

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**To Company Name/Scheme DULUXGROUP LTDACN/ARSN 133 404 065**1. Details of substantial holder (1)**Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures
ACN/ARSN (if applicable) to this form)The holder became a substantial holder on 21 / 02 / 2019**2. Details of voting power**

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

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
ord	19,495,045	19,495,045	5.00

3. Details of relevant interests

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

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

4. Details of present registered holders

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

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

5. Consideration

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

Holder of relevant interest	Date of acquisition	Consideration (9)		Class and number of securities
		Cash	Non-cash	
see Annexure B				

6. Associates

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

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

7. Addresses

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

Name	Address
see Annexure C	

Signature

print name Maria Tricarico

capacity Authorised Signatory*

sign here

date 25 / 02 / 2019

* At a meeting of the Board on 22 November 2013, the Directors resolved to approve the delegation of the preparation and lodgement of substantial shareholder notices on behalf of BlackRock Investment Management (Australia) Limited.

DIRECTIONS

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

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

25-Feb-19

**Maria Tricarico,
Authorised Signatory**

Date

3. Details of Relevant Interests

4. Details of present registered holders

6. Associates

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 52,603	52,603	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 525,510	525,510	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 198,142	198,142	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 37,321	37,321	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 27,051	27,051	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.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 32,888	32,888	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 141,860	141,860	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 20,745	20,745	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Asset Management 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 112,826	112,826	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 78,013	78,013	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 290	290	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC, HONG KONG		ORD 1,861	1,861	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 528	528	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD 108,335	108,335	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 20,691	20,691	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 2,310	2,310	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 15,487	15,487	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 288,923	288,923	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 100,699	100,699	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 3,377,158	3,377,158	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 453,854	453,854	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ORD 57,775	57,775	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 73,803	73,803	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CS-CREDIT SUISSE PRIME BROKERAGE - ZURICH		ORD 3,390	3,390	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 3,094,737	3,094,737	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 7,404	7,404	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 35,511	35,511	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	RBC-ROYAL TRUST - TORONTO		ORD 4,778	4,778	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 5,388	5,388	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 458,239	458,239	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD 10,018	10,018	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 1,330	1,330	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 64,252	64,252	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 114,901	114,901	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC SYDNEY		ORD 360,553	360,553	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 1,523,009	1,523,009	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 2,154,741	2,154,741	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 303,122	303,122	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 841,444	841,444	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 149,116	149,116	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ORD 251,078	251,078	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY LUXEMBOURG		ORD 13,453	13,453	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 37,444	37,444	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 594,046	594,046	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 165,657	165,657	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 157,075	157,075	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 265,632	265,632	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 2,678	2,678	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 1,967	1,967	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 9,264	9,264	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 87,749	87,749	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 16,116	16,116	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 2,136	2,136	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 178,929	178,929	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 13,549	13,549	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 20,767	20,767	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 123,246	123,246	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.	MITSUI-SUMITOMO TRUST		ORD 13,570	13,570	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 355,514	355,514	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD 431,346	431,346	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 88,258	88,258	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	SSB-STATE STREET AUSTRALIA		ORD 137,906	137,906	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 1,667,059	1,667,059	subsidiary of BlackRock Inc.

This is Annexure B of 18 pages referred to in form 603 Notice of initial substantial shareholder

25-Feb-19

Maria Tricarico,
Authorised Signatory

Date

5. Consideration

DULUXGROUP LTD (DLX)									
Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected		
			Cash	Non-cash	CCY				
BlackRock Investment Management, LLC	23-Oct-18	yes	7.39	on mkt buy	AUD	ORD	7,975	7,975	
BlackRock Investment Management (UK) Limited	23-Oct-18	yes	7.39	on mkt buy	AUD	ORD	5,136	5,136	
BlackRock Investment Management (UK) Limited	23-Oct-18	yes	7.39	on mkt buy	AUD	ORD	7,420	7,420	
BlackRock Fund Advisors	23-Oct-18	yes	7.40	on mkt buy	AUD	ORD	18,817	18,817	
BlackRock Advisors (UK) Limited	24-Oct-18	yes	7.32	on mkt buy	AUD	ORD	910	910	
BlackRock Investment Management (Australia) Limited	26-Oct-18	yes	7.23	on mkt buy	AUD	ORD	16,756	16,756	
BlackRock Investment Management, LLC	29-Oct-18	yes	7.29	on mkt buy	AUD	ORD	6,476	6,476	
BlackRock Investment Management (Australia) Limited	29-Oct-18	yes	7.29	on mkt buy	AUD	ORD	22,405	22,405	
BlackRock Investment Management (UK) Limited	29-Oct-18	yes	7.29	on mkt buy	AUD	ORD	4,888	4,888	
BlackRock Investment Management (UK) Limited	29-Oct-18	yes	7.29	on mkt buy	AUD	ORD	6,484	6,484	
BlackRock Fund Advisors	29-Oct-18	no	n/a	in specie	AUD	ORD	2,838	2,838	
BlackRock Institutional Trust Company, National Association	31-Oct-18	yes	7.40	on mkt buy	AUD	ORD	7,699	7,699	
BlackRock Asset Management Canada Limited	31-Oct-18	yes	7.40	on mkt buy	AUD	ORD	5,112	5,112	
BlackRock Institutional Trust Company, National Association	31-Oct-18	yes	7.40	on mkt buy	AUD	ORD	9,017	9,017	
BlackRock Fund Advisors	31-Oct-18	no	n/a	in specie	AUD	ORD	3,612	3,612	
BlackRock Investment Management (Australia) Limited	01-Nov-18	yes	7.40	on mkt buy	AUD	ORD	13,691	13,691	
BlackRock Investment Management (Australia) Limited	02-Nov-18	yes	7.41	on mkt buy	AUD	ORD	4,050	4,050	
BlackRock Asset Management Canada Limited	07-Nov-18	yes	7.45	on mkt buy	AUD	ORD	30,268	30,268	
BlackRock Investment Management (Australia) Limited	08-Nov-18	yes	7.45	on mkt buy	AUD	ORD	6,285	6,285	
BlackRock Investment Management (Australia) Limited	09-Nov-18	yes	7.51	on mkt buy	AUD	ORD	45,063	45,063	
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	AUD	ORD	2,560	2,560	
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	AUD	ORD	1,280	1,280	
BlackRock Investment Management, LLC	12-Nov-18	yes	7.60	on mkt buy	AUD	ORD	2,588	2,588	
BlackRock Institutional Trust Company, National Association	13-Nov-18	no	n/a	in specie	AUD	ORD	16,534	16,534	
BlackRock Institutional Trust Company, National Association	13-Nov-18	yes	7.44	on mkt buy	AUD	ORD	254	254	
BlackRock Institutional Trust Company, National Association	13-Nov-18	yes	7.44	on mkt buy	AUD	ORD	1,848	1,848	
BlackRock Investment Management (Australia) Limited	13-Nov-18	yes	7.42	on mkt buy	AUD	ORD	5,980	5,980	
BlackRock Investment Management, LLC	13-Nov-18	yes	7.41	on mkt buy	AUD	ORD	9,076	9,076	
BlackRock Institutional Trust Company, National Association	13-Nov-18	yes	7.41	on mkt buy	AUD	ORD	1,362	1,362	
BlackRock Investment Management (UK) Limited	13-Nov-18	yes	7.41	on mkt buy	AUD	ORD	6,100	6,100	
BlackRock Investment Management (UK) Limited	13-Nov-18	yes	7.41	on mkt buy	AUD	ORD	9,734	9,734	
BlackRock Institutional Trust Company, National Association	14-Nov-18	yes	7.42	on mkt buy	AUD	ORD	228	228	
BlackRock Institutional Trust Company, National Association	14-Nov-18	yes	7.42	on mkt buy	AUD	ORD	265	265	
BlackRock Advisors (UK) Limited	14-Nov-18	yes	7.39	on mkt buy	AUD	ORD	455	455	
BlackRock Investment Management (UK) Limited	14-Nov-18	no	n/a	in specie	AUD	ORD	1,426	1,426	
BlackRock Investment Management (Australia) Limited	15-Nov-18	yes	7.25	on mkt buy	AUD	ORD	25,705	25,705	
BlackRock Institutional Trust Company, National Association	15-Nov-18	yes	7.26	on mkt buy	AUD	ORD	1,089	1,089	

