct-18	yes	2.47	on mkt buy	AUD	ORD	2,805	2,805
BlackRock Fund Advisors	31-Oct-18	yes	2.47	on mkt buy	AUD	ORD	15,793	15,793
BlackRock Fund Advisors	31-Oct-18	no	n/a	in specie	AUD	ORD	19,040	19,040
BlackRock Fund Advisors	31-Oct-18	no	n/a	in specie	AUD	ORD	5,880	5,880
BlackRock (Singapore) Limited	01-Nov-18	no	n/a	in specie	AUD	ORD	19,140	19,140
BlackRock Advisors (UK) Limited	01-Nov-18	yes	2.64	on mkt buy	AUD	ORD	5,176	5,176
BlackRock Advisors (UK) Limited	01-Nov-18	yes	2.64	on mkt buy	AUD	ORD	4,675	4,675
BlackRock Advisors (UK) Limited	01-Nov-18	yes	2.64	on mkt buy	AUD	ORD	1,680	1,680
BlackRock Investment Management (Australia) Limited	01-Nov-18	yes	2.64	on mkt buy	AUD	ORD	66,750	66,750
BlackRock Japan Co., Ltd.	01-Nov-18	no	n/a	collateral transfer	AUD	ORD	12	12
BlackRock Investment Management (Australia) Limited	02-Nov-18	yes	2.69	on mkt buy	AUD	ORD	30,015	30,015
BlackRock Advisors (UK) Limited	02-Nov-18	yes	2.69	on mkt buy	AUD	ORD	6,500	6,500
BlackRock Fund Advisors	02-Nov-18	no	n/a	in specie	AUD	ORD	8,868	8,868
BlackRock Japan Co., Ltd.	02-Nov-18	no	n/a	collateral transfer	AUD	ORD	288,829	288,829
BlackRock Advisors (UK) Limited	02-Nov-18	no	n/a	collateral transfer	AUD	ORD	4,818,192	4,818,192
BlackRock Fund Advisors	05-Nov-18	no	n/a	in specie	AUD	ORD	16,800	16,800
BlackRock Fund Advisors	05-Nov-18	no	n/a	in specie	AUD	ORD	1,338	1,338
BlackRock Fund Advisors	06-Nov-18	yes	2.73	on mkt buy	AUD	ORD	7,905	7,905
BlackRock Advisors (UK) Limited	06-Nov-18	yes	2.71	on mkt buy	AUD	ORD	6,552	6,552
BlackRock Advisors (UK) Limited	06-Nov-18	yes	2.71	on mkt buy	AUD	ORD	14,330	14,330
BlackRock Investment Management (UK) Limited	06-Nov-18	no	n/a	collateral transfer	AUD	ORD	232,993	232,993
BlackRock Advisors (UK) Limited	07-Nov-18	yes	2.65	on mkt buy	AUD	ORD	6,487	6,487

