Form 603

Corporations Act 2001 Section 671B

Notice of initial substantial holder

To Company Name/Scheme	ALS LTD
ACN/ARSN	009 657 489

1. Details of substantial holder (1)

Name	BlackRock Group	(BlackRock	Inc. a	and	subsidiaries	named	in Annexures	
ACN/ARSN (if applicable)	to this form)							

The holder became a substantial holder on

04 /12 /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 24,448,599		24,448,599	5.06

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					

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

print name Maria Tricarico	capacity	Auth	orise	d Signatory*
sign here	date	06/	12	/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.

Annexure A

	06-Dec-19
Maria Tricarico,	Date
Authorised Signatory	

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.	SSB-STATE STREET LONDON		ORD	64,951	64,951	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	522,666	522,666	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	247,905	247,905	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	71,972	71,972	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	48,959	48,959	subsidiary of BlackRock Inc.	

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	if Nature of Relevant Interest Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities		Person's votes	Nature of Association	
BlackRock Advisors, LLC			ORD	39,475	39,475	subsidiary of BlackRock Inc.		
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD	212,438	212,438	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	33,934	33,934	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.	BNYM-CIBC MELLON GLOBAL SECURITIES - NEW YORK		ORD	207,401	207,401	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD	24,899	24,899	subsidiary of BlackRock Inc.	
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO CHICAGO		ORD	15,300	15,300	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	89,380	89,380	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	391	391	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	663	663	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 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	106,229	106,229	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC, HONG KONG		ORD	15,696	15,696	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	10,584	10,584	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.	Mitsubishi UFJ Investor Services & Banking Lux S.A		ORD	11,646	11,646	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 CO CHICAGO		ORD	25,507	25,507	subsidiary of BlackRock Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD	230,489	230,489	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	93,813	93,813	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ORD	4,648,743	4,648,743	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	447,268	447,268	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 Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ORD	99,533	99,533	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.	CITI-CITIGROUP GLOBAL MARKETS PRIME BROKERAGE - NEW YORK		ORD	65,815	65,815	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	4,613,563	4,613,563	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.	MS-MORGAN STANLEY & CO INC		ORD	12,819	12,819	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	35,981	35,981	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	11,787	11,787	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	383,987	383,987	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	1,883	1,883	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	UBS- UBS- ZURICH		ORD	89,557	89,557	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 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	100,294	100,294	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ORD	83,728	83,728	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	619,250	619,250	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	3,608,153	3,608,153	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	2,000,086	2,000,086	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	435,984	435,984	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	UBS- UBS- ZURICH		ORD	169,254	169,254	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNP-BNP Paribas Milan		ORD	44,850	44,850	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	227,684	227,684	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 (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	231,700	231,700	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 INTERNATIONAL PLC (LUXEMBOURG BRANCH		ORD	47,579	47,579	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	675,042	675,042	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	262,279	262,279	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	3,175	3,175	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	1,050,805	1,050,805	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	13,438	13,438	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	6,482	6,482	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 S.p.A		ORD	47,292	47,292	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		number of Irities	Person's votes	Nature of Association
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY LUXEMBOURG		ORD	75,289	75,289	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	151,200	151,200	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	36,562	36,562	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-JPM CHASE - LONDON		ORD	12,816	12,816	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	4,039	4,039	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ORD	35,666	35,666	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD	13,347	13,347	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	36,680	36,680	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-JPM CHASE - LONDON		ORD	160,848	160,848	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	0.000 0.00	l number of urities	Person's votes	Nature of Association
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.	MITSUI-SUMITOMO TRUST		ORD	82,503	82,503	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	JPM-JPM CHASE - SYDNEY		ORD	172,999	172,999	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	256,192	256,192	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.	Northern Trust Singapore		ORD	15,382	15,382	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	1,282,767	1,282,767	subsidiary of BlackRock Inc.

This is Annexure B of 16 pages referred to in form 603 Notice of initial substantial shareholder

06-Dec-19

Date

Maria Tricarico, Authorised Signatory

5. Consideration

		ALS LT	D (ALQ)					
	Date of Acquis	ition / Trans	Cons	ideration		Class and	number of	Person's
Holder of Relevant Interest	on a prescribe		Cash	Non-cash	CCY		s affected	votes affected
BlackRock Advisors (UK) Limited	05-Aug-19	yes	6.79	on mkt buy	AUD	ORD	1,312	1,312
BlackRock Investment Management (Australia) Limited	06-Aug-19	yes	6.81	on mkt buy	AUD	ORD	3,948	3,948
BlackRock Investment Management (Australia) Limited	09-Aug-19	yes	7.18		AUD	ORD	4,512	4,512
BlackRock Investment Management (Australia) Limited	09-Aug-19	yes	7.18	on mkt buy	AUD	ORD	15,679	15,679
BlackRock Investment Management (Australia) Limited	09-Aug-19	yes	7.18	on mkt buy	AUD	ORD	11,208	11,208
BlackRock Investment Management, LLC	14-Aug-19	yes	7.66	on mkt buy	AUD	ORD	2,772	2,772
BlackRock Fund Advisors	15-Aug-19	no	n/a	in specie	AUD	ORD	4,340	4,340
BlackRock Fund Advisors	16-Aug-19	no	n/a	in specie	AUD	ORD	1,503	1,503
BlackRock Advisors (UK) Limited	19-Aug-19	yes	7.54		AUD	ORD	1,312	1,312
BlackRock Institutional Trust Company, National Association	19-Aug-19	yes	7.54	-	AUD	ORD	14,464	14,464
BlackRock Investment Management (Australia) Limited	20-Aug-19	yes	7.73	-	AUD	ORD	4,512	4,512
BlackRock Investment Management (Australia) Limited	21-Aug-19	yes	7.57	-	AUD	ORD	1,692	1,692
BlackRock Investment Management (Australia) Limited	23-Aug-19	yes	7.67	on mkt buy	AUD	ORD	2,820	2,820
BlackRock Investment Management (UK) Limited	27-Aug-19	yes	7.61	on mkt buy	AUD	ORD	7,578	7,578
BlackRock Institutional Trust Company, National Association	30-Aug-19	yes	7.67	on mkt buy	AUD	ORD	34,087	34,087
BlackRock Fund Advisors	30-Aug-19	no	n/a	in specie	AUD	ORD	2,645	2,645
BlackRock Investment Management (UK) Limited	03-Sep-19	yes	7.76	on mkt buy	AUD	ORD	12,014	12,014
BlackRock Investment Management (Australia) Limited	03-Sep-19	yes	7.78	on mkt buy	AUD	ORD	3,384	3,384
BlackRock Institutional Trust Company, National Association	05-Sep-19	yes	7.92	on mkt buy	AUD	ORD	7,392	7,392
BlackRock Fund Advisors	05-Sep-19	no	n/a	in specie	AUD	ORD	2,300	2,300
BlackRock Fund Advisors	05-Sep-19	no	n/a	in specie	AUD	ORD	1,380	1,380
BlackRock Investment Management (Australia) Limited	06-Sep-19	yes	8.05	on mkt buy	AUD	ORD	6,768	6,768
BlackRock Asset Management Canada Limited	06-Sep-19	yes	8.05	on mkt buy	AUD	ORD	36,953	36,953
BlackRock Fund Advisors	06-Sep-19	no	n/a	in specie	AUD	ORD	1,840	1,840
BlackRock Investment Management (Australia) Limited	10-Sep-19	yes	8.02	on mkt buy	AUD	ORD	4,512	4,512
BlackRock Fund Advisors	10-Sep-19	no	n/a	in specie	AUD	ORD	2,070	2,070
BlackRock Fund Advisors	11-Sep-19	no	n/a	in specie	AUD	ORD	805	805
BlackRock Fund Advisors	13-Sep-19	no	n/a	in specie	AUD	ORD	805	805
BlackRock Fund Advisors	13-Sep-19	no	n/a	in specie	AUD	ORD	652	652
BlackRock Investment Management (Australia) Limited	18-Sep-19	yes	8.10	on mkt buy	AUD	ORD	8,639	8,639
BlackRock Investment Management (Australia) Limited	20-Sep-19	yes	8.13	on mkt buy	AUD	ORD	3,948	3,948
BlackRock Fund Advisors	24-Sep-19	no	n/a	in specie	AUD	ORD	1,096	1,096
BlackRock Investment Management (Australia) Limited	25-Sep-19	yes	8.10	on mkt buy	AUD	ORD	5,076	5,076
BlackRock Asset Management Canada Limited	27-Sep-19	yes	8.12	on mkt buy	AUD	ORD	2,757	2,757
BlackRock Investment Management (Australia) Limited	30-Sep-19	yes	8.02	on mkt buy	AUD	ORD	5,640	5,640
BlackRock Advisors (UK) Limited	30-Sep-19	yes	8.02	on mkt buy	AUD	ORD	656	656
BlackRock Investment Management (Australia) Limited	01-Oct-19	yes	8.13		AUD	ORD	4,538	4,538
BlackRock Investment Management (Australia) Limited	01-Oct-19	yes	8.11	on mkt buy	AUD	ORD	564	564
BlackRock Institutional Trust Company, National Association	02-Oct-19	yes	8.05	on mkt buy	AUD	ORD	1,970	1,970

