

Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme ORIGIN ENERGY LIMITED

ACN/ARSN 000 051 696

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 13 / 11 / 2018

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	88,414,413	88,414,413	5.02

3. Details of relevant interests

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

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

4. Details of present registered holders

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

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

5. Consideration

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

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

6. Associates

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

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

7. Addresses

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

Name	Address
see Annexure C	

Signature

print name Maria Tricarico

capacity Authorised Signatory*

sign here

date 15 / 11 / 2018

* 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.

15-Nov-18

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.	JPM-JP MORGAN CHASE - NEW YORK		ORD 87,199	87,199	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	KAS-KAS BANK - AMSTERDAM		ORD 20,800	20,800	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 234,809	234,809	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SINGAPORE		ORD 25,639	25,639	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 2,853,357	2,853,357	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM - J.P. Morgan Zurich		ORD 124,818	124,818	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 1,243,194	1,243,194	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD 412,573	412,573	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 Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	RBC-DEXIA BIL- LONDON		ORD 191,721	191,721	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 5,276,937	5,276,937	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 35,293	35,293	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 23,388	23,388	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD 1,252,642	1,252,642	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ORD 8,134	8,134	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	RBC-ROYAL TRUST - TORONTO		ORD 6,353	6,353	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 12,804	12,804	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 949,840	949,840	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 6,788	6,788	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 6,785	6,785	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 2,456	2,456	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 51,682	51,682	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 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 61,583	61,583	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 234,503	234,503	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD 329,076	329,076	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 4,322	4,322	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK & TRUST TORONTO		ORD 13,710	13,710	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 26,134	26,134	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 240,344	240,344	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD 85,457	85,457	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 23,662,895	23,662,895	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 1,342,657	1,342,657	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 22,562,504	22,562,504	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 680,214	680,214	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 23,496	23,496	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB BOSTON INSTITUTIONAL		ORD 100,404	100,404	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.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 1,443,612	1,443,612	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD 166,714	166,714	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 37,939	37,939	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 26,810	26,810	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 55,505	55,505	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD 620,914	620,914	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC SYDNEY		ORD 1,362,184	1,362,184	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 218,507	218,507	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 4,099,156	4,099,156	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 1,355,671	1,355,671	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	AP7		ORD 617,709	617,709	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNP PARIBAS LON		ORD 94,613	94,613	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.	BNP PARIBAS LUX		ORD 11,639	11,639	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNP-BNP Paribas Milan		ORD 47,320	47,320	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 781,023	781,023	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ORD 1,169,519	1,169,519	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 768,934	768,934	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.	CREDIT SUISSE (ZURICH)		ORD 38,985	38,985	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 1,300,414	1,300,414	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 64,205	64,205	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	KAS-KAS BANK - AMSTERDAM		ORD 198,659	198,659	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ORD 1,551,622	1,551,622	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD 87,958	87,958	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 434,332	434,332	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, GERMANY		ORD 117,035	117,035	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-STATE STREET LONDON		ORD 491,465	491,465	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD 1,033,094	1,033,094	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 1,105,326	1,105,326	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.	UNION BANK		ORD 10,455	10,455	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	USB-US BANK		ORD 52,884	52,884	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 29,081	29,081	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 1,233,068	1,233,068	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ORD 24,839	24,839	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 93,111	93,111	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD 888,139	888,139	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 660,784	660,784	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 3,926,677	3,926,677	subsidiary of BlackRock Inc.

This is Annexure B of 12 pages referred to in form 603 Notice of initial substantial shareholder