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			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	07-Nov-18	yes	2.65	on mkt buy	AUD	ORD	3,780	3,780
BlackRock Advisors (UK) Limited	07-Nov-18	yes	2.65	on mkt buy	AUD	ORD	3,780	3,780
BlackRock Advisors (UK) Limited	07-Nov-18	yes	2.65	on mkt buy	AUD	ORD	1,982	1,982
BlackRock Advisors (UK) Limited	07-Nov-18	no	n/a	collateral transfer	AUD	ORD	614,644	614,644
BlackRock Investment Management (Australia) Limited	08-Nov-18	yes	2.61	on mkt buy	AUD	ORD	17,253	17,253
BlackRock Fund Advisors	08-Nov-18	no	n/a	in specie	AUD	ORD	14,000	14,000
BlackRock Financial Management, Inc.	08-Nov-18	no	n/a	collateral transfer	AUD	ORD	192,308	192,308
BlackRock Investment Management, LLC	08-Nov-18	no	n/a	collateral transfer	AUD	ORD	484,156	484,156
BlackRock Investment Management (UK) Limited	08-Nov-18	no	n/a	collateral transfer	AUD	ORD	17,404	17,404
BlackRock Advisors (UK) Limited	09-Nov-18	yes	2.67	on mkt buy	AUD	ORD	1,902	1,902
BlackRock Investment Management (Australia) Limited	09-Nov-18	yes	2.67	on mkt buy	AUD	ORD	356,728	356,728
BlackRock Fund Advisors	09-Nov-18	yes	2.67	on mkt buy	AUD	ORD	36,635	36,635
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	AUD	ORD	8,400	8,400
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	AUD	ORD	13,580	13,580
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	AUD	ORD	6,790	6,790
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	AUD	ORD	3,056	3,056
BlackRock Investment Management (UK) Limited	09-Nov-18	no	n/a	in specie	AUD	ORD	107,788	107,788
BlackRock Investment Management (UK) Limited	09-Nov-18	no	n/a	in specie	AUD	ORD	97,060	97,060
BlackRock Financial Management, Inc.	09-Nov-18	no	n/a	collateral transfer	AUD	ORD	18,163	18,163
BlackRock Investment Management, LLC	12-Nov-18	yes	2.58	on mkt buy	AUD	ORD	7,045	7,045
BlackRock Financial Management, Inc.	12-Nov-18	no	n/a	collateral transfer	AUD	ORD	29,273	29,273
BlackRock Investment Management (UK) Limited	12-Nov-18	no	n/a	collateral transfer	AUD	ORD	7,762	7,762
BlackRock Advisors (UK) Limited	13-Nov-18	yes	2.52	on mkt buy	AUD	ORD	6,531	6,531
BlackRock Fund Advisors	13-Nov-18	no	n/a	in specie	AUD	ORD	23,648	23,648
BlackRock Investment Management, LLC	13-Nov-18	no	n/a	collateral transfer	AUD	ORD	319	319
BlackRock Investment Management (UK) Limited	13-Nov-18	no	n/a	collateral transfer	AUD	ORD	10	10
BlackRock Financial Management, Inc.	14-Nov-18	no	n/a	in specie	AUD	ORD	69,002	69,002
BlackRock Advisors (UK) Limited	14-Nov-18	yes	2.51	on mkt buy	AUD	ORD	9,330	9,330