Association Number of the second		Data of Acquici	tion / Trans	Consi	deration		Class and	number of	Person's
Association Biol	Holder of Relevant Interest			Cash	Non-cash	CCY			
Bioschool, Japan Ca, Lid 02-Oct-19 yes 8.05 on mot buy ALD ORD 1.388 1		02-Oct-19	yes	8.05	on mkt buy	AUD	ORD	952	952
BlackBack Japan Co., Ltd. 02-Oct-10 yes 8.05 orn Mt bay AUD ORD 2.128 2.744 2.774 BlackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 orn Mt bay AUD ORD 5.219 5.319 5.317 BlackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 orn Mt bay AUD ORD 5.219 5.817 BlackRock Advance, LC 03-Oct-19 yes 8.11 orn Mt bay AUD ORD 5.874 5.877 BlackRock Advance, LC 03-Oct-19 yes 8.11 orn Mt bay AUD ORD 2.847 7.877 BlackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 orn Mt bay AUD ORD 3.362 3.3632 BlackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 orn Mt bay AUD ORD 3.567 8.571 BlackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 orn Mt bay <		02-Oct-19	yes	8.05	on mkt buy	AUD	ORD	1,996	1,996
BiackGeck Institutional Trust Company, National 0-x0-Cr-19 yes 8.11 on mick buy AUD ORD 3,722 3,727 2,747 5,747 5,747 2,728 3,722 3,622 3,662 3,662 3,662 3,662 3,662 3,662 3,662 3,662 3,662 <th< td=""><td>• •</td><td></td><td>,</td><td>8.05</td><td>,</td><td></td><td></td><td></td><td>2,156</td></th<>	• •		,	8.05	,				2,156
Association BackRock Investment Management (Australia) 0-3-Oct-19 yes 8.11 on mix buy AUD ORD 5.319 5.315 BackRock Instantional Trust Company, National 0-3-Oct-19 yes 8.11 on mix buy AUD ORD 5.817 5.817 BackRock Advisors_LLC 0-3-Oct-19 yes 8.11 on mix buy AUD ORD 2.847 7.947 BlackRock Advisors_LLC 0-3-Oct-19 yes 8.11 on mix buy AUD ORD 2.834 20.304 20	BlackRock Investment Management, LLC	02-Oct-19	yes	8.05	on mkt buy	AUD	ORD	2,764	2,764
BiockReck Investment Management (Australia) 0.3-Oct-19 yes 8.11 on mkt buy AUD ORD 5.319 5.315 BiockReck Instructional Tust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 5.874 2.8747 2.247 Association 03-Oct-19 yes 8.11 on mkt buy AUD ORD 2.304 2.304 2.304 2.304 2.304 2.303 3.362 BiockReck Netsitutional Tust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 4.574 4.574 BiockReck Institutional Tust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 5.851 8.657 BiockReck Institutional Tust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD OR		03-Oct-19	yes	8.11	on mkt buy	AUD	ORD	3,722	3,722
Linited BiolaRock Advisors, LLC 03 Oct-19 yes 8.11 or mkt buy AUD ORD 5.874 5.874 BiolaRock Advisors, LLC 03 Oct-19 yes 8.11 or mkt buy AUD ORD 5.874 5.874 BiolaRock Advisors, LLC 03 Oct-19 yes 8.11 or mkt buy AUD ORD 2.334 BiolaRock Advisors, LLC 03 Oct-19 yes 8.11 or mkt buy AUD ORD 2.332 BiolaRock Advisors, LLC 03 Oct-19 yes 8.11 or mkt buy AUD ORD 3.362 3.362 BiolaRock Asset Management Canada Limited 03 Oct-19 yes 8.11 or mkt buy AUD ORD 4.574 4.574 BiolaRock Asset Management Canada Limited 03 Oct-19 yes 8.11 or mkt buy AUD ORD 7.278 7.278 Association 03 Oct-19 yes 8.11 or mkt buy AUD ORD 7.278 7.276 Association 03 Oct-19		03-Oct-19	ves	8.11	on mkt buy	AUD	ORD	5,319	5,319
BlackRock Institutional Trust Company, National 0:3-Oct-19 yes 8.11 on mkt buy AUD ORD 1.967 1.987 BlackRock Advisors, LLC 0:3-Oct-19 yes 8.11 on mkt buy AUD ORD 2,747 3,362 3,426 4,456 4,456<	Limited		-						
Association BuckRock Advisors, LC 03-Oct-19 yes 6.11 on mik buy AUD ORD 2.747 C.2474 BuckRock Advisors, LC 03-Oct-19 yes 6.11 on mik buy AUD ORD 2.747 C.2474								•	
BlackRock institutional Trust Company, National 03-Oct-19 yes 8.11 on mik buy AUD ORD 20.304 20.304 BlackRock institutional Trust Company, National 03-Oct-19 yes 8.11 on mik buy AUD ORD 4.966 4.966 BlackRock institutional Trust Company, National 03-Oct-19 yes 8.11 on mik buy AUD ORD 3.032 3.033 BlackRock institutional Trust Company, National 03-Oct-19 yes 8.11 on mik buy AUD ORD 4.574 BlackRock institutional Trust Company, National 03-Oct-19 yes 8.11 on mik buy AUD ORD 7.278 7.278 Association DiackRock institutional Trust Company, National 03-Oct-19 yes 8.01 on mik buy AUD ORD 1.820 1.822 LinkRock Advisors 03-Oct-19 yes 8.02 on mik buy AUD ORD 4.668 4.656 BlackRock Advisors LC 04-Oct-19 yes 8.02 on mik buy A		03-Oct-19	yes	8.11	on mkt buy	AUD	ORD	1,967	1,967
BiockRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mik buy AUD ORD 20.304 20.304 BlackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mik buy AUD ORD 4.966 4.966 BlackRock Asset Management Canada Limited 03-Oct-19 yes 8.11 on mik buy AUD ORD 3.032 3.033 BlackRock Asset Management Canada Limited 03-Oct-19 yes 8.11 on mik buy AUD ORD 4.574 BlackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mik buy AUD ORD 7.278 7.276 Association 03-Oct-19 yes 8.01 on mik buy AUD ORD 1.822 Litter BlackRock Advisors 03-Oct-19 yes 8.02 on mik buy AUD ORD 1.822 Litter BlackRock Advisors 04-Oct-19 yes 8.02 on mik buy AUD ORD 4.034 4.455	BlackRock Advisors, LLC	03-Oct-19	yes	8.11	on mkt buy	AUD	ORD	2,747	2,747
Bischer Isstutional Truit Company, National 03-Oct-19 yes B.11 on mit buy AUD ORD 4.966 4.966 BLACKROCK FinANCIAL MARAGEMENT, INC. 03-Oct-19 yes B.11 on mit buy AUD ORD 3.362 3.362 BlackRock Asset Management Canada Limited 03-Oct-19 yes B.11 on mit buy AUD ORD 4.574 BlackRock Asset Management Canada Limited 03-Oct-19 yes B.11 on mit buy AUD ORD 4.574 BlackRock Institutional Trust Company, National 03-Oct-19 yes B.11 on mit buy AUD ORD 7.278 7.276 BlackRock Advisors LC 04-Oct-19 yes B.01 on mit buy AUD ORD 1.820 1.822 Limited BlackRock Advisors LC 04-Oct-19 yes B.02 on mit buy AUD ORD 4.668 4.668 BlackRock Advisors LC 04-Oct-19 yes B.02 on mit buy AUD ORD 4.296 <		03-Oct-19	yes	8.11	on mkt buy	AUD	ORD	20,304	20,304
BLACKROCK FINANCIAL MANAGEMENT, INC. 03-Oct-19 yes 8.11 on mkt buy AUD ORD 3.382 3.382 BlackRock Asset Management Canada Limited 03-Oct-19 yes 8.11 on mkt buy AUD ORD 3.032 3.032 BlackRock Asset Management Canada Limited 03-Oct-19 yes 8.11 on mkt buy AUD ORD 4.574 4.574 BlackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 7.276 7.277 BlackRock Area Management (UK) 03-Oct-19 yes 8.01 on mkt buy AUD ORD 1.820 1.820 BlackRock Arises 03-Oct-19 yes 8.02 on mkt buy AUD ORD 6.54 664 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.584 4.665 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.	BlackRock Institutional Trust Company, National	03-Oct-19	yes	8.11	on mkt buy	AUD	ORD	4,966	4,966
BackRock Asset Management Canada Limited 03-Oct-19 yes 8.11 on mkt buy AUD ORD 4.574 4.574 BiackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 8.651 8.651 BiackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 7.278 BiackRock Institutional Trust Company, National 03-Oct-19 yes 8.01 on mkt buy AUD ORD 6.454 BiackRock Advisors 03-Oct-19 yes 8.02 on mkt buy AUD ORD 4.658 4.656 BiackRock Advisors 04-Oct-19 yes 8.02 on mkt buy AUD ORD 2.906 BiackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.419 4.416 BiackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 6.321 6.331 <		03-Oct-19	yes	8.11	on mkt buy	AUD	ORD	3,362	3,362
BiackRock Asset Management Canada Limited 03-Oct-19 yes 8.11 on mkt buy AUD ORD 4.574 4.574 BiackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 8.651 8.651 BiackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 7.278 BiackRock Institutional Trust Company, National 03-Oct-19 yes 8.01 on mkt buy AUD ORD 6.42 Linited BiackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.6458 4.656 BiackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 2.906 Association BiackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.912 4.1418 BiackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy	BlackBack Asset Management Canada Limited	03-Oct-19	VAS	8 11	on mkt buv			3 032	3 032
BiackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 7.278 7.278 Association BiackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 7.278 7.278 Association BiackRock Institutional Trust Company, National 03-Oct-19 yes 8.01 on mkt buy AUD ORD 1.822 Limited BiackRock Advisors, LLC 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.645.8 4.656 BiackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.419 4.415 BiackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 6.381 6.381 BiackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 16.792 16.792 BiackRock Institutional Trust Company, National 04-Oct-19 y			-						
Association Name Association BlackRock Investment Management (UK) 03-Oct-19 yes 8.11 on mkt buy AUD ORD 7,278 7,278 BlackRock Investment Management (UK) 03-Oct-19 no n'a in specie AUD ORD 6.64 654 BlackRock Advisors, LLC 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.658 4.658 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 2.909 2.909 2.909 2.909 2.906 Association BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.419 4.419 4.419 4.419 4.419 4.419 4.419 4.419 4.419 4.419 4.419 4.4119 4.526 8.226 nm kt buy AUD ORD 6.381 6.381 4.536 4.526 6.526 6.55 5.56 5.56 5.56 5.56	BlackRock Asset Management Canada Limited	03-Oct-19	yes	8.11	on mkt buy	AUD	ORD	4,574	4,574
BlackRock Institutional Trust Company, National 03-Oct-19 yes 8.11 on mkt buy AUD ORD 7,278 7,278 BlackRock Investment Management (UK) 03-Oct-19 yes 8.01 on mkt buy AUD ORD 1,820 1,820 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4,655 4,655 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 2,909 2,909 Association BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4,419 4,415 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 6,381 6,381 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 1,572 1,572 Liniked BlackRock Institutional Trust Company, National 04-Oct-19 <t< td=""><td></td><td>03-Oct-19</td><td>yes</td><td>8.11</td><td>on mkt buy</td><td>AUD</td><td>ORD</td><td>8,651</td><td>8,651</td></t<>		03-Oct-19	yes	8.11	on mkt buy	AUD	ORD	8,651	8,651
BlackRock Investment Management (UK) 03-Oct-19 yes 8.01 on mik buy AUD ORD 1.820 1.820 BlackRock Arwid Advisors 03-Oct-19 no n'a in specie AUD ORD 664 664 665 BlackRock Arwidsers, LLC 04-Oct-19 yes 8.02 on mik buy AUD ORD 16,814 18,149 1	BlackRock Institutional Trust Company, National	03-Oct-19	yes	8.11	on mkt buy	AUD	ORD	7,278	7,278
BlackRock Fund Advisors 03-Oct-19 no n'a in specie AUD ORD 664 664 665 BlackRock Advisors, LLC 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.658 4.655 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.419 4.419 Association BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.419 4.419 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 6.381 6.381 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.00 on mkt buy AUD ORD 16.792 15.792 Limited 04-Oct-19 yes 8.01 on mkt buy AUD ORD 1.002 1.002 1.002 1.002 1.002 1.002 1.002 1.002 1.002 1.002 1.002	BlackRock Investment Management (UK)	03-Oct-19	yes	8.01	on mkt buy	AUD	ORD	1,820	1,820
BlackRock Advisors, LLC 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4.658 4.655 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 18,149 18,149 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 2,909 2,909 BlackRock Asset Management Canada Limited 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4,419 4	BlackRock Fund Advisors	03-Oct-19	no	n/a	in specie	AUD	ORD	654	654
Association 04-Oct-19 yes 8.02 on mkt buy AUD ORD 2,909 2,900 Association 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4,419 4,419 BlackRock Asset Management Canada Limited 04-Oct-19 yes 8.02 on mkt buy AUD ORD 8,226 8,226 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 6,381 6,381 Association 2 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.00 on mkt buy AUD ORD 6,381 6,381 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.01 on mkt buy AUD ORD 1,002 1,002 1,002 Association BlackRock Investment Management (Australia) 04-Oct-19 yes 8.15 on mkt buy AUD ORD 056 656 BlackRock Institutional Trust Company, National 08-Oct-19 yes 8.16 on mkt buy AUD ORD 8,723 8,723	BlackRock Advisors, LLC	04-Oct-19	yes	8.02	on mkt buy	AUD	ORD	4,658	4,658
BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 2,909 2		04-Oct-19	yes	8.02	on mkt buy	AUD	ORD	18,149	18,149
BlackRock Asset Management Canada Limited 04-Oct-19 yes 8.02 on mkt buy AUD ORD 4,419 4,419 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 6,381 6,381 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 6,381 6,381 BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.00 on mkt buy AUD ORD 15,792 15,792 Limited BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.10 on mkt buy AUD ORD 16,033 30,303 BlackRock Investment Management (Australia) 04-Oct-19 yes 8.16 on mkt buy AUD ORD 9,883 99,883 BlackRock Institutional Trust Company, National 08-Oct-19 yes 8.16 on mkt buy AUD ORD 8,723 8,723 BlackRock Institutional Trust Company, National 08-Oct-19 yes	BlackRock Institutional Trust Company, National	04-Oct-19	yes	8.02	on mkt buy	AUD	ORD	2,909	2,909
AssociationAutomatical and the second se		04-Oct-19	yes	8.02	on mkt buy	AUD	ORD	4,419	4,419
BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.02 on mkt buy AUD ORD 6.381 6.381 Association BlackRock Investment Management (Australia) 04-Oct-19 yes 8.00 on mkt buy AUD ORD 15.792 15.792 Limited BlackRock Institutional Trust Company, National 04-Oct-19 yes 8.01 on mkt buy AUD ORD 1.002 1.002 Association 07-Oct-19 yes 8.15 on mkt buy AUD ORD 666 656 BlackRock Investment Management (Australia) 08-Oct-19 no n/a in specie AUD ORD 880 880 BlackRock Investment Management (Australia) 08-Oct-19 yes 8.16 on mkt buy AUD ORD 3.033 8.723 Limited BlackRock Investment Management (Australia) 08-Oct-19 yes 8.16 on mkt buy AUD ORD 3.146 3.146 BlackRock Institutional Trust Company, National 08-Oct-19 yes 8.		04-Oct-19	yes	8.02	on mkt buy	AUD	ORD	8,226	8,226
BlackRock Investment Management (Australia) 04-Oct-19 yes 8.00 on mkt buy AUD ORD 15,792 15,792 15,792 Limited DiackRock Institutional Trust Company, National 04-Oct-19 yes 8.01 on mkt buy AUD ORD 1,002 1,002 Association 04-Oct-19 yes 8.15 on mkt buy AUD ORD 3,036 3,036 BlackRock Investment Management (Australia) 08-Oct-19 no n/a in specie AUD ORD 99,883 99,883 BlackRock Investment Management (Australia) 08-Oct-19 yes 8.16 on mkt buy AUD ORD 880 880 Association BlackRock Institutional Trust Company, National 08-Oct-19 yes 8.16 on mkt buy AUD ORD 8,723 8,723 Limited BlackRock Institutional Trust Company, National 08-Oct-19 yes 8.16 on mkt buy AUD ORD 12,839 12,839 BlackRock Institutional Trust Company, National 08-Oct-19	BlackRock Institutional Trust Company, National	04-Oct-19	yes	8.02	on mkt buy	AUD	ORD	6,381	6,381
BlackRock Institutional Trust Company, National Association04-Oct-19yes8.01on mkt buyAUDORD1,0021,002Association07-Oct-19yes8.15on mkt buyAUDORD656656BlackRock Advisors07-Oct-19non/ain specieAUDORD3,0363,036BlackRock Investment Management (Australia)08-Oct-19non/ain specieAUDORD880880BlackRock Investment Management (Australia)08-Oct-19yes8.16on mkt buyAUDORD8,7238,723Limited08-Oct-19yes8.16on mkt buyAUDORD8,7238,723BlackRock Investment Management (Australia)08-Oct-19yes8.16on mkt buyAUDORD3,1463,146BlackRock Advisors, LLC08-Oct-19yes8.16on mkt buyAUDORD12,83912,83912,839BlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD2,9352,935BlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD12,83912,839BlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD12,97212,972Limited08-Oct-19yes8.14on mkt buyAUDORD12,97212,972BlackRock Institutional Trust Company,	BlackRock Investment Management (Australia)	04-Oct-19	yes	8.00	on mkt buy	AUD	ORD	15,792	15,792
BlackRock Advisors (UK) Limited 07-Oct-19 yes 8.15 on mkt buy AUD ORD 656 656 BlackRock Fund Advisors 07-Oct-19 no n'a in specie AUD ORD 3,036 3,035 Limited 08-Oct-19 no n'a in specie AUD ORD 99,883 99,883 Limited 08-Oct-19 yes 8.16 on mkt buy AUD ORD 880 800 BlackRock Institutional Trust Company, National 08-Oct-19 yes 8.16 on mkt buy AUD ORD 8,723 8,723 Limited BlackRock Investment Management (Australia) 08-Oct-19 yes 8.16 on mkt buy AUD ORD 3,146 3,144 BlackRock Institutional Trust Company, National 08-Oct-19 yes 8.16 on mkt buy AUD ORD 2,935 2,935 2,935 2,935 2,935 2,935 2,935 2,935 2,935 2,935 2,935 2,935 2,935 2,935	BlackRock Institutional Trust Company, National	04-Oct-19	yes	8.01	on mkt buy	AUD	ORD	1,002	1,002
BlackRock Fund Advisors07-Oct-19non/ain specieAUDORD3,0363,036BlackRock Investment Management (Australia)08-Oct-19non/ain specieAUDORD99,88399,883BlackRock Investment Management (Australia)08-Oct-19yes8.16on mkt buyAUDORD880880Association08-Oct-19yes8.16on mkt buyAUDORD8,7238,723BlackRock Investment Management (Australia)08-Oct-19yes8.16on mkt buyAUDORD3,1463,146BlackRock Advisors, LLC08-Oct-19yes8.16on mkt buyAUDORD3,1463,146BlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD2,9352,935BlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD2,9352,935BlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD12,97212,972Limited11/1408-Oct-19yes8.16on mkt buyAUDORD12,97212,972Limited11/1408-Oct-19yes8.16on mkt buyAUDORD12,97212,972Limited11/1408-Oct-19yes8.14on mkt buyAUDORD1,6991,699BlackRock Institutional Trust Company, National08		07 Oct 10		0 15	on mit hun		OPD	656	656
BlackRock Investment Management (Australia)08-Oct-19non/ain specieAUDORD99,88399,883LimitedBlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD880880AssociationBlackRock Investment Management (Australia)08-Oct-19yes8.16on mkt buyAUDORD8,7238,723BlackRock Investment Management (Australia)08-Oct-19yes8.16on mkt buyAUDORD3,1463,146BlackRock Advisors, LLC08-Oct-19yes8.16on mkt buyAUDORD3,1463,146BlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD2,9352,935BlackRock Asset Management Canada Limited08-Oct-19yes8.16on mkt buyAUDORD2,9352,935BlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD12,97212,972Limited08-Oct-19yes8.16on mkt buyAUDORD12,97212,972Limited08-Oct-19yes8.16on mkt buyAUDORD1,6991,699Limited08-Oct-19yes8.16on mkt buyAUDORD2,48246Association08-Oct-19yes8.16on mkt buyAUDORD1,6991,692BlackRock Institutional Trust Company,			, ,						
BlackRock Institutional Trust Company, National Association08-Oct-19yes8.16on mkt buyAUDORD880880BlackRock Investment Management (Australia) BlackRock Advisors, LLC08-Oct-19yes8.16on mkt buyAUDORD8,7238,723BlackRock Advisors, LLC08-Oct-19yes8.16on mkt buyAUDORD3,1463,146BlackRock Institutional Trust Company, National Association08-Oct-19yes8.16on mkt buyAUDORD12,83912,839BlackRock Asset Management Canada Limited08-Oct-19yes8.16on mkt buyAUDORD2,9352,935BlackRock Institutional Trust Company, National 									99,883
Association BlackRock Investment Management (Australia) 08-Oct-19 yes 8.16 on mkt buy AUD ORD 8,723 8,723 Limited BlackRock Advisors, LLC 08-Oct-19 yes 8.16 on mkt buy AUD ORD 3,146 3,146 BlackRock Institutional Trust Company, National 08-Oct-19 yes 8.16 on mkt buy AUD ORD 12,839 12,839 BlackRock Asset Management Canada Limited 08-Oct-19 yes 8.16 on mkt buy AUD ORD 2,935 2,935 BlackRock Institutional Trust Company, National 08-Oct-19 yes 8.16 on mkt buy AUD ORD 6,003 6,003 Association 08-Oct-19 yes 8.14 on mkt buy AUD ORD 12,972 12,972 Limited 08-Oct-19 yes 8.14 on mkt buy AUD ORD 1,699 1,699 BlackRock Institutional Trust Company, National 08-Oct-19 yes 8.14 on mkt buy AUD ORD 1,699 1,699 Association BlackRock		08-Oct-19	VAS	8 16	on mkt buv		ORD	880	880
LimitedBlackRock Advisors, LLC08-Oct-19yes8.16on mkt buyAUDORD3,1463,146BlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD12,83912,839BlackRock Asset Management Canada Limited08-Oct-19yes8.16on mkt buyAUDORD2,9352,935BlackRock Institutional Trust Company, National08-Oct-19yes8.16on mkt buyAUDORD6,0036,003BlackRock Investment Management (Australia)08-Oct-19yes8.14on mkt buyAUDORD12,97212,972Imited1208-Oct-19yes8.14on mkt buyAUDORD1,6991,699BlackRock Investment Management (Australia)08-Oct-19yes8.14on mkt buyAUDORD1,6991,699BlackRock Institutional Trust Company, National08-Oct-19yes8.06on mkt buyAUDORD2,7362,736BlackRock Institutional Trust Company, National09-Oct-19yes8.06on mkt buyAUDORD2,7362,736BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (Australia)09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (Australia)09-Oct-19yes8.06on mkt buyAUD	Association		yes						
BlackRock Institutional Trust Company, National Association08-Oct-19yes8.16on mkt buyAUDORD12,83912,83912,839BlackRock Asset Management Canada Limited08-Oct-19yes8.16on mkt buyAUDORD2,9352,935BlackRock Institutional Trust Company, National Association08-Oct-19yes8.16on mkt buyAUDORD6,0036,003BlackRock Institutional Trust Company, National BlackRock Investment Management (Australia)08-Oct-19yes8.14on mkt buyAUDORD12,97212,972Limited1208-Oct-19yes8.14on mkt buyAUDORD1,6991,699BlackRock Institutional Trust Company, National Association08-Oct-19yes8.14on mkt buyAUDORD1,6991,699BlackRock Institutional Trust Company, National Association09-Oct-19yes8.06on mkt buyAUDORD2,7362,736BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (Australia)09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (UK)09-Oct-19yes8.06on mkt buyAUDORD3,8363,836BlackRock Investment Management (UK)09-Oct-19yes8.05on mkt buyAUDORD3,8363,836BlackRock Inv	•	08-Oct-19	yes	8.16	on mkt buy	AUD	ORD	8,723	8,723
AssociationBlackRock Asset Management Canada Limited08-Oct-19yes8.16on mkt buyAUDORD2,9352,935BlackRock Institutional Trust Company, National Association08-Oct-19yes8.16on mkt buyAUDORD6,0036,003BlackRock Investment Management (Australia) Limited08-Oct-19yes8.14on mkt buyAUDORD12,97212,972IzerRock Institutional Trust Company, National Association08-Oct-19yes8.14on mkt buyAUDORD1,6991,699BlackRock Institutional Trust Company, National Association08-Oct-19yes8.14on mkt buyAUDORD2,48248BlackRock Institutional Trust Company, National Association09-Oct-19yes8.06on mkt buyAUDORD2,7362,736BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,9911,991BlackRock Inperturbed BlackRock Investment Management (Australia) Limited09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (Australia) Limited09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (UK)09-Oct-19yes8.05on mkt buyAUDORD3,8363,836Limited09-Oct-19yes8.05on mkt buyAUDORD3,8363,836 <td>BlackRock Advisors, LLC</td> <td>08-Oct-19</td> <td>yes</td> <td>8.16</td> <td>on mkt buy</td> <td>AUD</td> <td>ORD</td> <td>3,146</td> <td>3,146</td>	BlackRock Advisors, LLC	08-Oct-19	yes	8.16	on mkt buy	AUD	ORD	3,146	3,146
BlackRock Asset Management Canada Limited08-Oct-19yes8.16on mkt buyAUDORD2,9352,935BlackRock Institutional Trust Company, National Association08-Oct-19yes8.16on mkt buyAUDORD6,0036,003BlackRock Investment Management (Australia)08-Oct-19yes8.14on mkt buyAUDORD12,97212,972Limited12,97212,97212,97212,97212,97212,97212,972BlackRock Institutional Trust Company, National Association08-Oct-19yes8.14on mkt buyAUDORD1,6991,699BlackRock Institutional Trust Company, National Association09-Oct-19yes8.06on mkt buyAUDORD2,7362,736BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,9911,991BlackRock Investment Management (Australia)09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (Australia)09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (UK)09-Oct-19yes8.05on mkt buyAUDORD3,8363,836Limited1119191919191919191919BlackRock Investment Management (UK)09-Oct-19yes8.05on mkt buyAUDORD3,836 <td< td=""><td></td><td>08-Oct-19</td><td>yes</td><td>8.16</td><td>on mkt buy</td><td>AUD</td><td>ORD</td><td>12,839</td><td>12,839</td></td<>		08-Oct-19	yes	8.16	on mkt buy	AUD	ORD	12,839	12,839
AssociationBlackRock Investment Management (Australia)08-Oct-19yes8.14on mkt buyAUDORD12,97212,972LimitedBlackRock Institutional Trust Company, National08-Oct-19yes8.14on mkt buyAUDORD1,6991,699AssociationBlackRock Institutional Trust Company, National09-Oct-19yes8.06on mkt buyAUDORD248248AssociationBlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD2,7362,736BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,9911,991BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (Australia)09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (UK)09-Oct-19yes8.05on mkt buyAUDORD3,8363,836BlackRock Investment Management (UK)09-Oct-19yes8.05on mkt buyAUDORD3,8363,836		08-Oct-19	yes	8.16	on mkt buy	AUD	ORD	2,935	2,935
BlackRock Investment Management (Australia) Limited08-Oct-19 Nationalyes8.14on mkt buyAUDORD12,97212,972BlackRock Institutional Trust Company, National Association08-Oct-19 Nationalyes8.14on mkt buyAUDORD1,6991,699BlackRock Institutional Trust Company, National Association09-Oct-19 Nethonalyes8.06on mkt buyAUDORD248248Association09-Oct-19 Nethonalyes8.06on mkt buyAUDORD2,7362,736BlackRock Japan Co., Ltd.09-Oct-19 Nethonalyes8.06on mkt buyAUDORD1,9911,991BlackRock Japan Co., Ltd.09-Oct-19 Nethonalyes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (Australia)09-Oct-19 Nethonalyes8.06on mkt buyAUDORD3,8363,836BlackRock Investment Management (UK)09-Oct-19 Nethonalyes8.05on mkt buyAUDORD3,8363,836		08-Oct-19	yes	8.16	on mkt buy	AUD	ORD	6,003	6,003
BlackRock Institutional Trust Company, National Association08-Oct-19 (Passociation)yes8.14on mkt buy (Passociation)AUDORD1,699 (Passociation)1,699 (Passocia	BlackRock Investment Management (Australia)	08-Oct-19	yes	8.14	on mkt buy	AUD	ORD	12,972	12,972
BlackRock Institutional Trust Company, National Association09-Oct-19yes8.06on mkt buyAUDORD248248BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD2,7362,736BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,9911,991BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (Australia)09-Oct-19yes8.06on mkt buyAUDORD34,15434,154LimitedUUU09-Oct-19yes8.05on mkt buyAUDORD3,8363,836LimitedUU09-Oct-19yes8.05on mkt buyAUDORD3,8363,836	BlackRock Institutional Trust Company, National	08-Oct-19	yes	8.14	on mkt buy	AUD	ORD	1,699	1,699
BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD2,7362,736BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,9911,991BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (Australia)09-Oct-19yes8.06on mkt buyAUDORD34,15434,154BlackRock Investment Management (UK)09-Oct-19yes8.05on mkt buyAUDORD3,8363,836Limited11111111111BlackRock Investment Management (UK)09-Oct-19yes8.05on mkt buyAUDORD3,8363,836Limited11111111111BlackRock Investment Management (UK)09-Oct-19yes8.05on mkt buyAUDORD3,8363,836	BlackRock Institutional Trust Company, National	09-Oct-19	yes	8.06	on mkt buy	AUD	ORD	248	248
BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,9911,991BlackRock Japan Co., Ltd.09-Oct-19yes8.06on mkt buyAUDORD1,8241,824BlackRock Investment Management (Australia)09-Oct-19yes8.06on mkt buyAUDORD34,15434,154LimitedBlackRock Investment Management (UK)09-Oct-19yes8.05on mkt buyAUDORD3,8363,836LimitedJimitedJimitedJimitedJimitedJimitedJimitedJimitedJimitedJimitedJimitedJimitedJimited		00 Oct 10	1/00	0.00	on mit h			0 700	0 700
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BlackRock Investment Management (UK) 09-Oct-19 yes 8.05 on mkt buy AUD ORD 3,836 3,836 Limited	BlackRock Investment Management (Australia)		•						34,154
	BlackRock Investment Management (UK)	09-Oct-19	yes	8.05	on mkt buy	AUD	ORD	3,836	3,836
	Limited BlackRock Institutional Trust Company, National	10-Oct-19	yes	8.02	on mkt buy	AUD	ORD	202	202