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	15-Nov-18	yes	7.22	on mkt buy	AUD	ORD	2,003	2,003
BlackRock Advisors, LLC	15-Nov-18	yes	7.22	on mkt buy	AUD	ORD	3,080	3,080
BlackRock Financial Management, Inc.	15-Nov-18	yes	7.22	on mkt buy	AUD	ORD	21,143	21,143
BlackRock Financial Management, Inc.	15-Nov-18	yes	7.22	on mkt buy	AUD	ORD	7,046	7,046
BlackRock Financial Management, Inc.	15-Nov-18	yes	7.22	on mkt buy	AUD	ORD	10,681	10,681
BlackRock Institutional Trust Company, National Association	15-Nov-18	yes	7.22	on mkt buy	AUD	ORD	17,542	17,542
BlackRock Financial Management, Inc.	15-Nov-18	yes	7.22	on mkt buy	AUD	ORD	1,875	1,875
BlackRock Institutional Trust Company, National Association	15-Nov-18	yes	7.22	on mkt buy	AUD	ORD	6,654	6,654
BlackRock Investment Management (Australia) Limited	15-Nov-18	yes	7.20	on mkt buy	AUD	ORD	4,050	4,050
BlackRock Institutional Trust Company, National Association	16-Nov-18	yes	7.12	on mkt buy	AUD	ORD	403	403
BlackRock Fund Advisors	16-Nov-18	no	n/a	in specie	AUD	ORD	3,328	3,328
BlackRock Institutional Trust Company, National Association	19-Nov-18	yes	7.12	on mkt buy	AUD	ORD	205	205
BlackRock Institutional Trust Company, National Association	19-Nov-18	yes	7.12	on mkt buy	AUD	ORD	288	288
BlackRock Advisors (UK) Limited	19-Nov-18	yes	7.12	on mkt buy	AUD	ORD	455	455
BlackRock Fund Advisors	19-Nov-18	no	n/a	in specie	AUD	ORD	1,280	1,280
BlackRock Institutional Trust Company, National Association	20-Nov-18	yes	7.04	on mkt buy	AUD	ORD	4,405	4,405
BlackRock Institutional Trust Company, National Association	20-Nov-18	yes	7.04	on mkt buy	AUD	ORD	3,089	3,089
BlackRock Institutional Trust Company, National Association	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	2,206	2,206
BlackRock Financial Management, Inc.	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	2,131	2,131
BlackRock Investment Management, LLC	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	4,068	4,068
BlackRock Institutional Trust Company, National Association	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	3,397	3,397
BlackRock Institutional Trust Company, National Association	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	326	326
BlackRock Advisors (UK) Limited	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	3,286	3,286
BlackRock Advisors, LLC	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	2,365	2,365
BlackRock Financial Management, Inc.	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	1,409	1,409
BlackRock Asset Management Canada Limited	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	2,173	2,173
BlackRock Financial Management, Inc.	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	7,130	7,130
BlackRock Financial Management, Inc.	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	2,379	2,379
BlackRock Investment Management, LLC	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	1,303	1,303
BlackRock International Limited	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	3,456	3,456
BlackRock Investment Management (UK) Limited	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	1,792	1,792
BlackRock Institutional Trust Company, National Association	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	2,740	2,740
BlackRock Financial Management, Inc.	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	6,003	6,003
BlackRock Investment Management, LLC	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	9,001	9,001
BlackRock Institutional Trust Company, National Association	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	1,745	1,745
BlackRock Investment Management (UK) Limited	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	1,524	1,524
BlackRock Investment Management (UK) Limited	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	2,177	2,177
BlackRock Advisors (UK) Limited	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	4,221	4,221
BlackRock Advisors (UK) Limited	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	3,757	3,757
BlackRock Investment Management (UK) Limited	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	5,592	5,592
BlackRock Investment Management (UK) Limited	20-Nov-18	yes	7.02	on mkt buy	AUD	ORD	8,578	8,578
BlackRock Institutional Trust Company, National Association	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	4,724	4,724
BlackRock Institutional Trust Company, National Association	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	2,714	2,714
BlackRock Institutional Trust Company, National Association	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	1,410	1,410
BlackRock Financial Management, Inc.	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	1,362	1,362
BlackRock Investment Management, LLC	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	2,601	2,601
BlackRock Institutional Trust Company, National Association	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	2,172	2,172
BlackRock Advisors (UK) Limited	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	2,100	2,100
BlackRock Advisors, LLC	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	1,512	1,512
BlackRock Financial Management, Inc.	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	901	901
BlackRock Asset Management Canada Limited	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	1,389	1,389

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Financial Management, Inc.	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	4,558	4,558
BlackRock Financial Management, Inc.	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	1,520	1,520
BlackRock Investment Management, LLC	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	833	833
BlackRock International Limited	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	2,210	2,210
BlackRock Investment Management (UK) Limited	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	1,145	1,145
BlackRock Institutional Trust Company, National Association	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	1,751	1,751
BlackRock Financial Management, Inc.	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	3,837	3,837
BlackRock Investment Management, LLC	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	5,754	5,754
BlackRock Institutional Trust Company, National Association	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	1,115	1,115
BlackRock Investment Management (UK) Limited	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	975	975
BlackRock Investment Management (UK) Limited	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	1,392	1,392
BlackRock Advisors (UK) Limited	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	2,699	2,699
BlackRock Advisors (UK) Limited	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	2,401	2,401
BlackRock Investment Management (UK) Limited	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	3,575	3,575
BlackRock Investment Management (UK) Limited	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	5,484	5,484
BlackRock Institutional Trust Company, National Association	21-Nov-18	yes	6.95	on mkt buy	AUD	ORD	208	208
BlackRock Investment Management (Australia) Limited	21-Nov-18	yes	6.96	on mkt buy	AUD	ORD	3,786	3,786
BlackRock Fund Advisors	21-Nov-18	no	n/a	in specie	AUD	ORD	1,650	1,650
BlackRock Institutional Trust Company, National Association	22-Nov-18	yes	6.98	on mkt buy	AUD	ORD	4,326	4,326
BlackRock Institutional Trust Company, National Association	22-Nov-18	yes	6.98	on mkt buy	AUD	ORD	2,248	2,248
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.88	on mkt buy	AUD	ORD	3,484	3,484
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.88	on mkt buy	AUD	ORD	1,705	1,705
BlackRock Investment Management, LLC	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,556	2,556
BlackRock Advisors (UK) Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,285	2,285
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	3,352	3,352
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,960	1,960
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,169	2,169
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,570	2,570
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,280	2,280
BlackRock Advisors, LLC	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,085	2,085
BlackRock Advisors, LLC	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,487	1,487
BlackRock Financial Management, Inc.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	10,575	10,575
BlackRock Financial Management, Inc.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	3,329	3,329
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	35,099	35,099
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,626	1,626
BlackRock Financial Management, Inc.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	5,932	5,932
BlackRock Investment Management, LLC	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	5,411	5,411
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,150	1,150
BlackRock Advisors, LLC	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,452	1,452
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	6,503	6,503
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,336	2,336
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	8,693	8,693
BlackRock Advisors (UK) Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	4,591	4,591
BlackRock Advisors (UK) Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	3,654	3,654
BlackRock Investment Management (UK) Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	3,364	3,364
BlackRock Asset Management Canada Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,070	2,070
BlackRock Investment Management (UK) Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	5,731	5,731
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	5,496	5,496
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	940	940
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.87	on mkt buy	AUD	ORD	6,179	6,179
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.87	on mkt buy	AUD	ORD	7,924	7,924