BlackRock Fund Advisors	14-Nov-18	no	n/a	in specie	AUD	ORD	22,400	22,400
BlackRock Investment Management (UK) Limited	14-Nov-18	no	n/a	in specie	AUD	ORD	8,517	8,517
BlackRock Financial Management, Inc.	14-Nov-18	no	n/a	collateral transfer	AUD	ORD	34,025	34,025
BlackRock Investment Management (UK) Limited	14-Nov-18	no	n/a	collateral transfer	AUD	ORD	2,977	2,977
BlackRock Investment Management (Australia) Limited	15-Nov-18	yes	2.53	on mkt buy	AUD	ORD	30,015	30,015
BlackRock Institutional Trust Company, National Association	15-Nov-18	yes	2.53	on mkt buy	AUD	ORD	41,153	41,153
BlackRock Fund Advisors	15-Nov-18	yes	2.53	on mkt buy	AUD	ORD	19,907	19,907
BlackRock Fund Advisors	15-Nov-18	no	n/a	in specie	AUD	ORD	16,800	16,800
BlackRock Fund Advisors	15-Nov-18	no	n/a	in specie	AUD	ORD	23,190	23,190
BlackRock Fund Advisors	15-Nov-18	no	n/a	in specie	AUD	ORD	35,558	35,558
BlackRock Investment Management, LLC	15-Nov-18	no	n/a	collateral transfer	AUD	ORD	336	336
BlackRock Investment Management (UK) Limited	15-Nov-18	no	n/a	collateral transfer	AUD	ORD	36,582	36,582
BlackRock Advisors (UK) Limited	16-Nov-18	yes	2.58	on mkt buy	AUD	ORD	4,059	4,059
BlackRock Advisors (UK) Limited	16-Nov-18	yes	2.58	on mkt buy	AUD	ORD	401	401
BlackRock Advisors (UK) Limited	16-Nov-18	yes	2.58	on mkt buy	AUD	ORD	1,675	1,675
BlackRock Fund Advisors	16-Nov-18	no	n/a	in specie	AUD	ORD	18,096	18,096
BlackRock Fund Advisors	16-Nov-18	no	n/a	in specie	AUD	ORD	14,780	14,780
BlackRock Advisors, LLC	16-Nov-18	no	n/a	in specie	AUD	ORD	43,425	43,425
BlackRock Fund Advisors	19-Nov-18	no	n/a	in specie	AUD	ORD	6,960	6,960
BlackRock Fund Advisors	19-Nov-18	no	n/a	in specie	AUD	ORD	15,030	15,030
BlackRock Investment Management, LLC	19-Nov-18	no	n/a	collateral transfer	AUD	ORD	127	127
BlackRock Investment Management (UK) Limited	19-Nov-18	no	n/a	collateral transfer	AUD	ORD	3	3
BlackRock Advisors (UK) Limited	20-Nov-18	yes	2.49	on mkt buy	AUD	ORD	12,872	12,872
BlackRock Advisors (UK) Limited	20-Nov-18	yes	2.49	on mkt buy	AUD	ORD	1,032	1,032
BlackRock Fund Advisors	20-Nov-18	no	n/a	in specie	AUD	ORD	7,515	7,515
BlackRock Fund Advisors	20-Nov-18	no	n/a	in specie	AUD	ORD	2,007	2,007
BlackRock Investment Management, LLC	20-Nov-18	no	n/a	collateral transfer	AUD	ORD	49	49
BlackRock Investment Management (UK) Limited	20-Nov-18	no	n/a	collateral transfer	AUD	ORD	6	6
BlackRock Asset Management Canada Limited	21-Nov-18	yes	2.44	on mkt buy	AUD	ORD	4,097	4,097
BlackRock Fund Advisors	21-Nov-18	no	n/a	in specie	AUD	ORD	8,001	8,001
BlackRock Financial Management, Inc.	21-Nov-18	no	n/a	collateral transfer	AUD	ORD	43	43