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Holder of Relevant Interest	on a prescribe		Cash	Non-cash	CCY		s affected	votes affected
BlackRock Investment Management (Australia)	10-Oct-19	yes	8.02	on mkt buy	AUD	ORD	11,538	11,538
Limited BlackRock Institutional Trust Company, National Association	10-Oct-19	yes	8.03	on mkt buy	AUD	ORD	1,478	1,478
BlackRock Fund Advisors	11-Oct-19	no	n/a	in specie	AUD	ORD	2,760	2,760
BlackRock Fund Advisors	11-Oct-19	no	n/a	in specie	AUD	ORD	2,760	2,760
BlackRock Fund Advisors	11-Oct-19	no	n/a	in specie	AUD	ORD	5,520	5,520
BlackRock Fund Advisors	14-Oct-19	no	n/a	in specie	AUD	ORD	13,056	13,056
BlackRock Fund Advisors	15-Oct-19	no	n/a	in specie	AUD	ORD	656	656
BlackRock Advisors (UK) Limited	15-Oct-19	yes	8.06	on mkt buy	AUD	ORD	656	656
BlackRock Japan Co., Ltd.	16-Oct-19	yes	8.20	on mkt buy	AUD	ORD	3,568	3,568
BlackRock Investment Management, LLC	16-Oct-19	yes	8.19	on mkt buy	AUD	ORD	2,294	2,294
BlackRock Investment Management (Australia) Limited	16-Oct-19	yes	8.20	on mkt buy	AUD	ORD	7,467	7,467
BlackRock Investment Management (UK) _imited	16-Oct-19	yes	8.24	on mkt buy	AUD	ORD	1,169	1,169
BlackRock Advisors (UK) Limited	17-Oct-19	yes	8.22	on mkt buy	AUD	ORD	2,851	2,851
BlackRock Advisors (UK) Limited	17-Oct-19	yes	8.22	on mkt buy	AUD	ORD	4,517	4,517
BlackRock Advisors (UK) Limited	17-Oct-19	yes	8.22	on mkt buy	AUD	ORD	3,739	3,739
BlackRock Investment Management (Australia) Limited	17-Oct-19	yes	8.19	on mkt buy	AUD	ORD	1,689	1,689
BlackRock Investment Management (UK) Limited	18-Oct-19	yes	8.13	on mkt buy	AUD	ORD	1,650	1,650
BlackRock Investment Management (UK) Limited	18-Oct-19	yes	8.13	on mkt buy	AUD	ORD	2,516	2,516
BlackRock Investment Management (Australia) Limited	18-Oct-19	yes	8.07	on mkt buy	AUD	ORD	2,815	2,815
BlackRock Institutional Trust Company, National Association	22-Oct-19	yes	8.24	on mkt buy	AUD	ORD	3,649	3,649
BlackRock Asset Management Canada Limited	22-Oct-19	yes	8.24	on mkt buy	AUD	ORD	2,770	2,770
BLACKROCK FINANCIAL MANAGEMENT, INC.	22-Oct-19	yes	8.24	on mkt buy	AUD	ORD	2,939	2,939
BlackRock Institutional Trust Company, National Association	23-Oct-19	yes	8.10	on mkt buy	AUD	ORD	199	199
BlackRock Investment Management (Australia)	23-Oct-19	yes	8.07	on mkt buy	AUD	ORD	8,334	8,334
BlackRock Investment Management (Australia) Limited	23-Oct-19	yes	8.07	on mkt buy	AUD	ORD	17,854	17,854
BlackRock Investment Management (Australia)	23-Oct-19	yes	8.09	on mkt buy	AUD	ORD	20,301	20,301
BlackRock Institutional Trust Company, National Association	24-Oct-19	yes	8.07	on mkt buy	AUD	ORD	4,406	4,406
BlackRock Investment Management (Australia) Limited	24-Oct-19	yes	8.07	on mkt buy	AUD	ORD	7,954	7,954
BlackRock Institutional Trust Company, National Association	25-Oct-19	yes	8.12	on mkt buy	AUD	ORD	2,041	2,041
BlackRock Institutional Trust Company, National Association	25-Oct-19	yes	8.12	on mkt buy	AUD	ORD	1,411	1,411
BlackRock Institutional Trust Company, National Association	25-Oct-19	yes	8.12	on mkt buy	AUD	ORD	3,230	3,230
BlackRock Advisors, LLC	25-Oct-19	yes	8.12	on mkt buy	AUD	ORD	3,370	3,370
BlackRock Institutional Trust Company, National	25-Oct-19	yes	8.12	on mkt buy	AUD	ORD	13,586	13,586
Association	_0 000 10	,00	0.12	en mit buy			.0,000	10,000
BlackRock Investment Management, LLC	25-Oct-19	yes	8.12	on mkt buy	AUD	ORD	2,029	2,029
BlackRock Institutional Trust Company, National	25-Oct-19	yes	8.12		AUD	ORD	5,654	5,654
Association				· · · · · ·			-,	-,
BlackRock Fund Advisors	28-Oct-19	no	n/a	in specie	AUD	ORD	656	656
BlackRock Institutional Trust Company, National Association	28-Oct-19	yes	8.13	on mkt buy	AUD	ORD	3,191	3,191
BlackRock Fund Advisors	29-Oct-19	no	n/a	in specie	AUD	ORD	329	329
BlackRock Institutional Trust Company, National Association	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	775	775
BlackRock Institutional Trust Company, National Association	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	3,671	3,671
BlackRock Institutional Trust Company, National Association	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	2,826	2,826
BlackRock Institutional Trust Company, National Association	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	2,018	2,018
BlackRock Investment Management (Australia)	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	1,894	1,894
BlackRock Advisors, LLC	29-Oct-19	yes	8 16	on mkt buy	AUD	ORD	5,986	5,986
		,						
BlackRock Asset Management Canada Limited	29-Oct-19	yes	8.10	on mkt buy	AUD	ORD	2,950	2,950