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock International Limited	27-Nov-18	yes	6.87	on mkt buy	AUD	ORD	8,329	8,329
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,693	2,693
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,317	1,317
BlackRock Investment Management, LLC	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,915	2,915
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,072	1,072
BlackRock Advisors (UK) Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,607	2,607
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	3,823	3,823
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,235	2,235
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,474	2,474
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,931	2,931
BlackRock Japan Co., Ltd.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,602	2,602
BlackRock Advisors, LLC	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,329	2,329
BlackRock Advisors, LLC	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,659	1,659
BlackRock Financial Management, Inc.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	11,813	11,813
BlackRock Financial Management, Inc.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	3,718	3,718
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	40,048	40,048
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,855	1,855
BlackRock Financial Management, Inc.	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	6,770	6,770
BlackRock Investment Management, LLC	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	6,175	6,175
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,312	1,312
BlackRock Advisors, LLC	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	1,621	1,621
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	7,266	7,266
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,609	2,609
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	9,918	9,918
BlackRock Advisors (UK) Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	5,240	5,240
BlackRock Advisors (UK) Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	4,169	4,169
BlackRock Investment Management (UK) Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	3,837	3,837
BlackRock Asset Management Canada Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	2,311	2,311
BlackRock Investment Management (UK) Limited	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	6,540	6,540
BlackRock Institutional Trust Company, National Association	27-Nov-18	yes	6.86	on mkt buy	AUD	ORD	6,141	6,141
BlackRock Investment Management (Australia) Limited	27-Nov-18	yes	6.90	on mkt buy	AUD	ORD	4,500	4,500
BlackRock Fund Advisors	27-Nov-18	no	n/a	in specie	AUD	ORD	1,024	1,024
BlackRock Institutional Trust Company, National Association	28-Nov-18	yes	6.92	on mkt buy	AUD	ORD	3,357	3,357
BlackRock Institutional Trust Company, National Association	28-Nov-18	yes	6.92	on mkt buy	AUD	ORD	1,155	1,155
BlackRock Fund Advisors	28-Nov-18	no	n/a	in specie	AUD	ORD	2,432	2,432
BlackRock Institutional Trust Company, National Association	30-Nov-18	yes	6.85	on mkt buy	AUD	ORD	1,172	1,172
BlackRock Investment Management (UK) Limited	30-Nov-18	yes	6.85	on mkt buy	AUD	ORD	347,532	347,532
BlackRock Institutional Trust Company, National Association	03-Dec-18	yes	6.91	on mkt buy	AUD	ORD	253	253
BlackRock Investment Management (Australia) Limited	03-Dec-18	yes	6.91	on mkt buy	AUD	ORD	29,989	29,989
BlackRock Institutional Trust Company, National Association	04-Dec-18	yes	6.93	on mkt buy	AUD	ORD	2,518	2,518
BlackRock Investment Management (UK) Limited	04-Dec-18	yes	6.79	on mkt buy	AUD	ORD	1,967	1,967
BlackRock Financial Management, Inc.	04-Dec-18	yes	6.80	on mkt buy	AUD	ORD	5,288	5,288
BlackRock Investment Management, LLC	04-Dec-18	yes	6.79	on mkt buy	AUD	ORD	5,394	5,394
BlackRock Advisors (UK) Limited	04-Dec-18	yes	6.79	on mkt buy	AUD	ORD	5,772	5,772
BlackRock Advisors (UK) Limited	04-Dec-18	yes	6.79	on mkt buy	AUD	ORD	4,585	4,585
BlackRock Investment Management (UK) Limited	04-Dec-18	yes	6.79	on mkt buy	AUD	ORD	5,661	5,661
BlackRock Financial Management, Inc.	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	21,003	21,003
BlackRock Financial Management, Inc.	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	8,011	8,011
BlackRock Institutional Trust Company, National Association	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	30,206	30,206
BlackRock Institutional Trust Company, National Association	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	3,441	3,441
BlackRock Financial Management, Inc.	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	5,574	5,574

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	12,225	12,225
BlackRock Institutional Trust Company, National Association	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	18,371	18,371
BlackRock Advisors (UK) Limited	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	9,265	9,265
BlackRock Advisors (UK) Limited	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	7,135	7,135
BlackRock Asset Management Canada Limited	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	3,635	3,635
BlackRock Institutional Trust Company, National Association	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	8,719	8,719
BlackRock Institutional Trust Company, National Association	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	6,735	6,735
BlackRock Advisors (UK) Limited	06-Dec-18	yes	6.80	on mkt buy	AUD	ORD	3,416	3,416
BlackRock Institutional Trust Company, National Association	06-Dec-18	yes	6.79	on mkt buy	AUD	ORD	3,566	3,566
BlackRock International Limited	06-Dec-18	yes	6.79	on mkt buy	AUD	ORD	7,726	7,726
BlackRock Institutional Trust Company, National Association	07-Dec-18	yes	6.77	on mkt buy	AUD	ORD	850	850
BlackRock Institutional Trust Company, National Association	07-Dec-18	yes	6.77	on mkt buy	AUD	ORD	1,364	1,364
BlackRock Institutional Trust Company, National Association	10-Dec-18	yes	6.65	on mkt buy	AUD	ORD	257	257
BlackRock Institutional Trust Company, National Association	10-Dec-18	yes	6.65	on mkt buy	AUD	ORD	252	252
BlackRock Investment Management (Australia) Limited	10-Dec-18	yes	6.60	on mkt buy	AUD	ORD	2,250	2,250
BlackRock Advisors (UK) Limited	10-Dec-18	yes	6.60	on mkt buy	AUD	ORD	455	455
BlackRock Fund Advisors	10-Dec-18	no	n/a	in specie	AUD	ORD	1,650	1,650
BlackRock Investment Management, LLC	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	2,228	2,228
BlackRock Investment Management, LLC	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	295	295
BlackRock Japan Co., Ltd.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	5,404	5,404
BlackRock Japan Co., Ltd.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	4,349	4,349
BlackRock Japan Co., Ltd.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	576	576
BlackRock Japan Co., Ltd.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	2,724	2,724
BlackRock Japan Co., Ltd.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	361	361
BlackRock Japan Co., Ltd.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	2,078	2,078
BlackRock Japan Co., Ltd.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	275	275
BlackRock Advisors, LLC	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	2,696	2,696
BlackRock Advisors, LLC	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	357	357
BlackRock Financial Management, Inc.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	12,730	12,730
BlackRock Financial Management, Inc.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	1,684	1,684
BlackRock Financial Management, Inc.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	4,830	4,830
BlackRock Financial Management, Inc.	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	639	639
BlackRock Institutional Trust Company, National Association	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	18,929	18,929
BlackRock Institutional Trust Company, National Association	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	2,504	2,504
BlackRock Investment Management, LLC	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	4,492	4,492
BlackRock Investment Management, LLC	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	595	595
BlackRock Institutional Trust Company, National Association	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	10,754	10,754
BlackRock Institutional Trust Company, National Association	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	1,423	1,423
BlackRock Advisors (UK) Limited	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	5,378	5,378
BlackRock Advisors (UK) Limited	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	711	711
BlackRock Advisors (UK) Limited	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	4,196	4,196
BlackRock Advisors (UK) Limited	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	556	556
BlackRock Investment Management (UK) Limited	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	4,565	4,565
BlackRock Investment Management (UK) Limited	11-Dec-18	yes	6.62	on mkt buy	AUD	ORD	605	605
BlackRock Investment Management (Australia) Limited	11-Dec-18	yes	6.63	on mkt buy	AUD	ORD	4,500	4,500
BlackRock Fund Advisors	11-Dec-18	no	n/a	in specie	AUD	ORD	12,108	12,108
BlackRock Fund Advisors	11-Dec-18	no	n/a	in specie	AUD	ORD	4,036	4,036
BlackRock Advisors (UK) Limited	12-Dec-18	yes	6.63	on mkt buy	AUD	ORD	455	455
BlackRock Institutional Trust Company, National Association	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	4,795	4,795
BlackRock Japan Co., Ltd.	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	4,230	4,230
BlackRock Institutional Trust Company, National Association	13-Dec-18	yes	6.75	on mkt buy	AUD	ORD	252	252
BlackRock Investment Management, LLC	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	3,125	3,125
BlackRock Japan Co., Ltd.	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	3,568	3,568
BlackRock Japan Co., Ltd.	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	2,243	2,243
BlackRock Japan Co., Ltd.	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	2,087	2,087
BlackRock Advisors, LLC	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	4,146	4,146