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			Cash	Non-cash	CCY			
BlackRock Fund Advisors	22-Nov-18	yes	2.42	on mkt buy	AUD	ORD	22,464	22,464
BlackRock Investment Management (Australia) Limited	22-Nov-18	yes	2.42	on mkt buy	AUD	ORD	33,089	33,089
BlackRock Financial Management, Inc.	22-Nov-18	no	n/a	collateral transfer	AUD	ORD	17	17
BlackRock Investment Management (UK) Limited	22-Nov-18	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Fund Advisors	23-Nov-18	no	n/a	in specie	AUD	ORD	19,600	19,600
BlackRock Advisors (UK) Limited	23-Nov-18	no	n/a	collateral transfer	AUD	ORD	2,897,576	2,897,576
BlackRock Advisors (UK) Limited	26-Nov-18	yes	2.39	on mkt buy	AUD	ORD	841	841
BlackRock Advisors (UK) Limited	26-Nov-18	yes	2.39	on mkt buy	AUD	ORD	2,005	2,005
BlackRock Institutional Trust Company, National Association	26-Nov-18	yes	2.39	on mkt buy	AUD	ORD	254,789	254,789
BlackRock Institutional Trust Company, National Association	26-Nov-18	yes	2.39	on mkt buy	AUD	ORD	137,743	137,743
BlackRock Fund Advisors	26-Nov-18	no	n/a	in specie	AUD	ORD	17,014	17,014
BlackRock Fund Advisors	26-Nov-18	no	n/a	in specie	AUD	ORD	65,856	65,856
BlackRock Fund Advisors	26-Nov-18	no	n/a	in specie	AUD	ORD	3,092	3,092
BlackRock Investment Management (Australia) Limited	27-Nov-18	yes	2.43	on mkt buy	AUD	ORD	33,350	33,350
BlackRock Advisors (UK) Limited	27-Nov-18	yes	2.43	on mkt buy	AUD	ORD	1,678	1,678
BlackRock Fund Advisors	27-Nov-18	no	n/a	in specie	AUD	ORD	5,568	5,568
BlackRock Advisors (UK) Limited	28-Nov-18	yes	2.35	on mkt buy	AUD	ORD	4,460	4,460
BlackRock Fund Advisors	28-Nov-18	no	n/a	in specie	AUD	ORD	13,224	13,224
BlackRock Fund Advisors	28-Nov-18	no	n/a	in specie	AUD	ORD	17,014	17,014
BlackRock Advisors (UK) Limited	29-Nov-18	yes	2.44	on mkt buy	AUD	ORD	19,320	19,320
BlackRock Fund Advisors	29-Nov-18	no	n/a	in specie	AUD	ORD	16,800	16,800
BlackRock Japan Co., Ltd.	29-Nov-18	no	n/a	collateral transfer	AUD	ORD	58,423	58,423
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	2.41	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