	Date of Acquisi	tion / Trans	Consi	deration		Class and	d number of	Person's
Holder of Relevant Interest	on a prescribe		Cash	Non-cash	CCY		es affected	votes affected
BLACKROCK FINANCIAL MANAGEMENT, INC.	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	5,781	5,781
BlackRock Investment Management, LLC	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	2,050	2,050
BlackRock International Limited	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	6,357	6,357
BlackRock Investment Management, LLC	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	1,928	1,928
BLACKROCK FINANCIAL MANAGEMENT, INC.	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	4,975	4,975
BlackRock Institutional Trust Company, National Association	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	18,852	18,852
BlackRock Institutional Trust Company, National Association	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	3,376	3,376
BlackRock Advisors (UK) Limited	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	5,781	5,781
BlackRock Advisors (UK) Limited	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	4,495	4,495
BlackRock Asset Management Canada Limited	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	2,999	2,999
BlackRock Institutional Trust Company, National Association	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	7,236	7,236
BlackRock Institutional Trust Company, National Association	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	11,532	11,532
BlackRock Investment Management (Australia) Limited	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	3,378	3,378
BlackRock Investment Management (Australia) Limited	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	262	262
BlackRock Investment Management (Australia) Limited	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	10,055	10,055
BlackRock Investment Management (Australia) Limited	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	478	478
BlackRock Investment Management (Australia)	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	4,524	4,524
Limited BlackRock Investment Management (Australia)	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	173,710	173,710
Limited BlackRock Investment Management (Australia)	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	8,262	8,262
Limited BlackRock Investment Management (Australia)	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	6,065	6,065
Limited BlackRock Investment Management (Australia)	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	232,860	232,860
Limited BlackRock Investment Management (Australia)	29-Oct-19	yes	8.16	on mkt buy	AUD	ORD	11,075	11,075
Limited BlackRock Institutional Trust Company, National	30-Oct-19	yes	8.16	on mkt buy	AUD	ORD	812	812
Association BlackRock Institutional Trust Company, National	30-Oct-19	yes	8.16	on mkt buy	AUD	ORD	4,140	4,140
Association BlackRock Investment Management (UK)	30-Oct-19	yes	8.16	on mkt buy	AUD	ORD	2,170	2,170
Limited BlackRock Institutional Trust Company, National	30-Oct-19	yes	8.16	on mkt buy	AUD	ORD	2,197	2,197
Association BlackRock Institutional Trust Company, National	30-Oct-19	yes	8.16	on mkt buy	AUD	ORD	753	753
Association								
BlackRock Japan Co., Ltd.	30-Oct-19	yes	8.16	on mkt buy	AUD	ORD	5,087	5,087
BlackRock Japan Co., Ltd.	30-Oct-19	yes	8.16	on mkt buy	AUD	ORD	2,347	2,347
BlackRock Japan Co., Ltd. BlackRock Investment Management (UK)	30-Oct-19 30-Oct-19	yes yes	8.16 8.16	on mkt buy on mkt buy	AUD AUD	ORD ORD	2,755 2,767	2,755 2,767
Limited BLACKROCK FINANCIAL MANAGEMENT, INC.	30-Oct-19	yes	8.16	on mkt buy	AUD	ORD	2,685	2,685
BlackRock Investment Management, LLC BlackRock Institutional Trust Company, National	30-Oct-19 30-Oct-19	yes yes	8.16 8.16	on mkt buy on mkt buy	AUD AUD	ORD ORD	2,784 1,786	2,784 1,786
Association BlackRock Investment Management (Australia)	30-Oct-19	yes	8.15	on mkt buy	AUD	ORD	30	30
Limited BlackRock Investment Management (Australia)	30-Oct-19	yes	8.15	on mkt buy	AUD	ORD	1,152	1,152
Limited BlackRock Investment Management (Australia)	30-Oct-19	yes	8.15	on mkt buy	AUD	ORD	55	55
Limited BlackRock Investment Management (Australia)	30-Oct-19	yes	8.16	on mkt buy	AUD	ORD	14,650	14,650
Limited BlackRock Investment Management (Australia)	30-Oct-19	yes	8.13	on mkt buy	AUD	ORD	29,127	29,127
Limited BlackRock Investment Management (Australia)	30-Oct-19	yes	8.13	on mkt buy	AUD	ORD	1,118,215	1,118,215
Limited BlackRock Investment Management (Australia)	30-Oct-19	yes		on mkt buy	AUD	ORD	53,179	53,179
Limited BlackRock Investment Management (Australia)	30-Oct-19	yes		on mkt buy	AUD	ORD	20,513	20,513
Limited		,	0.10				_0,010	_0,010