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors, LLC	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	3,130	3,130
BlackRock Financial Management, Inc.	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	14,911	14,911
BlackRock Financial Management, Inc.	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	5,343	5,343
BlackRock Institutional Trust Company, National Association	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	15,728	15,728
BlackRock Financial Management, Inc.	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	5,614	5,614
BlackRock Investment Management, LLC	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	5,217	5,217
BlackRock Institutional Trust Company, National Association	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	1,807	1,807
BlackRock Institutional Trust Company, National Association	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	10,370	10,370
BlackRock Institutional Trust Company, National Association	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	12,715	12,715
BlackRock Advisors (UK) Limited	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	5,855	5,855
BlackRock Advisors (UK) Limited	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	4,575	4,575
BlackRock Investment Management (UK) Limited	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	5,530	5,530
BlackRock Institutional Trust Company, National Association	13-Dec-18	yes	6.76	on mkt buy	AUD	ORD	7,185	7,185
BlackRock Institutional Trust Company, National Association	13-Dec-18	yes	6.75	on mkt buy	AUD	ORD	247	247
BlackRock Institutional Trust Company, National Association	13-Dec-18	yes	6.77	on mkt buy	AUD	ORD	3,276	3,276
BlackRock Advisors (UK) Limited	13-Dec-18	yes	6.75	on mkt buy	AUD	ORD	910	910
BlackRock Institutional Trust Company, National Association	17-Dec-18	yes	6.81	on mkt buy	AUD	ORD	9,571	9,571
BlackRock Fund Advisors	17-Dec-18	no	n/a	in specie	AUD	ORD	3,300	3,300
BlackRock Fund Advisors	17-Dec-18	no	n/a	in specie	AUD	ORD	8,072	8,072
BlackRock Institutional Trust Company, National Association	18-Dec-18	yes	6.64	on mkt buy	AUD	ORD	368	368
BlackRock Investment Management (Australia) Limited	18-Dec-18	yes	6.64	on mkt buy	AUD	ORD	4,877	4,877
BlackRock Japan Co., Ltd.	18-Dec-18	yes	6.65	on mkt buy	AUD	ORD	2,045	2,045
BlackRock Advisors (UK) Limited	18-Dec-18	yes	6.68	on mkt buy	AUD	ORD	455	455
BlackRock Investment Management (Australia) Limited	20-Dec-18	yes	6.57	on mkt buy	AUD	ORD	35,213	35,213
BlackRock (Netherlands) B.V.	20-Dec-18	yes	6.49	on mkt buy	AUD	ORD	2,021	2,021
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	6.45	on mkt buy	AUD	ORD	9,658	9,658
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	6.45	on mkt buy	AUD	ORD	11,456	11,456
BlackRock Fund Advisors	21-Dec-18	no	n/a	in specie	AUD	ORD	6,400	6,400
BlackRock Investment Management (Australia) Limited	27-Dec-18	yes	6.55	on mkt buy	AUD	ORD	41,217	41,217
BlackRock Investment Management (Australia) Limited	27-Dec-18	yes	6.55	on mkt buy	AUD	ORD	38,007	38,007
BlackRock Japan Co., Ltd.	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	5,427	5,427
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	4,781	4,781
BlackRock International Limited	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	5,764	5,764
BlackRock Investment Management (Australia) Limited	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	42,613	42,613
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	2,058	2,058
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	2,335	2,335
BlackRock Investment Management, LLC	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	2,555	2,555
BlackRock Advisors (UK) Limited	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	2,706	2,706
BlackRock Investment Management (Australia) Limited	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	22,620	22,620
BlackRock Japan Co., Ltd.	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	3,339	3,339
BlackRock Japan Co., Ltd.	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	1,966	1,966
BlackRock Japan Co., Ltd.	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	1,912	1,912
BlackRock Advisors, LLC	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	5,318	5,318
BlackRock Financial Management, Inc.	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	13,628	13,628
BlackRock Financial Management, Inc.	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	4,720	4,720
BlackRock Investment Management (UK) Limited	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	1,448	1,448
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	28,026	28,026
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	2,757	2,757
BlackRock Financial Management, Inc.	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	3,760	3,760
BlackRock Investment Management, LLC	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	4,614	4,614
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	11,200	11,200

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	3,229	3,229
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	12,315	12,315
BlackRock Advisors (UK) Limited	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	5,451	5,451
BlackRock Advisors (UK) Limited	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	4,194	4,194
BlackRock Investment Management (UK) Limited	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	3,780	3,780
BlackRock Asset Management Canada Limited	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	5,208	5,208
BlackRock Investment Management (UK) Limited	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	4,910	4,910
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	8,988	8,988
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	7,185	7,185
BlackRock Institutional Trust Company, National Association	03-Jan-19	yes	6.56	on mkt buy	AUD	ORD	1,183	1,183
BlackRock Advisors (UK) Limited	03-Jan-19	yes	6.54	on mkt buy	AUD	ORD	455	455
BlackRock Advisors (UK) Limited	03-Jan-19	yes	6.54	on mkt buy	AUD	ORD	910	910
BlackRock Advisors (UK) Limited	03-Jan-19	yes	6.54	on mkt buy	AUD	ORD	910	910
BlackRock Institutional Trust Company, National Association	04-Jan-19	yes	6.45	on mkt buy	AUD	ORD	568	568
BlackRock Institutional Trust Company, National Association	04-Jan-19	yes	6.45	on mkt buy	AUD	ORD	1,175	1,175
BlackRock Institutional Trust Company, National Association	04-Jan-19	yes	6.45	on mkt buy	AUD	ORD	16,825	16,825
BlackRock Fund Advisors	04-Jan-19	no	n/a	in specie	AUD	ORD	5,625	5,625
BlackRock Fund Advisors	04-Jan-19	no	n/a	in specie	AUD	ORD	5,979	5,979
BlackRock Fund Advisors	04-Jan-19	no	n/a	in specie	AUD	ORD	5,979	5,979
BlackRock Fund Advisors	04-Jan-19	no	n/a	in specie	AUD	ORD	3,300	3,300
BlackRock Institutional Trust Company, National Association	07-Jan-19	yes	6.53	on mkt buy	AUD	ORD	687	687
BlackRock Institutional Trust Company, National Association	07-Jan-19	yes	6.53	on mkt buy	AUD	ORD	1,074	1,074
BlackRock Investment Management (Australia) Limited	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	26,416	26,416
BlackRock Japan Co., Ltd.	08-Jan-19	yes	6.56	on mkt buy	AUD	ORD	10,210	10,210
BlackRock Institutional Trust Company, National Association	08-Jan-19	yes	6.54	on mkt buy	AUD	ORD	1,258	1,258
BlackRock Institutional Trust Company, National Association	08-Jan-19	yes	6.54	on mkt buy	AUD	ORD	1,329	1,329
BlackRock Financial Management, Inc.	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	3,225	3,225
BlackRock Investment Management, LLC	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	3,602	3,602
BlackRock Institutional Trust Company, National Association	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	7,603	7,603
BlackRock Advisors (UK) Limited	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	3,935	3,935
BlackRock Japan Co., Ltd.	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	3,436	3,436
BlackRock Japan Co., Ltd.	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	2,135	2,135
BlackRock Japan Co., Ltd.	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	1,919	1,919
BlackRock Advisors, LLC	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	6,968	6,968
BlackRock Advisors, LLC	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	2,621	2,621
BlackRock Asset Management Canada Limited	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	1,999	1,999
BlackRock Financial Management, Inc.	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	9,873	9,873
BlackRock Financial Management, Inc.	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	3,210	3,210
BlackRock International Limited	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	7,135	7,135
BlackRock Investment Management (UK) Limited	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	1,583	1,583
BlackRock Institutional Trust Company, National Association	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	33,770	33,770
BlackRock Institutional Trust Company, National Association	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	3,301	3,301
BlackRock Investment Management, LLC	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	4,069	4,069
BlackRock Institutional Trust Company, National Association	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	1,146	1,146
BlackRock Advisors, LLC	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	1,430	1,430
BlackRock Institutional Trust Company, National Association	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	15,392	15,392
BlackRock Institutional Trust Company, National Association	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	3,751	3,751
BlackRock Institutional Trust Company, National Association	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	8,734	8,734
BlackRock Advisors (UK) Limited	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	8,462	8,462
BlackRock Advisors (UK) Limited	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	6,620	6,620