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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
BlackRock Investment Management (UK) Limited	06-Dec-18	no	n/a	collateral transfer	AUD	ORD	68,486	68,486
BlackRock Asset Management North Asia Limited	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	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	17-Dec-18	no	n/a	in specie	AUD	ORD	36,950	36,950
BlackRock Fund Advisors	17-Dec-18	no	n/a	in specie	AUD	ORD	4,434	4,434
BlackRock Fund Advisors	17-Dec-18	no	n/a	in specie	AUD	ORD	16,866	16,866
BlackRock Japan Co., Ltd.	17-Dec-18	no	n/a	collateral transfer	AUD	ORD	64,456	64,456
BlackRock Investment Management, LLC	17-Dec-18	no	n/a	collateral transfer	AUD	ORD	5,284	5,284
BlackRock Asset Management North Asia Limited	17-Dec-18	no	n/a	collateral transfer	AUD	ORD	649	649
BlackRock Advisors (UK) Limited	18-Dec-18	yes	2.36	on mkt buy	AUD	ORD	933	933
BlackRock Investment Management (UK) Limited	18-Dec-18	no	n/a	collateral transfer	AUD	ORD	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	2.38	on mkt buy	AUD	ORD	1,663	1,663
BlackRock Advisors (UK) Limited	20-Dec-18	yes	2.38	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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			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	2,894	2,894
BlackRock (Netherlands) B.V.	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	1,374	1,374
BlackRock Institutional Trust Company, National Association	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	50,499	50,499
BlackRock Institutional Trust Company, National Association	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	12,107	12,107
BlackRock (Netherlands) B.V.	20-Dec-18	yes	2.38	on mkt buy	AUD	ORD	5,721	5,721
BlackRock 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
BlackRock Fund Advisors	20-Dec-18	no	n/a	in specie	AUD	ORD	9,798	9,798
BlackRock 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 Investment Management (UK) Limited	20-Dec-18	no	n/a	collateral transfer	AUD	ORD	7,487	7,487
BlackRock Asset Management North Asia Limited	20-Dec-18	no	n/a	collateral transfer	AUD	ORD	849	849
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	51,546	51,546
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	87,730	87,730
BlackRock Japan Co., Ltd.	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	139,926	139,926
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	40,811	40,811
BlackRock Advisors (UK) Limited	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	400	400
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	18,959	18,959
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	18,683	18,683
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	26,335	26,335
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	2.32	on mkt buy	AUD	ORD	32,426	32,426
BlackRock Fund Advisors	21-Dec-18	no	n/a	in specie	AUD	ORD	16,800	16,800
BlackRock Fund Advisors	21-Dec-18	no	n/a	in specie	AUD	ORD	43,860	43,860
BlackRock 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 Asset Management North Asia Limited	21-Dec-18	no	n/a	collateral transfer	AUD	ORD	1,870	1,870
BlackRock Fund Advisors	24-Dec-18	yes	2.34	on mkt buy	AUD	ORD	18,662	18,662
BlackRock 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
BlackRock Fund Advisors	24-Dec-18	no	n/a	in specie	AUD	ORD	16,794	16,794
BlackRock Fund Advisors	24-Dec-18	no	n/a	in specie	AUD	ORD	33,588	33,588
BlackRock Fund Advisors	24-Dec-18	no	n/a	in specie	AUD	ORD	9,798	9,798
BlackRock Japan Co., Ltd.	24-Dec-18	no	n/a	collateral transfer	AUD	ORD	563	563
BlackRock Advisors (UK) Limited	24-Dec-18	no	n/a	collateral transfer	AUD	ORD	2,316,241	2,316,241
BlackRock Investment Management (UK) Limited	24-Dec-18	no	n/a	collateral transfer	AUD	ORD	12,491	12,491
BlackRock Asset Management North Asia Limited	24-Dec-18	no	n/a	collateral transfer	AUD	ORD	138	138
BlackRock Fund Advisors	26-Dec-18	no	n/a	in specie	AUD	ORD	32,624	32,624
BlackRock Fund Advisors	26-Dec-18	no	n/a	in specie	AUD	ORD	11,824	11,824
BlackRock Fund Advisors	26-Dec-18	no	n/a	in specie	AUD	ORD	32,516	32,516
BlackRock 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 transfer	AUD	ORD	84,141	84,141
BlackRock Financial Management, Inc.	26-Dec-18	no	n/a	collateral transfer	AUD	ORD	146	146
BlackRock Investment Management, LLC	26-Dec-18	no	n/a	collateral transfer	AUD	ORD	147,200	147,200
BlackRock Investment Management (UK) Limited	26-Dec-18	no	n/a	collateral transfer	AUD	ORD	108,413	108,413
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	yes	2.43	on mkt buy	AUD	ORD	54,296	54,296
BlackRock Fund Advisors	27-Dec-18	no	n/a	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