	Date of Acquisi	tion / Trans	Consi	ideration		Class and	I number of	Person's
Holder of Relevant Interest	on a prescribe		Cash	Non-cash	CCY		es affected	votes affected
BlackRock Investment Management (Australia) Limited	30-Oct-19	yes	8.15	on mkt buy	AUD	ORD	787,474	787,474
BlackRock Investment Management (Australia) Limited	30-Oct-19	yes	8.15	on mkt buy	AUD	ORD	37,452	37,452
BlackRock Investment Management (UK)	30-Oct-19	yes	8.19	on mkt buy	AUD	ORD	2,800	2,800
BlackRock Fund Advisors	31-Oct-19	no	n/a	in specie	AUD	ORD	1,980	1,980
BlackRock Institutional Trust Company, National Association	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	732	732
BlackRock Institutional Trust Company, National Association	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	5,017	5,017
BlackRock Institutional Trust Company, National Association	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	2,053	2,053
BlackRock Investment Management (Australia) Limited	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	1,563	1,563
BlackRock Advisors, LLC	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	6,408	6,408
BlackRock Advisors, LLC	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	2,709	2,709
BlackRock Institutional Trust Company, National Association	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	2,011	2,011
BlackRock Institutional Trust Company, National Association	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	28,229	28,229
BlackRock Institutional Trust Company, National Association	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	3,801	3,801
BlackRock Advisors (UK) Limited	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	4,516	4,516
BlackRock Advisors (UK) Limited	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	3,533	3,533
BLACKROCK FINANCIAL MANAGEMENT, INC.	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	1,785	1,785
BlackRock Asset Management Canada Limited	31-Oct-19	yes	8.10	on mkt buy	AUD	ORD	4,536	4,536
BlackRock Institutional Trust Company, National	31-Oct-19	yes	8.10	-	AUD	ORD	9,961	9,961
Association BlackRock Institutional Trust Company, National	31-Oct-19	yes	8.07		AUD	ORD	34,122	34,122
Association		•		-				
BlackRock Advisors (UK) Limited	31-Oct-19	yes	8.07	· · · · ,	AUD	ORD	656	656
BlackRock Fund Advisors	01-Nov-19	no	n/a	in specie	AUD	ORD	999	999
BlackRock Institutional Trust Company, National Association	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	1,956	1,956
BlackRock Institutional Trust Company, National Association	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	5,991	5,991
BlackRock Institutional Trust Company, National Association	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	5,667	5,667
BlackRock Institutional Trust Company, National Association	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	2,314	2,314
BlackRock Advisors (UK) Limited	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	2,698	2,698
BlackRock Advisors, LLC	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	8,328	8,328
BlackRock International Limited	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	8,557	8,557
BlackRock Institutional Trust Company, National	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	1,950	1,950
Association BLACKROCK FINANCIAL MANAGEMENT, INC.	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	4,601	4,601
BlackRock Institutional Trust Company, National	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	33,007	33,007
Association BlackRock Institutional Trust Company, National	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	4,628	4,628
Association								
BlackRock Advisors (UK) Limited	01-Nov-19	yes	8.14	on mkt buy	AUD	ORD	6,939	6,939
BlackRock Advisors (UK) Limited BLACKROCK FINANCIAL MANAGEMENT, INC.	01-Nov-19 01-Nov-19	yes yes	<u>8.14</u> 8.14	on mkt buy on mkt buy	AUD AUD	ORD ORD	5,349 1,799	5,349 1,799
BlackRock Asset Management Canada Limited	01-Nov-19		8.14		AUD	ORD	6,193	6,193
		yes		-	AUD	ORD		14,268
BlackRock Institutional Trust Company, National Association	01-Nov-19	yes	8.14				14,268	
BlackRock Institutional Trust Company, National Association	01-Nov-19	yes	8.14		AUD	ORD	12,794	12,794
BlackRock Fund Advisors	01-Nov-19	no	n/a	in specie	AUD	ORD	2,000	2,000
BlackRock Fund Advisors BlackRock Institutional Trust Company, National	01-Nov-19 04-Nov-19	no yes	n/a 8.24	in specie on mkt buy	AUD AUD	ORD ORD	12,415 2,438	12,415 2,438
Association BlackRock Institutional Trust Company, National	04-Nov-19	yes	8.24	on mkt buy	AUD	ORD	4,218	4,218
Association BlackRock Investment Management (Australia)	04-Nov-19	yes	8.19	on mkt buy	AUD	ORD	3,378	3,378
Limited						000	4 070	4 070
BlackRock Advisors, LLC BLACKROCK FINANCIAL MANAGEMENT, INC.	05-Nov-19 05-Nov-19	yes	8.24	on mkt buy	AUD AUD	ORD ORD	1,670 2,782	1,670 2,782
		yes		,				
BlackRock International Limited	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	8,678	8,678

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Holder of Relevant Interest	on a prescribe		Cash	Non-cash	ССҮ	securities		votes affected
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	6,001	6,001
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	2,609	2,609
BlackRock Asset Management Canada Limited	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	1,813	1,813
BlackRock Institutional Trust Company, National	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	3,470	3,470
Association BlackRock Institutional Trust Company, National	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	2,314	2,314
Association BlackRock Institutional Trust Company, National	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	2,414	2,414
Association BlackRock Institutional Trust Company, National	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	6,138	6,138
Association BLACKROCK FINANCIAL MANAGEMENT, INC.	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	1,156	1,156
BLACKROCK FINANCIAL MANAGEMENT, INC.	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	1,190	1,190
BlackRock Institutional Trust Company, National	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	1,106	1,106
Association BlackRock Advisors (UK) Limited	05-Nov-19	Vec	8.24	on mkt buy	AUD	ORD	1,525	1,525
BlackRock Advisors (UK) Limited	05-Nov-19	yes yes	8.24	on mkt buy	AUD	ORD	1,525	1,525
BlackRock Institutional Trust Company, National	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	1,575	1,575
Association BlackRock Institutional Trust Company, National	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	830	830
Association BLACKROCK FINANCIAL MANAGEMENT, INC.	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	678	678
BlackRock Advisors (UK) Limited	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	606	606
BlackRock Investment Management (Australia) Limited	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	568	568
BlackRock Advisors, LLC	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	604	604
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	650	650
BlackRock Investment Management, LLC	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	468	468
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	2,379	2,379
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	3,647	3,647
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	2,996	2,996
BlackRock Advisors (UK) Limited	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	2,184	2,184
BlackRock Investment Management (Australia) Limited	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	1,669	1,669
BlackRock Advisors, LLC	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	6,035	6,035
BlackRock Advisors, LLC	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	2,181	2,181
BLACKROCK FINANCIAL MANAGEMENT, INC.	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	10,050	10,050
BLACKROCK FINANCIAL MANAGEMENT, INC.	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	4,171	4,171
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	2,344	2,344
BlackRock Investment Management, LLC	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	1,688	1,688
BLACKROCK FINANCIAL MANAGEMENT, INC.	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	4,302	4,302
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	21,679	21,679
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	3,992	3,992
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	9,424	9,424
BlackRock Advisors (UK) Limited	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	5,510	5,510
BlackRock Advisors (UK) Limited	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	4,291	4,291
BLACKROCK FINANCIAL MANAGEMENT, INC.	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	2,447	2,447
BlackRock Asset Management Canada Limited	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	6,548	6,548
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	12,537	12,537
BlackRock Institutional Trust Company, National Association	05-Nov-19	yes	8.23	on mkt buy	AUD	ORD	8,360	8,360
BlackRock Investment Management (Australia) Limited	05-Nov-19	yes	8.24	on mkt buy	AUD	ORD	4,504	4,504
	06-Nov-19			on mkt buy	AUD	ORD	6,100	6,100

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BlackRock Investment Management (Australia) Limited	06-Nov-19	yes	8.24	on mkt buy	AUD	ORD	9,740	9,740
BlackRock Institutional Trust Company, National Association	06-Nov-19	yes	8.24	on mkt buy	AUD	ORD	6,309	6,309
BlackRock Investment Management, LLC	06-Nov-19	yes	8.23	on mkt buy	AUD	ORD	4,720	4,720
BlackRock Institutional Trust Company, National Association	06-Nov-19	yes	8.23	on mkt buy	AUD	ORD	1,959	1,959
BlackRock Japan Co., Ltd.	06-Nov-19	yes	8.23	on mkt buy	AUD	ORD	6,255	6,255
BlackRock Japan Co., Ltd.	06-Nov-19	yes	8.23	on mkt buy	AUD	ORD	7,220	7,220
BlackRock Japan Co., Ltd. BlackRock Japan Co., Ltd.	06-Nov-19 06-Nov-19	yes	8.23 8.23	on mkt buy on mkt buy	AUD AUD	ORD ORD	3,786 3,074	3,786 3,074
BlackRock Investment Management (UK)	06-Nov-19	yes yes	8.23	on mkt buy	AUD	ORD	4,750	4,750
Limited BlackRock Advisors (UK) Limited	06-Nov-19	yes	8.23	on mkt buy	AUD	ORD	19,510	19,510
BlackRock Investment Management, LLC	06-Nov-19	yes	8.23	on mkt buy	AUD	ORD	4,693	4,69
BlackRock Investment Management, LLC	06-Nov-19	yes	8.23	on mkt buy	AUD	ORD	2,907	2,907
BlackRock Institutional Trust Company, National Association	06-Nov-19	yes	8.23	on mkt buy	AUD	ORD	1,805	1,805
BlackRock Investment Management (UK) Limited	06-Nov-19	yes	8.23	on mkt buy	AUD	ORD	1,760	1,760
BlackRock Advisors (UK) Limited	06-Nov-19	yes	8.23	on mkt buy	AUD	ORD	1,760	1,760
BlackRock Japan Co., Ltd.	06-Nov-19	yes	8.24	on mkt buy	AUD	ORD	16,761	16,761
BLACKROCK FINANCIAL MANAGEMENT, INC.	06-Nov-19	yes	8.24	on mkt buy	AUD	ORD	1,760	1,760
BlackRock Fund Advisors	07-Nov-19	no	n/a	in specie	AUD	ORD	6,555	6,555
BlackRock Fund Advisors	07-Nov-19	no	n/a	in specie	AUD	ORD	10,000	10,000
BlackRock Institutional Trust Company, National Association		yes	8.19	on mkt buy	AUD	ORD	3,781	3,781
BlackRock Institutional Trust Company, National Association		yes	8.19	on mkt buy	AUD	ORD	5,216	5,216
BlackRock Institutional Trust Company, National Association	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	6,196	6,190
BlackRock Institutional Trust Company, National Association	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	4,706	4,706
BlackRock Advisors (UK) Limited	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	4,080	4,080
BlackRock Investment Management (Australia) Limited	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	3,506	3,506
BlackRock Advisors, LLC	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	11,801	11,80 <i>1</i>
BlackRock Advisors, LLC	07-Nov-19 07-Nov-19	yes	<u>8.19</u> 8.19	on mkt buy	AUD AUD	ORD ORD	2,820	2,820
BlackRock Asset Management Canada Limited		yes		on mkt buy			2,275	2,27
BlackRock Investment Management (UK) Limited	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	1,361	1,361
BLACKROCK FINANCIAL MANAGEMENT, INC.		yes	8.19	on mkt buy	AUD	ORD	18,340	18,340
BLACKROCK FINANCIAL MANAGEMENT, INC.	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	7,276	7,276
BlackRock Investment Management, LLC	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	1,501	1,501
BlackRock International Limited	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	8,785	8,785
BlackRock Institutional Trust Company, National Association		yes	8.19	on mkt buy	AUD	ORD	69,557	69,557
BlackRock Institutional Trust Company, National Association		yes	8.19	on mkt buy	AUD	ORD	2,273	2,273
BlackRock Investment Management, LLC	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	6,596	6,596
BLACKROCK FINANCIAL MANAGEMENT, INC.	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	4,080	4,080
BlackRock Advisors, LLC	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	2,489	2,489
	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	36,358	36,358
Association					AUD	ORD	E 0.07	5,837
Association BlackRock Institutional Trust Company, National	07-Nov-19	yes	8.19	on mkt buy	AUD	OND	5,837	5,007
Association BlackRock Institutional Trust Company, National Association BlackRock Institutional Trust Company, National		yes yes	8.19 8.19	on mkt buy on mkt buy	AUD	ORD	16,061	
Association BlackRock Institutional Trust Company, National Association BlackRock Institutional Trust Company, National Association BlackRock Advisors (UK) Limited	07-Nov-19 07-Nov-19	-		on mkt buy on mkt buy		ORD	16,061 9,888	16,061
Association BlackRock Institutional Trust Company, National Association BlackRock Institutional Trust Company, National Association BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited	07-Nov-19 07-Nov-19 07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	16,061	16,061 9,888 7,799
Association BlackRock Institutional Trust Company, National Association BlackRock Institutional Trust Company, National Association BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited BLACKROCK FINANCIAL MANAGEMENT, INC.	07-Nov-19 07-Nov-19 07-Nov-19	yes yes yes yes	8.19 8.19 8.19	on mkt buy on mkt buy on mkt buy	AUD AUD AUD	ORD ORD ORD	16,061 9,888 7,799	16,061 9,888 7,799 3,635
Association BlackRock Institutional Trust Company, National Association BlackRock Institutional Trust Company, National Association BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited BLACKROCK FINANCIAL MANAGEMENT, INC. BlackRock Investment Management (UK) Limited	07-Nov-19 07-Nov-19 07-Nov-19 07-Nov-19 07-Nov-19	yes yes yes yes yes	8.19 8.19 8.19 8.19 8.19 8.19	on mkt buy on mkt buy on mkt buy on mkt buy on mkt buy	AUD AUD AUD AUD	ORD ORD ORD ORD ORD	16,061 9,888 7,799 3,635 3,360	16,061 9,888 7,799 3,635 3,360
Association BlackRock Institutional Trust Company, National Association BlackRock Institutional Trust Company, National Association BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited BLACKROCK FINANCIAL MANAGEMENT, INC. BlackRock Investment Management (UK) Limited BlackRock Asset Management Canada Limited	07-Nov-19 07-Nov-19 07-Nov-19 07-Nov-19 07-Nov-19 07-Nov-19	yes yes yes yes yes yes	8.19 8.19 8.19 8.19 8.19 8.19 8.19	on mkt buy on mkt buy on mkt buy on mkt buy on mkt buy	AUD AUD AUD AUD AUD	ORD ORD ORD ORD ORD ORD	16,061 9,888 7,799 3,635 3,360 2,120	16,061 9,888 7,799 3,635 3,360 2,120
BlackRock Institutional Trust Company, National Association BlackRock Institutional Trust Company, National Association BlackRock Institutional Trust Company, National Association BlackRock Advisors (UK) Limited BlackRock Advisors (UK) Limited BLACKROCK FINANCIAL MANAGEMENT, INC. BlackRock Investment Management (UK) Limited BlackRock Asset Management Canada Limited BlackRock Asset Management Canada Limited BLACKROCK FINANCIAL MANAGEMENT, INC.	07-Nov-19 07-Nov-19 07-Nov-19 07-Nov-19 07-Nov-19 07-Nov-19 07-Nov-19	yes yes yes yes yes	8.19 8.19 8.19 8.19 8.19 8.19 8.19 8.19	on mkt buy on mkt buy on mkt buy on mkt buy on mkt buy	AUD AUD AUD AUD	ORD ORD ORD ORD ORD	16,061 9,888 7,799 3,635 3,360	16,061 9,888 7,799 3,635 3,360