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Asset Management Canada Limited	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	4,932	4,932
BlackRock Investment Management (UK) Limited	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	4,081	4,081
BlackRock Institutional Trust Company, National Association	08-Jan-19	yes	6.55	on mkt buy	AUD	ORD	10,041	10,041
BlackRock Fund Advisors	08-Jan-19	no	n/a	in specie	AUD	ORD	1,750	1,750
BlackRock Institutional Trust Company, National Association	09-Jan-19	yes	6.72	on mkt buy	AUD	ORD	525	525
BlackRock Institutional Trust Company, National Association	09-Jan-19	yes	6.72	on mkt buy	AUD	ORD	1,297	1,297
BlackRock Investment Management (Australia) Limited	10-Jan-19	yes	6.62	on mkt buy	AUD	ORD	19,215	19,215
BlackRock Fund Advisors	10-Jan-19	no	n/a	in specie	AUD	ORD	2,200	2,200
BlackRock Fund Advisors	10-Jan-19	no	n/a	in specie	AUD	ORD	11,958	11,958
BlackRock Institutional Trust Company, National Association	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	1,556	1,556
BlackRock Financial Management, Inc.	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	3,195	3,195
BlackRock Institutional Trust Company, National Association	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	8,378	8,378
BlackRock Advisors (UK) Limited	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	3,286	3,286
BlackRock Advisors, LLC	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	6,172	6,172
BlackRock Advisors, LLC	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	2,835	2,835
BlackRock Asset Management Canada Limited	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	1,879	1,879
BlackRock Financial Management, Inc.	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	7,790	7,790
BlackRock Financial Management, Inc.	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	2,458	2,458
BlackRock International Limited	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	10,424	10,424
BlackRock Institutional Trust Company, National Association	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	18,201	18,201
BlackRock Institutional Trust Company, National Association	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	1,650	1,650
BlackRock Financial Management, Inc.	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	2,872	2,872
BlackRock Advisors, LLC	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	1,459	1,459
BlackRock Institutional Trust Company, National Association	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	13,851	13,851
BlackRock Institutional Trust Company, National Association	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	3,656	3,656
BlackRock Institutional Trust Company, National Association	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	6,879	6,879
BlackRock Advisors (UK) Limited	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	6,290	6,290
BlackRock Advisors (UK) Limited	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	4,946	4,946
BlackRock Asset Management Canada Limited	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	4,770	4,770
BlackRock Institutional Trust Company, National Association	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	11,023	11,023
BlackRock Institutional Trust Company, National Association	14-Jan-19	yes	6.59	on mkt buy	AUD	ORD	4,663	4,663
BlackRock Institutional Trust Company, National Association	15-Jan-19	yes	6.60	on mkt buy	AUD	ORD	2,218	2,218
BlackRock Institutional Trust Company, National Association	15-Jan-19	yes	6.60	on mkt buy	AUD	ORD	3,723	3,723
BlackRock Investment Management (Australia) Limited	16-Jan-19	yes	6.65	on mkt buy	AUD	ORD	39,160	39,160
BlackRock Institutional Trust Company, National Association	16-Jan-19	no	n/a	in specie	AUD	ORD	50,152	50,152
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	3,773	3,773
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	4,527	4,527
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	3,644	3,644
BlackRock Advisors, LLC	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,908	1,908
BlackRock Financial Management, Inc.	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,975	1,975
BlackRock Investment Management, LLC	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,590	1,590
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,766	1,766
BlackRock Investment Management (UK) Limited	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,761	1,761
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,390	1,390
BlackRock Advisors (UK) Limited	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,309	1,309
BlackRock Investment Management (UK) Limited	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,210	1,210
BlackRock Asset Management Canada Limited	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,305	1,305

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,131	1,131
BlackRock Financial Management, Inc.	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	990	990
BlackRock Advisors (UK) Limited	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	1,014	1,014
BlackRock Financial Management, Inc.	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	668	668
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.63	on mkt buy	AUD	ORD	2,175	2,175
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	333	333
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	337	337
BlackRock Advisors (UK) Limited	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	629	629
BlackRock Japan Co., Ltd.	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	602	602
BlackRock Japan Co., Ltd.	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	354	354
BlackRock Japan Co., Ltd.	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	312	312
BlackRock Advisors, LLC	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	476	476
BlackRock Asset Management Canada Limited	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	346	346
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	422	422
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	429	429
BlackRock Advisors, LLC	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	395	395
BlackRock Investment Management (UK) Limited	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	289	289
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.63	on mkt buy	AUD	ORD	1,521	1,521
BlackRock Japan Co., Ltd.	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	179	179
BlackRock Investment Management (UK) Limited	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	205	205
BlackRock Investment Management (UK) Limited	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	179	179
BlackRock Financial Management, Inc.	16-Jan-19	yes	6.67	on mkt buy	AUD	ORD	275	275
BlackRock Japan Co., Ltd.	16-Jan-19	yes	6.66	on mkt buy	AUD	ORD	13,330	13,330
BlackRock Financial Management, Inc.	16-Jan-19	yes	6.66	on mkt buy	AUD	ORD	3,649	3,649
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	6.66	on mkt buy	AUD	ORD	9,358	9,358
BlackRock International Limited	16-Jan-19	yes	6.66	on mkt buy	AUD	ORD	10,952	10,952
BlackRock Investment Management (Australia) Limited	16-Jan-19	yes	6.69	on mkt buy	AUD	ORD	22,296	22,296
BlackRock Fund Advisors	16-Jan-19	no	n/a	in specie	AUD	ORD	5,120	5,120
BlackRock Institutional Trust Company, National Association	17-Jan-19	yes	6.67	on mkt buy	AUD	ORD	4,601	4,601
BlackRock Institutional Trust Company, National Association	17-Jan-19	yes	6.67	on mkt buy	AUD	ORD	5,585	5,585
BlackRock Investment Management (Australia) Limited	17-Jan-19	yes	6.65	on mkt buy	AUD	ORD	22,827	22,827
BlackRock Fund Advisors	17-Jan-19	no	n/a	in specie	AUD	ORD	1,500	1,500
BlackRock Financial Management, Inc.	18-Jan-19	yes	6.72	on mkt buy	AUD	ORD	4,251	4,251
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.72	on mkt buy	AUD	ORD	10,977	10,977
BlackRock International Limited	18-Jan-19	yes	6.72	on mkt buy	AUD	ORD	12,245	12,245
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.70	on mkt buy	AUD	ORD	3,785	3,785
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.70	on mkt buy	AUD	ORD	2,866	2,866
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	912	912
BlackRock Investment Management, LLC	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	922	922
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	878	878
BlackRock Advisors (UK) Limited	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,980	1,980
BlackRock Advisors, LLC	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	4,821	4,821
BlackRock Advisors, LLC	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,348	1,348
BlackRock Asset Management Canada Limited	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	982	982
BlackRock Financial Management, Inc.	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	5,683	5,683
BlackRock Financial Management, Inc.	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,967	1,967
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	13,232	13,232
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,112	1,112
BlackRock Financial Management, Inc.	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	3,220	3,220
BlackRock Advisors, LLC	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	991	991
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	10,916	10,916