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			Cash	Non-cash	CCY			
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	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 Association	31-Dec-18	yes	2.45	on mkt buy	AUD	ORD	19,318	19,318
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 transfer	AUD	ORD	1,801	1,801
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
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

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			Cash	Non-cash	CCY			
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	AUD	ORD	5,460	5,460
BlackRock Japan Co., Ltd.	09-Jan-19	no	n/a	collateral transfer	AUD	ORD	1,124	1,124
BlackRock Financial Management, Inc.	09-Jan-19	no	n/a	collateral transfer	AUD	ORD	75	75
BlackRock Investment Management, LLC	09-Jan-19	no	n/a	collateral transfer	AUD	ORD	202	202
BlackRock Asset Management North Asia Limited	09-Jan-19	no	n/a	collateral transfer	AUD	ORD	659	659
BlackRock Advisors (UK) Limited	10-Jan-19	yes	2.56	on mkt buy	AUD	ORD	13,524	13,524
BlackRock Advisors (UK) Limited	10-Jan-19	yes	2.56	on mkt buy	AUD	ORD	1,372	1,372
BlackRock Advisors (UK) Limited	10-Jan-19	yes	2.56	on mkt buy	AUD	ORD	2,744	2,744
BlackRock Advisors (UK) Limited	10-Jan-19	yes	2.56	on mkt buy	AUD	ORD	1,914	1,914
BlackRock Fund Advisors	10-Jan-19	no	n/a	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	1,791	1,791
BlackRock Japan Co., Ltd.	15-Jan-19	no	n/a	collateral transfer	AUD	ORD	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	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	2.56	on mkt buy	AUD	ORD	925	925
BlackRock Advisors (UK) Limited	16-Jan-19	yes	2.56	on mkt buy	AUD	ORD	1,663	1,663
BlackRock Advisors (UK) Limited	16-Jan-19	yes	2.56	on mkt buy	AUD	ORD	1,663	1,663
BlackRock Investment Management (Australia) Limited	16-Jan-19	yes	2.56	on mkt buy	AUD	ORD	119,710	119,710
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	2.56	on mkt buy	AUD	ORD	15,495	15,495
BlackRock Fund Advisors	16-Jan-19	no	n/a	in specie	AUD	ORD	35,088	35,088
BlackRock Investment Management (UK) Limited	16-Jan-19	no	n/a	collateral transfer	AUD	ORD	15,069	15,069
BlackRock Asset Management Canada Limited	17-Jan-19	no	n/a	in specie	AUD	ORD	20,675	20,675
BlackRock Advisors (UK) Limited	17-Jan-19	yes	2.63	on mkt buy	AUD	ORD	33,900	33,900
BlackRock Advisors (UK) Limited	17-Jan-19	yes	2.62	on mkt buy	AUD	ORD	24,957	24,957
BlackRock Advisors (UK) Limited	17-Jan-19	yes	2.62	on mkt buy	AUD	ORD	1,794	1,794
BlackRock Fund Advisors	17-Jan-19	no	n/a	in specie	AUD	ORD	8,376	8,376
BlackRock Fund Advisors	17-Jan-19	no	n/a	in specie	AUD	ORD	9,798	9,798
BlackRock Japan Co., Ltd.	17-Jan-19	no	n/a	collateral transfer	AUD	ORD	2,014	2,014
BlackRock Financial Management, Inc.	17-Jan-19	no	n/a	collateral transfer	AUD	ORD	16	16
BlackRock Investment Management, LLC	17-Jan-19	no	n/a	collateral transfer	AUD	ORD	2,430	2,430
BlackRock Asset Management North Asia Limited	17-Jan-19	no	n/a	collateral transfer	AUD	ORD	604	604
BlackRock Financial Management, Inc.	18-Jan-19	yes	2.65	on mkt buy	AUD	ORD	6,152	6,152
BlackRock Investment Management (Australia) Limited	18-Jan-19	yes	2.66	on mkt buy	AUD	ORD	75,897	75,897
BlackRock Advisors (UK) Limited	21-Jan-19	yes	2.62	on mkt buy	AUD	ORD	19,722	19,722
BlackRock Advisors (UK) Limited	22-Jan-19	yes	2.63	on mkt buy	AUD	ORD	6,761	6,761
BlackRock Advisors (UK) Limited	22-Jan-19	yes	2.63	on mkt buy	AUD	ORD	1,379	1,379