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BlackRock Institutional Trust Company, National Association	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	18,139	18,13	
BlackRock Institutional Trust Company, National Association	07-Nov-19	yes	8.19	on mkt buy	AUD	ORD	12,795	12,79	
BlackRock Fund Advisors	08-Nov-19	no	n/a	in specie	AUD	ORD	3,176	3,17	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	2,138	2,13	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	2,889	2,88	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	738	73	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,706	1,70	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,556	1,550	
BlackRock Advisors (UK) Limited	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,522	1,52	
BlackRock Advisors, LLC	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	4,637	4,63	
BlackRock Advisors, LLC	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,226	1,22	
BlackRock Asset Management Canada Limited	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	942	942	
BLACKROCK FINANCIAL MANAGEMENT, INC.	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	4,615	4,61	
BLACKROCK FINANCIAL MANAGEMENT, INC.	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,839	1,83	
		yee	0.22	on mild buy	100	OND	1,000	1,00	
BlackRock Investment Management, LLC	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	525	52	
BlackRock International Limited	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	3,139	3,13	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	7,303	7,303	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	697	69	
BlackRock Investment Management, LLC	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	3,252	3,25	
BLACKROCK FINANCIAL MANAGEMENT, INC.	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,751	1,75	
BlackRock Advisors, LLC	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	904	904	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes		on mkt buy	AUD	ORD	14,447	14,44	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	2,341	2,34	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	4,159	4,159	
BlackRock Advisors (UK) Limited	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	3,419	3,41	
BlackRock Advisors (UK) Limited	08-Nov-19	yes		on mkt buy	AUD	ORD	2,775	2,77	
BLACKROCK FINANCIAL MANAGEMENT, INC.	08-Nov-19	yes		on mkt buy	AUD	ORD	1,201	1,20	
BlackRock Asset Management Canada Limited	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	833	833	
BlackRock Asset Management Canada Limited	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	3,815	3,81	
BLACKROCK FINANCIAL MANAGEMENT, INC.	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	894	894	
BlackRock Institutional Trust Company, National Association	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	7,208	7,208	
BlackRock Institutional Trust Company, National	08-Nov-19	yes	8.22	on mkt buy	AUD	ORD	5,336	5,330	
Association BLACKROCK FINANCIAL MANAGEMENT, INC.	08-Nov-19	yes	8.24	on mkt buy	AUD	ORD	2,647	2,64	
BlackRock Fund Advisors	08-Nov-19	no	n/a	in specie	AUD	ORD	7,940	7,94	
BlackRock Fund Advisors	11-Nov-19	no	n/a	in specie	AUD	ORD	13,530	13,53	
BlackRock Institutional Trust Company, National Association	11-Nov-19	yes	8.17	on mkt buy	AUD	ORD	7,581	7,58	
BlackRock Institutional Trust Company, National Association	11-Nov-19	yes	8.17	on mkt buy	AUD	ORD	11,884	11,884	
BlackRock Investment Management (Australia) Limited	11-Nov-19	yes	8.19	on mkt buy	AUD	ORD	1,126	1,120	
BlackRock Fund Advisors	12-Nov-19	no	n/a	in specie	AUD	ORD	14,364	14,364	
BlackRock Institutional Trust Company, National Association	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	6,489	6,48	
BlackRock Institutional Trust Company, National Association	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	9,493	9,493	
BlackRock Institutional Trust Company, National	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	2,125	2,12	
Association BLACKROCK FINANCIAL MANAGEMENT, INC.	12-Nov-19	yes	8.19	on mkt buy	AUD	ORD	2,674	2,674	
	12-Nov-19			on mkt buy	AUD	ORD	5,518	5,51	

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BlackRock Institutional Trust Company, National Association	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	4,034	4,03
BlackRock Advisors (UK) Limited	12-Nov-19	ves	8.20	on mkt buy	AUD	ORD	4,394	4,39
BlackRock Investment Management (Australia)	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	8,388	8,38
BlackRock Advisors, LLC	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	22,862	22,86
BlackRock Advisors, LLC	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	4,216	4,21
BlackRock Asset Management Canada Limited	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	2,538	2,53
BLACKROCK FINANCIAL MANAGEMENT, INC.	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	15,684	15,68
BLACKROCK FINANCIAL MANAGEMENT, INC.	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	6,188	6,18
BlackRock Investment Management, LLC	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	1,427	1,42
BlackRock International Limited	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	10,950	10,95
BlackRock Institutional Trust Company, National Association	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	30,668	30,66
BlackRock Institutional Trust Company, National Association	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	2,813	2,81
BlackRock Investment Management, LLC	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	9,564	9,56
BLACKROCK FINANCIAL MANAGEMENT, INC.	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	5,131	5,13
BlackRock Advisors, LLC	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	4,391	4,39
BlackRock Institutional Trust Company, National	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	73,166	73,16
Association BlackRock Institutional Trust Company, National Association	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	12,973	12,97
BlackRock Institutional Trust Company, National Association	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	13,459	13,45
BlackRock Advisors (UK) Limited	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	9,561	9,56
BlackRock Advisors (UK) Limited	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	7,599	7,59
BLACKROCK FINANCIAL MANAGEMENT, INC.	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	3,115	3,11
BlackRock Asset Management Canada Limited	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	3,932	3,93
BlackRock Asset Management Canada Limited	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	20,297	20,29
BLACKROCK FINANCIAL MANAGEMENT, INC.	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	2,859	2,85
BlackRock Institutional Trust Company, National Association	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	38,795	38,79
BlackRock Institutional Trust Company, National Association	12-Nov-19	yes	8.20	on mkt buy	AUD	ORD	24,039	24,03
BlackRock Investment Management (Australia) Limited	12-Nov-19	yes	8.19	on mkt buy	AUD	ORD	13,161	13,16
BlackRock Investment Management (Australia) Limited	12-Nov-19	yes	8.19	on mkt buy	AUD	ORD	483,894	483,89
BlackRock Investment Management (Australia) Limited	12-Nov-19	yes	8.19	on mkt buy	AUD	ORD	27,251	27,25
BlackRock Institutional Trust Company, National Association	13-Nov-19	yes	8.24	on mkt buy	AUD	ORD	10,412	10,41
BlackRock Institutional Trust Company, National Association	13-Nov-19	yes	8.24	on mkt buy	AUD	ORD	15,559	15,55
BlackRock Investment Management, LLC	13-Nov-19	yes	8.24	on mkt buy	AUD	ORD	6,707	6,70
BlackRock Investment Management (UK) Limited	13-Nov-19	yes	8.24	on mkt buy	AUD	ORD	2,340	2,34
BlackRock Institutional Trust Company, National Association	13-Nov-19	yes	8.24	on mkt buy	AUD	ORD	2,682	2,68
Association BlackRock Institutional Trust Company, National Association	13-Nov-19	yes	8.24	on mkt buy	AUD	ORD	3,149	3,14
BlackRock Advisors (UK) Limited	13-Nov-19	yes	8.24	on mkt buy	AUD	ORD	1,680	1,68
BlackRock Japan Co., Ltd.	13-Nov-19	yes	8.23	on mkt buy	AUD	ORD	32,473	32,47
BlackRock Japan Co., Ltd.	13-Nov-19	yes	8.24	on mkt buy	AUD	ORD	9,782	9,78
BlackRock Japan Co., Ltd.	13-Nov-19	yes	8.24	on mkt buy	AUD	ORD	11,293	11,29
BlackRock Japan Co., Ltd. BlackRock Japan Co., Ltd.	13-Nov-19 13-Nov-19	yes	8.24 8.24	on mkt buy on mkt buy	AUD AUD	ORD ORD	7,239 5,876	7,23
BlackRock Japan Co., Ltd. BlackRock Investment Management, LLC	13-Nov-19 13-Nov-19	yes yes	8.24	on mkt buy on mkt buy	AUD	ORD	5,876	<u> </u>
BlackRock Investment Management, LLC BlackRock Investment Management (UK)	13-Nov-19	yes yes	8.24	on mkt buy	AUD	ORD	10,059	10,05
Limited BLACKROCK FINANCIAL MANAGEMENT, INC.	13-Nov-19	yes	8.23	on mkt buy	AUD	ORD	3,191	3,19
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BlackRock Advisors (UK) Limited BlackRock Investment Management, LLC	13-Nov-19 13-Nov-19	yes		on mkt buy		ORD	15,241	15,24 8,11
Diagon took investment wanagement, LLO		yes	8.24		AUD	ORD	8,118	
BlackRock Investment Management, LLC	13-Nov-19	yes	8.24	on mkt buy	AUD	ORD	2,345	2,34

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BlackRock Investment Management (Australia) Limited	13-Nov-19	yes	8.25	on mkt buy	AUD	ORD	23,011	23,011	
BlackRock Investment Management (Australia) Limited	13-Nov-19	yes	8.25	on mkt buy	AUD	ORD	38,378	38,378	
BlackRock Investment Management (Australia) Limited	13-Nov-19	yes	8.25	on mkt buy	AUD	ORD	13,880	13,880	
BlackRock Investment Management (Australia)	13-Nov-19	yes	8.25	on mkt buy	AUD	ORD	14,082	14,082	
Limited BlackRock Investment Management (UK)	13-Nov-19	yes	8.22	on mkt buy	AUD	ORD	956	956	
Limited									
BlackRock Advisors (UK) Limited	13-Nov-19	yes	8.21	on mkt buy	AUD	ORD	656	656	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	11,320	11,320	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	15,770	15,770	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	3,225	3,225	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	10,769	10,769	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	5,651	5,651	
BlackRock Investment Management (Australia) Limited	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	38,080	38,080	
BlackRock Advisors, LLC	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	35,271	35,271	
BlackRock Advisors, LLC	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	8,226	8,226	
BlackRock Asset Management Canada Limited	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	3,490	3,490	
BLACKROCK FINANCIAL MANAGEMENT, INC.	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	22,246	22,246	
BLACKROCK FINANCIAL MANAGEMENT, INC.	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	8,970	8,970	
BlackRock International Limited BlackRock Institutional Trust Company, National Association	14-Nov-19 14-Nov-19	yes yes	8.25 8.25	on mkt buy on mkt buy	AUD AUD	ORD ORD	10,917 34,508	10,917 34,508	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	4,456	4,456	
BlackRock Investment Management, LLC	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	26,073	26,073	
BLACKROCK FINANCIAL MANAGEMENT, INC.	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	10,265	10,265	
BlackRock Advisors, LLC	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	6,124	6,124	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	120,727	120,727	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	19,315	19,315	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	19,990	19,990	
BlackRock Advisors (UK) Limited	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	14,779	14,779	
BlackRock Advisors (UK) Limited	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	11,591	11,591	
BLACKROCK FINANCIAL MANAGEMENT, INC.	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	4,364	4,364	
BlackRock Investment Management (UK) Limited	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	5,145	5,145	
BlackRock Asset Management Canada Limited	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	5,508	5,508	
BlackRock Asset Management Canada Limited	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	29,833	29,833	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	63,298	63,298	
BlackRock Institutional Trust Company, National Association	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	35,771	35,771	
BLACKROCK FINANCIAL MANAGEMENT, INC.	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD	1,917	1,917	
BlackRock Investment Management (UK) Limited	14-Nov-19	yes	8.25		AUD	ORD	2,189	2,189	
BlackRock Investment Management, LLC BLACKROCK FINANCIAL MANAGEMENT, INC.	14-Nov-19 14-Nov-19	yes yes	8.25 8.25	on mkt buy on mkt buy	AUD AUD	ORD ORD	2,280 2,996	2,280 2,996	
	4 4 5 1 4 -		.			000			
BlackRock Investment Management, LLC BlackRock Investment Management (Australia)	14-Nov-19	yes	8.25	on mkt buy	AUD	ORD ORD	1,851	1,851	
Limited	14-Nov-19	yes	8.22	on mkt buy	AUD	UKU	3,378	3,378	
BlackRock Advisors (UK) Limited	14-Nov-19	yes	8.22	on mkt buy	AUD	ORD	6,560	6,560	
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes		on mkt buy	AUD	ORD	3,676	3,676	
BlackRock Institutional Trust Company, National	15-Nov-19			on mkt buy	AUD	ORD	6,750	6,750	