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	2,860	2,860
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	5,093	5,093
BlackRock Advisors (UK) Limited	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	3,895	3,895
BlackRock Advisors (UK) Limited	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	3,069	3,069
BlackRock Financial Management, Inc.	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	757	757
BlackRock Asset Management Canada Limited	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	3,547	3,547
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	8,605	8,605
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	3,118	3,118
BlackRock Investment Management (UK) Limited	18-Jan-19	yes	6.71	on mkt buy	AUD	ORD	579	579
BlackRock Investment Management (Australia) Limited	18-Jan-19	yes	6.72	on mkt buy	AUD	ORD	17,752	17,752
BlackRock Institutional Trust Company, National Association	21-Jan-19	yes	6.79	on mkt buy	AUD	ORD	11,881	11,881
BlackRock Institutional Trust Company, National Association	21-Jan-19	yes	6.79	on mkt buy	AUD	ORD	8,684	8,684
BlackRock Financial Management, Inc.	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	3,657	3,657
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	10,745	10,745
BlackRock International Limited	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	10,836	10,836
BlackRock Japan Co., Ltd.	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	11,739	11,739
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.79	on mkt buy	AUD	ORD	2,575	2,575
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	823	823
BlackRock Investment Management, LLC	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	823	823
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	823	823
BlackRock Advisors (UK) Limited	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	1,899	1,899
BlackRock Japan Co., Ltd.	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	1,477	1,477
BlackRock Japan Co., Ltd.	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	844	844
BlackRock Japan Co., Ltd.	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	728	728
BlackRock Advisors, LLC	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	4,779	4,779
BlackRock Advisors, LLC	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	1,372	1,372
BlackRock Asset Management Canada Limited	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	876	876
BlackRock Financial Management, Inc.	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	5,591	5,591
BlackRock Financial Management, Inc.	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	1,899	1,899
BlackRock Investment Management (UK) Limited	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	517	517
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	11,776	11,776
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	991	991
BlackRock Financial Management, Inc.	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	3,289	3,289
BlackRock Investment Management, LLC	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	4,087	4,087
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	981	981
BlackRock Advisors, LLC	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	950	950
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	11,624	11,624
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	2,880	2,880
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	4,937	4,937
BlackRock Advisors (UK) Limited	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	3,576	3,576
BlackRock Advisors (UK) Limited	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	2,796	2,796
BlackRock Financial Management, Inc.	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	675	675
BlackRock Investment Management (UK) Limited	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	3,298	3,298
BlackRock Asset Management Canada Limited	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	3,323	3,323
BlackRock Investment Management (Australia) Limited	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	1,742	1,742
BlackRock Investment Management (UK) Limited	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	4,474	4,474
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	9,494	9,494
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	4,746	4,746
BlackRock Japan Co., Ltd.	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	480	480

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	23-Jan-19	yes	6.80	on mkt buy	AUD	ORD	4,838	4,838
BlackRock Institutional Trust Company, National Association	24-Jan-19	yes	6.73	on mkt buy	AUD	ORD	15,253	15,253
BlackRock Financial Management, Inc.	24-Jan-19	yes	6.73	on mkt buy	AUD	ORD	15,487	15,487
BlackRock Advisors, LLC	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	101	101
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	127	127
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	210	210
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	236	236
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	112	112
BlackRock Asset Management Canada Limited	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	75	75
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	166	166
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	107	107
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.74	on mkt buy	AUD	ORD	1,457	1,457
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.74	on mkt buy	AUD	ORD	1,989	1,989
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	19	19
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	19	19
BlackRock Advisors (UK) Limited	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	43	43
BlackRock Advisors, LLC	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	29	29
BlackRock Asset Management Canada Limited	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	20	20
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	43	43
BlackRock Investment Management (UK) Limited	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	12	12
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	22	22
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	69	69
BlackRock Advisors, LLC	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	22	22
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	59	59
BlackRock Advisors (UK) Limited	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	57	57
BlackRock Advisors (UK) Limited	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	46	46
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.72	on mkt buy	AUD	ORD	15	15
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	3,734	3,734
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	10,180	10,180
BlackRock International Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	11,063	11,063
BlackRock Investment Management (Australia) Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	2,700	2,700
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	6,031	6,031
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	8,225	8,225
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	2,376	2,376
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	2,376	2,376
BlackRock Advisors (UK) Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	5,461	5,461
BlackRock Advisors, LLC	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	12,922	12,922
BlackRock Advisors, LLC	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	3,747	3,747
BlackRock Asset Management Canada Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	2,529	2,529
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	16,137	16,137
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	5,482	5,482
BlackRock Investment Management (UK) Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	1,493	1,493
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	26,775	26,775
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	2,864	2,864
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	8,843	8,843
BlackRock Advisors, LLC	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	2,742	2,742
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	30,000	30,000
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	7,548	7,548

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	14,249	14,249
BlackRock Advisors (UK) Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	7,291	7,291
BlackRock Advisors (UK) Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	5,879	5,879
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	1,950	1,950
BlackRock Asset Management Canada Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	9,591	9,591
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	21,211	21,211
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	13,571	13,571
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	3,052	3,052
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	4,163	4,163
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	1,201	1,201
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	1,201	1,201
BlackRock Advisors (UK) Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	2,762	2,762
BlackRock Advisors, LLC	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	6,539	6,539
BlackRock Advisors, LLC	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	1,895	1,895
BlackRock Asset Management Canada Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	1,277	1,277
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	8,166	8,166
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	2,772	2,772
BlackRock Investment Management (UK) Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	754	754
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	13,547	13,547
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	1,447	1,447
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	4,476	4,476
BlackRock Advisors, LLC	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	1,385	1,385
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	15,180	15,180
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	3,818	3,818
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	7,211	7,211
BlackRock Advisors (UK) Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	3,688	3,688
BlackRock Advisors (UK) Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	2,975	2,975
BlackRock Financial Management, Inc.	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	985	985
BlackRock Asset Management Canada Limited	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	4,854	4,854
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	10,733	10,733
BlackRock Institutional Trust Company, National Association	25-Jan-19	yes	6.68	on mkt buy	AUD	ORD	6,868	6,868
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	2,604	2,604
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	3,810	3,810
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,040	1,040
BlackRock Financial Management, Inc.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	3,873	3,873
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	8,867	8,867
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,150	1,150
BlackRock Advisors (UK) Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	2,513	2,513
BlackRock Investment Management (Australia) Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	14,993	14,993
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	2,063	2,063
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	858	858
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	994	994
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,179	1,179
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,017	1,017
BlackRock Advisors, LLC	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	6,673	6,673
BlackRock Advisors, LLC	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,645	1,645
BlackRock Asset Management Canada Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,135	1,135
BlackRock Financial Management, Inc.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	7,808	7,808
BlackRock Financial Management, Inc.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	2,652	2,652
BlackRock International Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	9,345	9,345

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (UK) Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	719	719
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	16,486	16,486
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,385	1,385
BlackRock Financial Management, Inc.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	4,765	4,765
BlackRock Investment Management, LLC	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	9,350	9,350
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	2,211	2,211
BlackRock Advisors, LLC	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	1,327	1,327
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	16,235	16,235
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	4,021	4,021
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	6,894	6,894
BlackRock Investment Management (UK) Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	973	973
BlackRock Advisors (UK) Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	4,994	4,994
BlackRock Advisors (UK) Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	3,904	3,904
BlackRock Financial Management, Inc.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	943	943
BlackRock Investment Management (UK) Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	7,082	7,082
BlackRock Asset Management Canada Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	4,641	4,641
BlackRock Investment Management (UK) Limited	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	10,075	10,075
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	13,259	13,259
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	7,513	7,513
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.71	on mkt buy	AUD	ORD	12,432	12,432
BlackRock Investment Management (Australia) Limited	29-Jan-19	yes	6.75	on mkt buy	AUD	ORD	7,200	7,200
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	3,128	3,128
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	4,576	4,576
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,248	1,248
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,380	1,380
BlackRock Advisors (UK) Limited	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	3,018	3,018
BlackRock Investment Management (Australia) Limited	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	18,012	18,012
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	2,477	2,477
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,029	1,029
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,192	1,192
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,415	1,415
BlackRock Japan Co., Ltd.	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,220	1,220
BlackRock Advisors, LLC	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	8,018	8,018
BlackRock Advisors, LLC	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,975	1,975
BlackRock Asset Management Canada Limited	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,361	1,361
BlackRock Financial Management, Inc.	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	9,381	9,381
BlackRock Financial Management, Inc.	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	3,185	3,185
BlackRock Investment Management (UK) Limited	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	866	866
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	19,803	19,803
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,663	1,663
BlackRock Financial Management, Inc.	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	5,725	5,725
BlackRock Investment Management, LLC	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	11,234	11,234
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	2,654	2,654
BlackRock Advisors, LLC	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,592	1,592
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	19,503	19,503
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	4,833	4,833
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	8,283	8,283
BlackRock Investment Management (UK) Limited	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,167	1,167