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BlackRock Advisors (UK) Limited	22-Jan-19	yes	2.63	on mkt buy	AUD	ORD	1,416	1,416
BlackRock Investment Management (Australia) Limited	22-Jan-19	yes	2.63	on mkt buy	AUD	ORD	63,493	63,493
BlackRock Investment Management (Australia) Limited	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	yes	2.59	on mkt buy	AUD	ORD	177,346	177,346
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 Fund Advisors	24-Jan-19	yes	2.54	on mkt buy	AUD	ORD	154,191	154,191
BlackRock Institutional Trust Company, National Association	24-Jan-19	no	n/a	in specie	AUD	ORD	20,399	20,399
BlackRock Investment Management (Australia) Limited	25-Jan-19	yes	2.34	on mkt buy	AUD	ORD	19,998	19,998
BlackRock Advisors (UK) Limited	25-Jan-19	yes	2.34	on mkt buy	AUD	ORD	41,905	41,905
BlackRock Investment Management (Australia) Limited	29-Jan-19	yes	2.30	on mkt buy	AUD	ORD	53,328	53,328
BlackRock Advisors (UK) Limited	29-Jan-19	yes	2.30	on mkt buy	AUD	ORD	4,120	4,120
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	2.30	on mkt buy	AUD	ORD	269,640	269,640
BlackRock Capital Management, Inc.	29-Jan-19	no	n/a	collateral transfer	AUD	ORD	450	450
BlackRock Investment Management (UK) Limited	29-Jan-19	no	n/a	collateral transfer	AUD	ORD	331,739	331,739
BlackRock Asset Management North Asia Limited	29-Jan-19	no	n/a	collateral transfer	AUD	ORD	5,811	5,811
BlackRock Investment Management, LLC	29-Jan-19	no	n/a	in specie	USD	ADR 4:1	151	604
BlackRock Fund Advisors	30-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	16,330	16,330
BlackRock Investment Management (UK) Limited	30-Jan-19	no	n/a	collateral transfer	AUD	ORD	1,120	1,120
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 Fund Advisors	31-Jan-19	no	n/a	in specie	AUD	ORD	45,660	45,660
BlackRock Fund Advisors	31-Jan-19	no	n/a	in specie	AUD	ORD	2,840	2,840
BlackRock Institutional Trust Company, National Association	31-Jan-19	no	n/a	in specie	AUD	ORD	54,930	54,930
BlackRock Institutional Trust Company, National Association	31-Jan-19	no	n/a	in specie	AUD	ORD	43,176	43,176
BlackRock Fund Advisors	01-Feb-19	yes	2.27	on mkt buy	AUD	ORD	39,649	39,649
BlackRock Fund Advisors	01-Feb-19	yes	2.24	on mkt buy	AUD	ORD	35,177	35,177
BlackRock Institutional Trust Company, National Association	01-Feb-19	yes	2.24	on mkt buy	AUD	ORD	17,573	17,573
BlackRock Investment Management (UK) Limited	01-Feb-19	yes	2.24	on mkt buy	AUD	ORD	72,002	72,002
BlackRock Advisors (UK) Limited	01-Feb-19	no	n/a	collateral transfer	AUD	ORD	337,997	337,997
BlackRock Advisors (UK) Limited	04-Feb-19	yes	2.21	on mkt buy	AUD	ORD	1,852	1,852
BlackRock Advisors (UK) Limited	04-Feb-19	yes	2.21	on mkt buy	AUD	ORD	2,392	2,392
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	yes	2.41	on mkt buy	AUD	ORD	1,226	1,226
BlackRock Fund Advisors	06-Feb-19	no	n/a	in specie	AUD	ORD	25,970	25,970
BlackRock Fund Advisors	06-Feb-19	no	n/a	in specie	AUD	ORD	77,910	77,910
BlackRock Fund Advisors	06-Feb-19	no	n/a	in specie	AUD	ORD	51,940	51,940
BlackRock Investment Management (UK) Limited	06-Feb-19	no	n/a	collateral transfer	AUD	ORD	4	4
BlackRock Investment Management (Australia) Limited	07-Feb-19	yes	2.47	on mkt buy	AUD	ORD	1,226	1,226
BlackRock Advisors (UK) Limited	07-Feb-19	yes	2.47	on mkt buy	AUD	ORD	1,107	1,107
BlackRock Fund Advisors	07-Feb-19	no	n/a	in specie	AUD	ORD	77,910	77,910
BlackRock Japan Co., Ltd.	07-Feb-19	no	n/a	collateral transfer	AUD	ORD	8	8
BlackRock Financial Management, Inc.	07-Feb-19	no	n/a	collateral transfer	AUD	ORD	4	4
BlackRock Investment Management, LLC	07-Feb-19	no	n/a	collateral transfer	AUD	ORD	37	37
BlackRock Investment Management (UK) Limited	07-Feb-19	no	n/a	collateral transfer	AUD	ORD	45,376	45,376
BlackRock Asset Management North Asia Limited	07-Feb-19	no	n/a	collateral transfer	AUD	ORD	2	2
BlackRock Japan Co., Ltd.	08-Feb-19	yes	2.44	on mkt buy	AUD	ORD	79,484	79,484
BlackRock Investment Management (UK) Limited	08-Feb-19	yes	2.44	on mkt buy	AUD	ORD	8,964	8,964
BlackRock Investment Management (UK) Limited	11-Feb-19	yes	2.42	on mkt buy	AUD	ORD	152,065	152,065
BlackRock Advisors (UK) Limited	11-Feb-19	yes	2.42	on mkt buy	AUD	ORD	113,565	113,565
BlackRock Institutional Trust Company, National Association	11-Feb-19	yes	2.42	on mkt buy	AUD	ORD	58,570	58,570