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BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	4,384	4,384
BlackRock Advisors, LLC	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	14,766	14,766
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	11,214	11,214
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	4,438	4,438
BlackRock International Limited	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	6,015	6,015
BlackRock Institutional Trust Company, National	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	25,229	25,229
Association		-		-				
BlackRock Investment Management, LLC	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	8,221	8,221
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	53,821	53,821
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	8,088	8,088
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	9,991	9,991
BlackRock Advisors (UK) Limited	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	7,833	7,833
BlackRock Advisors (UK) Limited	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	6,215	6,215
BlackRock Asset Management Canada Limited	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	12,490	12,490
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	25,671	25,671
BlackRock Institutional Trust Company, National	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	14,977	14,977
Association BlackRock Institutional Trust Company, National	15-Nov-19	yes	8.23	on mkt buy	AUD	ORD	6,296	6,296
Association BlackRock Institutional Trust Company, National	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	1,885	1,885
Association BlackRock Institutional Trust Company, National	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	2,366	2,366
Association								
BlackRock Advisors, LLC	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	3,428	3,428
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	1,129	1,129
BlackRock Asset Management Canada Limited	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	1,960	1,960
BlackRock Investment Management, LLC	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	957	957
BlackRock Institutional Trust Company, National	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	2,208	2,208
Association		jee	0.21	on mice out		er de	2,200	2,200
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	3,642	3,642
BlackRock Advisors, LLC	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	2,575	2,575
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	1,826	1,826
		2		2				,
BlackRock Asset Management Canada Limited	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	2,306	2,306
BlackRock Investment Management, LLC	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	1,277	1,277
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.27	on mkt buy	AUD	ORD	1,810	1,810
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	2,169	2,169
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	2,325	2,325
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,141	1,141
BlackRock Institutional Trust Company, National	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	2,651	2,651
Association BlackRock Institutional Trust Company, National	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,431	1,431
Association	4E N 40		0.00	ana madrit li		000	0.005	0.007
BlackRock Advisors, LLC BlackRock Advisors, LLC	15-Nov-19 15-Nov-19	yes	8.22 8.22		AUD AUD	ORD ORD	8,925 2,073	8,925 2,073
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes yes	8.22		AUD	ORD	684	<u>2,073</u> 684
BlackRock Asset Management Canada Limited	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,187	1,187
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	6,777	6,777
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	2,684	2,684
BlackRock Investment Management, LLC	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	581	581
BlackRock International Limited	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	3,637	3,637
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.22	-	AUD	ORD	15,249	15,249
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes		on mkt buy	AUD	ORD	1,335	1,335
BlackRock Investment Management, LLC	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	4,968	4,968

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BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	2,202	2,202
BlackRock Advisors, LLC	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,557	1,557
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	32,525	32,525
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	4,887	4,887
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	6,037	6,037
BlackRock Advisors (UK) Limited	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	4,734	4,734
BlackRock Advisors (UK) Limited	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	3,756	3,756
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.22	· · · · · · · · · · · · · · · · · · ·	AUD	ORD	1,105	1,105
BlackRock Asset Management Canada Limited	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,395	1,395
BlackRock Asset Management Canada Limited	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	7,549	7,549
BlackRock Investment Management, LLC	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	774	774
BLACKROCK FINANCIAL MANAGEMENT, INC.	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	1,095	1,095
BlackRock Institutional Trust Company, National	15-Nov-19	yes	8.22	on mkt buy	AUD	ORD	15,516	15,516
Association		-		-				
BlackRock Institutional Trust Company, National Association	15-Nov-19	yes	8.22		AUD	ORD	9,051	9,051
BlackRock Investment Management (Australia) Limited	15-Nov-19	yes	8.29	on mkt buy	AUD	ORD	4,504	4,504
BlackRock Fund Advisors	18-Nov-19	no	n/a	in specie	AUD	ORD	4,080	4,080
BlackRock Institutional Trust Company, National Association	18-Nov-19	yes	8.18	on mkt buy	AUD	ORD	11,776	11,776
BlackRock Institutional Trust Company, National Association	18-Nov-19	yes	8.18	on mkt buy	AUD	ORD	7,922	7,922
BlackRock Investment Management (Australia) Limited	18-Nov-19	yes	8.18	on mkt buy	AUD	ORD	4,504	4,504
BlackRock Fund Advisors	19-Nov-19	no	n/a	in specie	AUD	ORD	12,736	12,736
BlackRock Institutional Trust Company, National Association	19-Nov-19	yes	8.09	on mkt buy	AUD	ORD	8,019	8,019
BlackRock Institutional Trust Company, National Association	19-Nov-19	yes	8.09	on mkt buy	AUD	ORD	10,025	10,025
BlackRock Institutional Trust Company, National Association	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	4,248	4,248
BlackRock Institutional Trust Company, National Association	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	11,725	11,725
BlackRock Institutional Trust Company, National Association	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	5,681	5,681
BlackRock Advisors, LLC	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	35,453	35,453
BlackRock Advisors, LLC	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	6,769	6,769
BLACKROCK FINANCIAL MANAGEMENT, INC.	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	2,732	2,732
BlackRock Asset Management Canada Limited	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	4,843	4,843
BLACKROCK FINANCIAL MANAGEMENT, INC.	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	27,158	27,158
BLACKROCK FINANCIAL MANAGEMENT, INC.	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	10,995	10,995
BlackRock Investment Management, LLC	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	2,302	2,302
BlackRock International Limited	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	14,319	14,319
BlackRock Institutional Trust Company, National Association	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	54,413	54,413
BlackRock Institutional Trust Company, National Association	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	5,793	5,793
BlackRock Investment Management, LLC BLACKROCK FINANCIAL MANAGEMENT, INC.	19-Nov-19 19-Nov-19	yes yes	8.08 8.08	on mkt buy on mkt buy	AUD AUD	ORD ORD	9,577 7,749	9,577 7,749
		-		-				
BlackRock Advisors, LLC BlackRock Institutional Trust Company, National	19-Nov-19 19-Nov-19	yes yes	8.08 8.08	on mkt buy on mkt buy	AUD AUD	ORD ORD	6,139 128,249	6,139 128,249
Association BlackRock Institutional Trust Company, National	19-Nov-19	yes	8.08		AUD	ORD	19,417	19,417
Association BlackRock Institutional Trust Company, National	19-Nov-19	-		-		ORD		22,941
Association		yes		on mkt buy	AUD		22,941	
BlackRock Advisors (UK) Limited	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	19,440	19,440
BlackRock Advisors (UK) Limited BLACKROCK FINANCIAL MANAGEMENT, INC.	19-Nov-19 19-Nov-19	yes		on mkt buy on mkt buy	AUD AUD	ORD ORD	15,289 4,387	<u>15,289</u> 4,387
	19-Nov-19	yes		on mkt buy	AUD			
BlackRock Asset Management Canada Limited	19-1007-19	yes	δ.08	on mkt duy	AUD	ORD	5,538	5,538

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BlackRock Asset Management Canada Limited	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	26,020	26,02
BlackRock Investment Management, LLC	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	3,003	3,003
BLACKROCK FINANCIAL MANAGEMENT, INC.	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	4,681	4,68
BlackRock Institutional Trust Company, National	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	64,722	64,722
BlackRock Institutional Trust Company, National	19-Nov-19	yes	8.08	on mkt buy	AUD	ORD	35,957	35,957
Association BLACKROCK FINANCIAL MANAGEMENT, INC.	19-Nov-19	yes	8.09	on mkt buy	AUD	ORD	3,426	3,426
BlackRock Investment Management (Australia)	19-Nov-19	yes	8.09	on mkt buy	AUD	ORD	22,122	22,122
Limited BlackRock Investment Management (UK)	20-Nov-19	yes	8.64	on mkt buy	AUD	ORD	2,662	2,662
Limited BlackRock Investment Management (Australia)	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	45,969	45,969
Limited BlackRock Investment Management (Australia)	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	1,096	1,096
Limited BlackRock Investment Management (Australia)	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	31,280	31,280
Limited	00 Nov 40		0.00			000	50.040	50.04
BlackRock Japan Co., Ltd. BlackRock Institutional Trust Company, National	20-Nov-19 20-Nov-19	yes	8.98 8.83	on mkt buy	AUD AUD	ORD ORD	50,340 13,147	50,340 13,147
Association		yes		on mkt buy				
BlackRock Institutional Trust Company, National Association	20-Nov-19	yes	8.83	on mkt buy	AUD	ORD	13,448	13,448
BlackRock Investment Management, LLC BlackRock Investment Management (UK)	20-Nov-19 20-Nov-19	yes yes	8.97 8.97	on mkt buy on mkt buy	AUD AUD	ORD ORD	16,084 5,457	16,084 5,457
Limited BlackRock Institutional Trust Company, National	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	6,173	6,173
Association BlackRock Institutional Trust Company, National Association	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	4,530	4,530
BlackRock Advisors (UK) Limited	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	4,732	4,732
BlackRock Investment Management (UK)	20-Nov-19	yes		on mkt buy	AUD	ORD	988	988
BlackRock Japan Co., Ltd.	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	2,335	2,335
BlackRock Japan Co., Ltd.	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	14,460	14,460
BlackRock Japan Co., Ltd.	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	16,841	16,84 <i>°</i>
BlackRock Japan Co., Ltd.	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	18,703	18,703
BlackRock Japan Co., Ltd.	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	14,989	14,989
BlackRock Investment Management, LLC	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	1,034	1,034
BlackRock Institutional Trust Company, National Association	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	1,153	1,153
BlackRock Investment Management (UK) Limited	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	23,464	23,464
BlackRock Investment Management, LLC	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	11,561	11,561
BlackRock Investment Management, LLC	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	4,218	4,218
BlackRock Investment Management, LLC	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	1,887	1,887
BlackRock Institutional Trust Company, National Association	20-Nov-19	yes	8.97	on mkt buy	AUD	ORD	2,707	2,707
BlackRock Investment Management (Australia) Limited	20-Nov-19	yes	9.06	on mkt buy	AUD	ORD	4,504	4,504
BLACKROCK FINANCIAL MANAGEMENT, INC.	20-Nov-19	yes	9.06	on mkt buy	AUD	ORD	4,010	4,010
BlackRock Advisors (UK) Limited	20-Nov-19	yes	9.06	on mkt buy	AUD	ORD	656	656
BlackRock Advisors (UK) Limited BlackRock Fund Advisors	20-Nov-19 20-Nov-19	yes no	9.06 n/a	on mkt buy	AUD AUD	ORD ORD	656 1,002	650 1,002
BlackRock Institutional Trust Company, National Association	21-Nov-19	yes	8.90	in specie on mkt buy	AUD	ORD	3,699	3,699
BlackRock Institutional Trust Company, National Association	21-Nov-19	yes	8.90	on mkt buy	AUD	ORD	2,661	2,667
BlackRock Institutional Trust Company, National Association	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	5,148	5,148
BlackRock Institutional Trust Company, National Association	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	4,007	4,007
BlackRock Advisors, LLC	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	13,714	13,714
BlackRock Advisors, LLC BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Nov-19 21-Nov-19	yes yes	8.92 8.92	on mkt buy on mkt buy	AUD AUD	ORD ORD	2,749 1,622	2,749 1,622
BlackRock Asset Management Canada Limited	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	2,433	2,433
	21 Nov 10		<u> </u>	on mkt buy	AUD	ORD	6,754	6,754
BlackRock Investment Management (UK) Limited	21-Nov-19	yes	0.90	on mix buy	NOD	OND	0,754	0,10