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Advisors (UK) Limited	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	6,000	6,000
BlackRock Advisors (UK) Limited	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	4,691	4,691
BlackRock Financial Management, Inc.	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	1,132	1,132
BlackRock Investment Management (UK) Limited	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	8,509	8,509
BlackRock Asset Management Canada Limited	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	5,575	5,575
BlackRock Investment Management (UK) Limited	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	12,103	12,103
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	15,928	15,928
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	6.65	on mkt buy	AUD	ORD	9,027	9,027
BlackRock Institutional Trust Company, National Association	30-Jan-19	yes	6.76	on mkt buy	AUD	ORD	1,449	1,449
BlackRock Institutional Trust Company, National Association	30-Jan-19	yes	6.76	on mkt buy	AUD	ORD	5,604	5,604
BlackRock Investment Management (Australia) Limited	30-Jan-19	yes	6.76	on mkt buy	AUD	ORD	11,630	11,630
BlackRock Advisors (UK) Limited	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	4,665	4,665
BlackRock Investment Management (Australia) Limited	31-Jan-19	yes	6.84	on mkt buy	AUD	ORD	6,532	6,532
BlackRock Advisors, LLC	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	13,385	13,385
BlackRock Advisors, LLC	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	3,315	3,315
BlackRock Financial Management, Inc.	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	13,549	13,549
BlackRock Financial Management, Inc.	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	4,477	4,477
BlackRock Financial Management, Inc.	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	6,270	6,270
BlackRock Advisors, LLC	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	2,642	2,642
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	28,366	28,366
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	11,109	11,109
BlackRock Advisors (UK) Limited	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	11,033	11,033
BlackRock Advisors (UK) Limited	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	8,501	8,501
BlackRock Asset Management Canada Limited	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	11,060	11,060
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	20,346	20,346
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	9,804	9,804
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.84	on mkt buy	AUD	ORD	1,925	1,925
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.84	on mkt buy	AUD	ORD	1,796	1,796
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	2,341	2,341
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	2,112	2,112
BlackRock Asset Management Canada Limited	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	2,364	2,364
BlackRock Investment Management (UK) Limited	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	1,619	1,619
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.86	on mkt buy	AUD	ORD	2,219	2,219
BlackRock Financial Management, Inc.	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	3,861	3,861
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	7,885	7,885
BlackRock International Limited	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	9,514	9,514
BlackRock Investment Management, LLC	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	15,383	15,383
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	585	585
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	546	546
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	1,042	1,042
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	941	941
BlackRock Advisors (UK) Limited	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	2,078	2,078
BlackRock Investment Management (Australia) Limited	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	1,984	1,984
BlackRock Advisors, LLC	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	5,964	5,964
BlackRock Advisors, LLC	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	1,477	1,477
BlackRock Asset Management Canada Limited	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	1,053	1,053
BlackRock Financial Management, Inc.	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	6,036	6,036
BlackRock Financial Management, Inc.	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	1,996	1,996

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (UK) Limited	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	721	721
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	989	989
BlackRock Financial Management, Inc.	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	2,794	2,794
BlackRock Advisors, LLC	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	1,177	1,177
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	12,638	12,638
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	4,948	4,948
BlackRock Advisors (UK) Limited	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	4,914	4,914
BlackRock Advisors (UK) Limited	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	3,787	3,787
BlackRock Asset Management Canada Limited	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	4,927	4,927
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	9,065	9,065
BlackRock Institutional Trust Company, National Association	31-Jan-19	yes	6.85	on mkt buy	AUD	ORD	4,368	4,368
BlackRock Institutional Trust Company, National Association	01-Feb-19	yes	6.82	on mkt buy	AUD	ORD	976	976
BlackRock Institutional Trust Company, National Association	01-Feb-19	yes	6.82	on mkt buy	AUD	ORD	2,783	2,783
BlackRock Advisors (UK) Limited	01-Feb-19	yes	6.81	on mkt buy	AUD	ORD	455	455
BlackRock Institutional Trust Company, National Association	01-Feb-19	yes	6.81	on mkt buy	AUD	ORD	11,967	11,967
BlackRock Institutional Trust Company, National Association	04-Feb-19	yes	6.76	on mkt buy	AUD	ORD	757	757
BlackRock Institutional Trust Company, National Association	04-Feb-19	yes	6.76	on mkt buy	AUD	ORD	1,645	1,645
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.90	on mkt buy	AUD	ORD	3,342	3,342
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.84	on mkt buy	AUD	ORD	264	264
BlackRock Investment Management, LLC	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	383	383
BlackRock Japan Co., Ltd.	05-Feb-19	yes	6.90	on mkt buy	AUD	ORD	7,058	7,058
BlackRock Advisors, LLC	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	1,439	1,439
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	2,600	2,600
BlackRock Investment Management, LLC	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	2,221	2,221
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	275	275
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	3,678	3,678
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	1,077	1,077
BlackRock Investment Management (UK) Limited	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	553	553
BlackRock Investment Management (UK) Limited	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	1,288	1,288
BlackRock Asset Management Canada Limited	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	1,338	1,338
BlackRock Investment Management (UK) Limited	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	1,855	1,855
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.87	on mkt buy	AUD	ORD	2,948	2,948
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	465	465
BlackRock Investment Management, LLC	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	1,881	1,881
BlackRock Advisors, LLC	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	7,063	7,063
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	12,759	12,759
BlackRock Investment Management, LLC	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	10,900	10,900
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	1,352	1,352
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	18,041	18,041
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	5,283	5,283
BlackRock Investment Management (UK) Limited	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	2,713	2,713
BlackRock Investment Management (UK) Limited	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	6,321	6,321
BlackRock Asset Management Canada Limited	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	6,566	6,566
BlackRock Investment Management (UK) Limited	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	9,101	9,101