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			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	11-Feb-19	no	n/a	collateral transfer	AUD	ORD	179,000	179,000
BlackRock Fund Advisors	12-Feb-19	no	n/a	in specie	AUD	ORD	22,488	22,488
BlackRock Investment Management (UK) Limited	13-Feb-19	no	n/a	in specie	AUD	ORD	665,018	665,018
BlackRock Advisors (UK) Limited	13-Feb-19	yes	2.44	on mkt buy	AUD	ORD	40,968	40,968
BlackRock Advisors (UK) Limited	13-Feb-19	yes	2.44	on mkt buy	AUD	ORD	29,269	29,269
BlackRock Fund Advisors	13-Feb-19	no	n/a	in specie	AUD	ORD	13,508	13,508
BlackRock Japan Co., Ltd.	13-Feb-19	no	n/a	collateral transfer	AUD	ORD	2,788	2,788
BlackRock Advisors (UK) Limited	13-Feb-19	no	n/a	collateral transfer	AUD	ORD	4	4
BlackRock Financial Management, Inc.	13-Feb-19	no	n/a	collateral transfer	AUD	ORD	1,198	1,198
BlackRock Investment Management (UK) Limited	13-Feb-19	no	n/a	collateral transfer	AUD	ORD	48,076	48,076
BlackRock Advisors (UK) Limited	14-Feb-19	yes	2.25	on mkt buy	AUD	ORD	1,280	1,280
BlackRock Advisors (UK) Limited	14-Feb-19	no	n/a	collateral transfer	AUD	ORD	49,262	49,262
BlackRock Investment Management (UK) Limited	15-Feb-19	yes	2.21	on mkt buy	AUD	ORD	146,757	146,757
BlackRock Advisors (UK) Limited	15-Feb-19	yes	2.18	on mkt buy	AUD	ORD	4,837	4,837
BlackRock Advisors (UK) Limited	18-Feb-19	no	n/a	collateral transfer	AUD	ORD	4,534,400	4,534,400
BlackRock Advisors (UK) Limited	19-Feb-19	yes	2.22	on mkt buy	AUD	ORD	13,750	13,750
BlackRock Advisors (UK) Limited	19-Feb-19	yes	2.22	on mkt buy	AUD	ORD	4,170	4,170
BlackRock Fund Advisors	19-Feb-19	no	n/a	in specie	AUD	ORD	985	985
BlackRock Japan Co., Ltd.	19-Feb-19	no	n/a	collateral transfer	AUD	ORD	2,418,966	2,418,966
BlackRock Financial Management, Inc.	20-Feb-19	yes	2.24	on mkt buy	AUD	ORD	8,059	8,059
BlackRock Investment Management (UK) Limited	20-Feb-19	yes	2.21	on mkt buy	AUD	ORD	26,994	26,994
BlackRock Fund Advisors	20-Feb-19	yes	2.27	on mkt buy	AUD	ORD	65,183	65,183
BlackRock Advisors (UK) Limited	21-Feb-19	yes	2.32	on mkt buy	AUD	ORD	13,756	13,756
BlackRock Advisors (UK) Limited	21-Feb-19	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

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

25-Feb-19

Bradley Taylor,
Authorised Signatory

Date

7. Addresses

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

Name	Address
BlackRock Group	
BlackRock Inc.	55 East 52nd Street New York NY 10055 USA
BlackRock (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
BlackRock (Singapore) Limited	20 Anson Road #18-01 079912 Singapore
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801. United States
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
BlackRock 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, Chivoda-ku, Tokyo 100-8217 (Japan)
BlackRock Capital Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801. United States

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

Bradley Taylor, Authorised Signatory
Date

25-Feb-19

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

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