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BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	8,294	8,294
BlackRock Investment Management, LLC	21-Nov-19	yes	8.92		AUD	ORD	1,622	1,622
BlackRock International Limited	21-Nov-19	yes	8.92	,	AUD	ORD	6,746	6,746
BlackRock Institutional Trust Company, National Association	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	37,583	37,583
BlackRock Institutional Trust Company, National	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	3,358	3,358
Association		,		-				
BlackRock Advisors, LLC	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	2,864	2,864
BlackRock Institutional Trust Company, National Association	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	37,820	37,820
BlackRock Institutional Trust Company, National Association	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	6,754	6,754
BlackRock Institutional Trust Company, National	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	16,579	16,579
Association		-						
BlackRock Advisors (UK) Limited	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	8,691	8,691
BlackRock Advisors (UK) Limited BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Nov-19 21-Nov-19	yes	8.92 8.92	on mkt buy	AUD AUD	ORD ORD	<u>6,744</u> 3,197	<u>6,744</u> 3,197
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-1100-19	yes	0.92	on mkt buy	AUD	ORD	3,197	3,197
BlackRock Investment Management (UK) Limited	21-Nov-19	yes	8.90	on mkt buy	AUD	ORD	15,459	15,459
BlackRock Asset Management Canada Limited	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	2,135	2,135
BlackRock Asset Management Canada Limited	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	10,281	10,281
-		yes		-				
BlackRock Investment Management, LLC	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	1,826	1,826
BLACKROCK FINANCIAL MANAGEMENT, INC.	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	3,170	3,170
BlackRock Institutional Trust Company, National Association	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	21,672	21,672
BlackRock Institutional Trust Company, National	21-Nov-19	yes	8.92	on mkt buy	AUD	ORD	16,643	16,643
Association BlackRock Investment Management (Australia)	21-Nov-19	yes	8.91	on mkt buy	AUD	ORD	2,252	2,252
Limited BlackRock Institutional Trust Company, National	22-Nov-19	yes	8.75	on mkt buy	AUD	ORD	1,623	1,623
Association BlackRock Institutional Trust Company, National	22-Nov-19	yes	8.75	on mkt buy	AUD	ORD	1,616	1,616
Association BlackRock Institutional Trust Company, National	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	3,016	3,016
Association BlackRock Institutional Trust Company, National	22-Nov-19	-			AUD	ORD	3,459	3,459
Association		yes	8.74					
BlackRock Advisors, LLC	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	10,741	10,741
BlackRock International Limited BlackRock Institutional Trust Company, National	22-Nov-19 22-Nov-19	yes yes	8.74 8.74	on mkt buy on mkt buy	AUD AUD	ORD ORD	5,292 19,022	5,292 19,022
Association BlackRock Institutional Trust Company, National	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	1,756	1,756
Association	22 Nov 10		0.74			ORD	2.266	0.000
BlackRock Advisors, LLC BlackRock Institutional Trust Company, National	22-Nov-19 22-Nov-19	yes yes	8.74	on mkt buy on mkt buy	AUD AUD	ORD	2,366 44,594	2,366
Association	22 100 10	yes	0.74	on mixe buy	NOD	OND		,00-
BlackRock Institutional Trust Company, National Association	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	6,716	6,716
BlackRock Advisors (UK) Limited	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	4,465	4,465
BlackRock Advisors (UK) Limited	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	3,572	3,572
BLACKROCK FINANCIAL MANAGEMENT, INC.	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	3,090	3,090
BlackRock Asset Management Canada Limited	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	1,965	1,965
BlackRock Asset Management Canada Limited	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	8,993	8,993
BlackRock Institutional Trust Company, National Association	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	20,876	20,876
BlackRock Institutional Trust Company, National Association	22-Nov-19	yes	8.74	on mkt buy	AUD	ORD	11,308	11,308
BlackRock Fund Advisors	22-Nov-19	no	n/a	in specie	AUD	ORD	5,174	5,174
BlackRock Institutional Trust Company, National	25-Nov-19	yes	8.56	on mkt buy	AUD	ORD	1,348	1,348
Association BlackRock Institutional Trust Company, National	25-Nov-19	yes	8.56	on mkt buy	AUD	ORD	1,336	1,336
Association		-		-				
BlackRock Institutional Trust Company, National Association	26-Nov-19	yes	8.75	on mkt buy	AUD	ORD	1,611	1,611
BlackRock Institutional Trust Company, National Association	26-Nov-19	yes	8.75	on mkt buy	AUD	ORD	1,665	1,665
BlackRock Institutional Trust Company, National	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	2,243	2,243

	Date of Acquisit	tion / Trans	Cons	ideration		Class and	number of	Person's
Holder of Relevant Interest	on a prescribe		Cash	Non-cash	CCY		s affected	votes affected
BlackRock Institutional Trust Company, National Association	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	5,063	5,063
BlackRock Institutional Trust Company, National Association	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	3,955	3,955
BlackRock Advisors, LLC	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	8,793	8,793
BlackRock Advisors, LLC	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	2,474	2,474
BlackRock Asset Management Canada Limited	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	2,281	2,281
BLACKROCK FINANCIAL MANAGEMENT, INC.	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	12,350	12,350
BLACKROCK FINANCIAL MANAGEMENT, INC.	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	5,117	5,117
BlackRock International Limited	26-Nov-19	ves	8.77	on mkt buy	AUD	ORD	6,902	6,902
BlackRock Institutional Trust Company, National	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	24,089	24,089
Association		-						
BlackRock Institutional Trust Company, National Association	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	2,370	2,370
BlackRock Investment Management, LLC	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	2,954	2,954
BLACKROCK FINANCIAL MANAGEMENT, INC.	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	3,479	3,479
BlackRock Advisors, LLC	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	1,778	1,778
BlackRock Institutional Trust Company, National	26-Nov-19	yes	8.77		AUD	ORD	34,357	34,357
Association			0.77			000	5.057	5.057
BlackRock Institutional Trust Company, National Association	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	5,357	5,357
BlackRock Institutional Trust Company, National Association	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	11,606	11,606
BlackRock Advisors (UK) Limited	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	7,601	7,601
BlackRock Advisors (UK) Limited	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	6,021	6,021
BLACKROCK FINANCIAL MANAGEMENT, INC.	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	3,000	3,000
BlackRock Asset Management Canada Limited	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	1,716	1,716
BlackRock Asset Management Canada Limited	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	8,607	8,607
BLACKROCK FINANCIAL MANAGEMENT, INC.	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	2,413	2,413
BlackRock Institutional Trust Company, National Association	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	16,344	16,344
BlackRock Institutional Trust Company, National Association	26-Nov-19	yes	8.77	on mkt buy	AUD	ORD	11,069	11,069
BlackRock Investment Management (Australia)	26-Nov-19	yes	8.79	on mkt buy	AUD	ORD	103	103
BlackRock Investment Management (Australia) Limited	26-Nov-19	yes	8.79	on mkt buy	AUD	ORD	4,164	4,164
BlackRock Institutional Trust Company, National Association	26-Nov-19	yes	8.79	on mkt buy	AUD	ORD	90,699	90,699
BlackRock Fund Advisors	26-Nov-19	no	n/a	in specie	AUD	ORD	12,345	12,345
BlackRock Investment Management (Australia) Limited	27-Nov-19	yes	8.70		AUD	ORD	28,799	28,799
BlackRock Investment Management (Australia)	27-Nov-19	yes	8.70	on mkt buy	AUD	ORD	6,097	6,097
BlackRock Investment Management (UK) Limited	27-Nov-19	yes	8.71	on mkt buy	AUD	ORD	195	195
BlackRock Japan Co., Ltd.	27-Nov-19	yes	8.70	on mkt buy	AUD	ORD	16,778	16,778
BlackRock Investment Management (UK)	27-Nov-19	yes	8.70	on mkt buy	AUD	ORD	6,252	6,252
Limited	07 No. 40		0.70	and the later		000	5 004	5 004
BlackRock Investment Management, LLC BlackRock Institutional Trust Company, National	27-Nov-19 27-Nov-19	yes yes	8.70 8.70		AUD AUD	ORD ORD	5,861 2,261	5,861 2,261
Association	07.11					000	• <i>i</i>	• • • • •
BlackRock Japan Co., Ltd.	27-Nov-19	yes	8.70	,	AUD	ORD	3,428	3,428
BlackRock Japan Co., Ltd. BlackRock Japan Co., Ltd.	27-Nov-19 27-Nov-19	yes	<u>8.70</u> 8.70	on mkt buy on mkt buy	AUD AUD	ORD ORD	3,970 4,961	3,970 4,961
BlackRock Japan Co., Ltd. BlackRock Japan Co., Ltd.	27-Nov-19 27-Nov-19	yes yes	8.70	on mkt buy	AUD	ORD	3,904	3,904
BlackRock Investment Management, LLC	27-Nov-19	yes	8.70	on mkt buy	AUD	ORD	2,904	2,908
BlackRock Institutional Trust Company, National	27-Nov-19	yes	8.70	on mkt buy	AUD	ORD	1,251	1,251
Association BlackRock Institutional Trust Company, National Association	27-Nov-19	yes	8.70	on mkt buy	AUD	ORD	1,232	1,232
BlackRock Institutional Trust Company, National	27-Nov-19	yes	8.70	on mkt buy	AUD	ORD	1,727	1,727
Association BlackRock Advisors (UK) Limited	27-Nov-19	Voc	0 70	on mkt buy	AUD	ORD	1,699	1,699
BlackRock Investment Management (UK)	27-Nov-19 27-Nov-19	yes yes		on mkt buy	AUD	ORD	72,777	72,777
Limited BlackRock Fund Advisors	27-Nov-19	no	n/a	in specie	AUD	ORD	24,680	24,680
BlackRock Fund Advisors	27-Nov-19 27-Nov-19	no	n/a	in specie	AUD	ORD	12,340	12,340
				-				

	Data of Associati	lan / Trana	Cons	ideration			l a caract	Person's
Holder of Relevant Interest	Date of Acquisit on a prescribe		Cash	Non-cash	ССҮ		I number of s affected	votes affected
BlackRock Fund Advisors	27-Nov-19	no	n/a	in specie	AUD	ORD	6,400	6,400
BlackRock Investment Management (UK) Limited	28-Nov-19	yes	8.77	on mkt buy	AUD	ORD	27,216	27,216
BlackRock Investment Management (Australia) Limited	28-Nov-19	yes	8.94	on mkt buy	AUD	ORD	4,504	4,504
BlackRock Investment Management (UK) Limited	29-Nov-19	yes	9.04	on mkt buy	AUD	ORD	1,958	1,958
BlackRock Investment Management (UK) Limited	29-Nov-19	yes	9.04	on mkt buy	AUD	ORD	4,458	4,458
BlackRock Fund Advisors	29-Nov-19	no	n/a	in specie	AUD	ORD	9,880	9,880
BlackRock Investment Management (UK) Limited	03-Dec-19	yes	9.00	on mkt buy	AUD	ORD	46,011	46,011
BlackRock Institutional Trust Company, National Association	03-Dec-19	yes	8.90	on mkt buy	AUD	ORD	2,867	2,867
BlackRock Fund Advisors	03-Dec-19	no	n/a	in specie	AUD	ORD	12,345	12,345
BlackRock Investment Management (UK) Limited	04-Dec-19	yes	8.97	on mkt buy	AUD	ORD	391,647	391,647
BlackRock Investment Management (Australia) Limited	04-Dec-19	yes	8.99	on mkt buy	AUD	ORD	9,759	9,759
BlackRock Investment Management (Australia) Limited	04-Dec-19	yes	8.99	on mkt buy	AUD	ORD	1,263	1,263
BlackRock Investment Management (Australia) Limited	04-Dec-19	yes	8.99	on mkt buy	AUD	ORD	3,905	3,905
BlackRock Investment Management (Australia) Limited	04-Dec-19	yes	9.00	on mkt buy	AUD	ORD	563	563
BlackRock Investment Management (Australia) Limited	04-Dec-19	yes	9.00	on mkt buy	AUD	ORD	3,378	3,378
BlackRock Investment Management (UK) Limited	04-Dec-19	yes	9.00	on mkt buy	AUD	ORD	65,543	65,543
BlackRock Investment Management (Australia) Limited	04-Dec-19	yes	9.00	on mkt buy	AUD	ORD	8,440	8,440
BlackRock Fund Advisors	04-Dec-19	no	n/a	in specie	AUD	ORD	4,938	4,938
BlackRock Fund Advisors	04-Dec-19	no	n/a	in specie	AUD	ORD	9,876	9,876

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

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