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	05-Feb-19	yes	6.91	on mkt buy	AUD	ORD	14,461	14,461
BlackRock Institutional Trust Company, National Association	06-Feb-19	yes	6.91	on mkt buy	AUD	ORD	56	56
BlackRock Institutional Trust Company, National Association	06-Feb-19	yes	6.91	on mkt buy	AUD	ORD	136	136
BlackRock Institutional Trust Company, National Association	06-Feb-19	yes	6.92	on mkt buy	AUD	ORD	322	322
BlackRock Institutional Trust Company, National Association	06-Feb-19	yes	6.92	on mkt buy	AUD	ORD	783	783
BlackRock Investment Management (Australia) Limited	06-Feb-19	yes	6.92	on mkt buy	AUD	ORD	836	836
BlackRock Investment Management (Australia) Limited	06-Feb-19	yes	6.92	on mkt buy	AUD	ORD	3,110	3,110
BlackRock Investment Management (Australia) Limited	06-Feb-19	yes	6.92	on mkt buy	AUD	ORD	7,244	7,244
BlackRock Investment Management (Australia) Limited	06-Feb-19	yes	6.89	on mkt buy	AUD	ORD	1,464	1,464
BlackRock Advisors, LLC	07-Feb-19	yes	6.93	on mkt buy	AUD	ORD	11,626	11,626
BlackRock Financial Management, Inc.	07-Feb-19	yes	6.93	on mkt buy	AUD	ORD	5,145	5,145
BlackRock Institutional Trust Company, National Association	07-Feb-19	yes	6.93	on mkt buy	AUD	ORD	25,471	25,471
BlackRock Institutional Trust Company, National Association	07-Feb-19	yes	6.93	on mkt buy	AUD	ORD	7,789	7,789
BlackRock Asset Management Canada Limited	07-Feb-19	yes	6.93	on mkt buy	AUD	ORD	9,139	9,139
BlackRock Institutional Trust Company, National Association	07-Feb-19	yes	6.93	on mkt buy	AUD	ORD	15,508	15,508
BlackRock Advisors, LLC	07-Feb-19	yes	6.93	on mkt buy	AUD	ORD	2,568	2,568
BlackRock Institutional Trust Company, National Association	07-Feb-19	yes	6.93	on mkt buy	AUD	ORD	1,596	1,596
BlackRock International Limited	07-Feb-19	yes	6.93	on mkt buy	AUD	ORD	5,902	5,902
BlackRock Investment Management (Australia) Limited	07-Feb-19	yes	6.93	on mkt buy	AUD	ORD	1,464	1,464
BlackRock Institutional Trust Company, National Association	08-Feb-19	yes	6.94	on mkt buy	AUD	ORD	960	960
BlackRock Institutional Trust Company, National Association	11-Feb-19	yes	7.02	on mkt buy	AUD	ORD	249	249
BlackRock Institutional Trust Company, National Association	11-Feb-19	yes	7.02	on mkt buy	AUD	ORD	1,496	1,496
BlackRock Advisors (UK) Limited	11-Feb-19	yes	7.02	on mkt buy	AUD	ORD	455	455
BlackRock Investment Management (UK) Limited	11-Feb-19	yes	7.02	on mkt buy	AUD	ORD	23,396	23,396
BlackRock Investment Management (Australia) Limited	12-Feb-19	yes	7.08	on mkt buy	AUD	ORD	24,492	24,492
BlackRock Advisors, LLC	12-Feb-19	yes	7.08	on mkt buy	AUD	ORD	7,625	7,625
BlackRock Institutional Trust Company, National Association	12-Feb-19	yes	7.08	on mkt buy	AUD	ORD	22,361	22,361
BlackRock Institutional Trust Company, National Association	12-Feb-19	yes	7.08	on mkt buy	AUD	ORD	5,228	5,228
BlackRock Asset Management Canada Limited	12-Feb-19	yes	7.08	on mkt buy	AUD	ORD	7,263	7,263
BlackRock Institutional Trust Company, National Association	12-Feb-19	yes	7.08	on mkt buy	AUD	ORD	11,220	11,220
BlackRock Fund Advisors	12-Feb-19	no	n/a	in specie	AUD	ORD	4,400	4,400
BlackRock Investment Management (Australia) Limited	13-Feb-19	yes	7.02	on mkt buy	AUD	ORD	44,791	44,791
BlackRock Investment Management (Australia) Limited	13-Feb-19	yes	7.02	on mkt buy	AUD	ORD	38,200	38,200
BlackRock Investment Management (Australia) Limited	13-Feb-19	yes	7.02	on mkt buy	AUD	ORD	5,905	5,905
BlackRock Investment Management (Australia) Limited	13-Feb-19	yes	7.02	on mkt buy	AUD	ORD	28,402	28,402
BlackRock Investment Management (Australia) Limited	13-Feb-19	yes	7.02	on mkt buy	AUD	ORD	19,336	19,336
BlackRock Institutional Trust Company, National Association	13-Feb-19	yes	7.04	on mkt buy	AUD	ORD	843	843
BlackRock Investment Management (Australia) Limited	13-Feb-19	yes	7.02	on mkt buy	AUD	ORD	15,836	15,836
BlackRock Investment Management (Australia) Limited	13-Feb-19	yes	7.02	on mkt buy	AUD	ORD	9,208	9,208
BlackRock Investment Management (Australia) Limited	14-Feb-19	yes	7.09	on mkt buy	AUD	ORD	33,359	33,359
BlackRock Institutional Trust Company, National Association	14-Feb-19	yes	7.09	on mkt buy	AUD	ORD	12,839	12,839

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	14-Feb-19	yes	7.09	on mkt buy	AUD	ORD	1,727	1,727
BlackRock Institutional Trust Company, National Association	14-Feb-19	yes	7.09	on mkt buy	AUD	ORD	1,233	1,233
BlackRock Financial Management, Inc.	14-Feb-19	yes	7.09	on mkt buy	AUD	ORD	1,092	1,092
BlackRock Institutional Trust Company, National Association	14-Feb-19	yes	7.09	on mkt buy	AUD	ORD	6,435	6,435
BlackRock Institutional Trust Company, National Association	14-Feb-19	yes	7.11	on mkt buy	AUD	ORD	972	972
BlackRock Institutional Trust Company, National Association	14-Feb-19	yes	7.11	on mkt buy	AUD	ORD	695	695
BlackRock Investment Management (Australia) Limited	14-Feb-19	yes	7.11	on mkt buy	AUD	ORD	18,803	18,803
BlackRock Institutional Trust Company, National Association	14-Feb-19	yes	7.11	on mkt buy	AUD	ORD	7,237	7,237
BlackRock Financial Management, Inc.	14-Feb-19	yes	7.11	on mkt buy	AUD	ORD	615	615
BlackRock Institutional Trust Company, National Association	14-Feb-19	yes	7.11	on mkt buy	AUD	ORD	3,628	3,628
BlackRock Advisors, LLC	14-Feb-19	yes	7.09	on mkt buy	AUD	ORD	9,094	9,094
BlackRock Institutional Trust Company, National Association	14-Feb-19	yes	7.09	on mkt buy	AUD	ORD	5,926	5,926
BlackRock Asset Management Canada Limited	14-Feb-19	yes	7.09	on mkt buy	AUD	ORD	7,089	7,089
BlackRock Institutional Trust Company, National Association	15-Feb-19	yes	7.03	on mkt buy	AUD	ORD	4,865	4,865
BlackRock Institutional Trust Company, National Association	18-Feb-19	yes	7.17	on mkt buy	AUD	ORD	1,986	1,986
BlackRock Advisors (UK) Limited	19-Feb-19	yes	7.09	on mkt buy	AUD	ORD	4,550	4,550
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	5,434	5,434
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	19,410	19,410
BlackRock Advisors, LLC	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	5,192	5,192
BlackRock Investment Management, LLC	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	3,702	3,702
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	12,008	12,008
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	25,704	25,704
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	16,644	16,644
BlackRock Asset Management Canada Limited	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	3,456	3,456
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	10,976	10,976
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	22,193	22,193
BlackRock Investment Management (UK) Limited	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	3,935	3,935
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	6,967	6,967
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	3,106	3,106
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	3,336	3,336
BlackRock Investment Management (UK) Limited	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	2,623	2,623
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	3,183	3,183
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.15	on mkt buy	AUD	ORD	1,519	1,519
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	1,405	1,405
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	780	780
BlackRock Advisors, LLC	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	1,152	1,152
BlackRock Financial Management, Inc.	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	1,070	1,070
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.17	on mkt buy	AUD	ORD	151	151
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	378	378
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	423	423
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	43	43
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	1,503	1,503

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected	
			Cash	Non-cash	CCY			
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	5,366	5,366
BlackRock Advisors, LLC	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	1,560	1,560
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	859	859
BlackRock Investment Management, LLC	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	1,113	1,113
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	235	235
BlackRock Advisors, LLC	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	347	347
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	3,609	3,609
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	1,003	1,003
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	7,106	7,106
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	4,602	4,602
BlackRock Financial Management, Inc.	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	322	322
BlackRock Investment Management (UK) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	788	788
BlackRock Asset Management Canada Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	1,039	1,039
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	3,035	3,035
BlackRock Investment Management (Australia) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	6,135	6,135
BlackRock Investment Management (UK) Limited	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	1,183	1,183
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	2,094	2,094
BlackRock Institutional Trust Company, National Association	20-Feb-19	yes	7.16	on mkt buy	AUD	ORD	957	957
BlackRock Advisors (UK) Limited	20-Feb-19	yes	7.18	on mkt buy	AUD	ORD	455	455
BlackRock Investment Management, LLC	20-Feb-19	yes	7.18	on mkt buy	AUD	ORD	13,549	13,549
BlackRock Institutional Trust Company, National Association	21-Feb-19	yes	7.16	on mkt buy	AUD	ORD	725	725
BlackRock Institutional Trust Company, National Association	21-Feb-19	yes	7.16	on mkt buy	AUD	ORD	3,358	3,358
BlackRock Investment Management (Australia) Limited	21-Feb-19	yes	7.16	on mkt buy	AUD	ORD	9,906	9,906
BlackRock Institutional Trust Company, National Association	21-Feb-19	yes	7.16	on mkt buy	AUD	ORD	33,860	33,860

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

	25-Feb-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)