15-Nov-18

Maria Tricarico,
Authorised Signatory

Date

5. Consideration

ORIGIN ENERGY LTD (ORG)								
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	16-Jul-18	yes	9.73	on mkt buy	AUD	ORD	4,592	4,592
BlackRock Advisors (UK) Limited	16-Jul-18	yes	9.61	on mkt buy	AUD	ORD	602	602
BlackRock Financial Management, Inc.	16-Jul-18	no	n/a	collateral transfer	AUD	ORD	19	19
BlackRock Investment Management, LLC	16-Jul-18	no	n/a	collateral transfer	AUD	ORD	66,351	66,351
BlackRock Investment Management (UK) Limited	16-Jul-18	no	n/a	collateral transfer	AUD	ORD	92,924	92,924
BlackRock Asset Management North Asia Limited	16-Jul-18	no	n/a	collateral transfer	AUD	ORD	53,281	53,281
BlackRock Advisors, LLC	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	6,809	6,809
BlackRock Institutional Trust Company, National Association	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	303	303
BlackRock Advisors, LLC	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	39	39
BlackRock Advisors, LLC	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	2,009	2,009
BlackRock Investment Management, LLC	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	79	79
BlackRock Investment Management, LLC	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	766	766
BlackRock Investment Management, LLC	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	116	116
BlackRock Investment Management, LLC	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	3,421	3,421
BlackRock Investment Management (Australia) Limited	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	135	135
BlackRock Investment Management, LLC	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	238	238
BlackRock Investment Management, LLC	17-Jul-18	yes	9.48	on mkt buy	AUD	ORD	371	371
BlackRock Fund Advisors	17-Jul-18	yes	9.41	on mkt buy	AUD	ORD	9,761	9,761
BlackRock Advisors, LLC	17-Jul-18	yes	9.41	on mkt buy	AUD	ORD	80,064	80,064
BlackRock Fund Advisors	17-Jul-18	no	n/a	in specie	AUD	ORD	862	862
BlackRock Japan Co., Ltd.	17-Jul-18	no	n/a	collateral transfer	AUD	ORD	1,225,675	1,225,675
BlackRock Investment Management, LLC	17-Jul-18	no	n/a	collateral transfer	AUD	ORD	3,407	3,407
BlackRock Investment Management (UK) Limited	17-Jul-18	no	n/a	collateral transfer	AUD	ORD	975	975
BlackRock Financial Management, Inc.	18-Jul-18	yes	9.36	on mkt buy	AUD	ORD	2,001	2,001
BlackRock Institutional Trust Company, National Association	18-Jul-18	yes	9.36	on mkt buy	AUD	ORD	16,433	16,433
BlackRock Japan Co., Ltd.	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	25,904	25,904
BlackRock Advisors (UK) Limited	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	10	10
BlackRock Financial Management, Inc.	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	758,768	758,768
BlackRock Investment Management, LLC	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	917,026	917,026
BlackRock Investment Management (UK) Limited	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	160,196	160,196
BlackRock Asset Management North Asia Limited	18-Jul-18	no	n/a	collateral transfer	AUD	ORD	28,405	28,405
BlackRock Fund Advisors	19-Jul-18	yes	9.32	on mkt buy	AUD	ORD	14,065	14,065
BlackRock Japan Co., Ltd.	19-Jul-18	no	n/a	collateral transfer	AUD	ORD	2,310	2,310
BlackRock Advisors (UK) Limited	19-Jul-18	no	n/a	collateral transfer	AUD	ORD	25,937	25,937
BlackRock Asset Management North Asia Limited	19-Jul-18	no	n/a	collateral transfer	AUD	ORD	39,423	39,423
BlackRock Investment Management, LLC	20-Jul-18	yes	9.44	on mkt buy	AUD	ORD	1,461	1,461
BlackRock Institutional Trust Company, National Association	20-Jul-18	yes	9.44	on mkt buy	AUD	ORD	22,492	22,492
BlackRock Advisors (UK) Limited	20-Jul-18	yes	9.45	on mkt buy	AUD	ORD	3,773	3,773
BlackRock Advisors (UK) Limited	20-Jul-18	yes	9.45	on mkt buy	AUD	ORD	391	391
BlackRock Advisors (UK) Limited	20-Jul-18	yes	9.45	on mkt buy	AUD	ORD	1,197	1,197
BlackRock Japan Co., Ltd.	20-Jul-18	no	n/a	collateral transfer	AUD	ORD	4,673	4,673

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			Cash	Non-cash	CCY		
BlackRock Financial Management, Inc.	20-Jul-18	no	n/a	collateral transfer	AUD	ORD 722,152	722,152
BlackRock Investment Management, LLC	20-Jul-18	no	n/a	collateral transfer	AUD	ORD 890,040	890,040
BlackRock Investment Management (UK) Limited	20-Jul-18	no	n/a	collateral transfer	AUD	ORD 108,522	108,522
BlackRock Advisors (UK) Limited	23-Jul-18	yes	9.43	on mkt buy	AUD	ORD 1,203	1,203
BlackRock Advisors (UK) Limited	23-Jul-18	yes	9.43	on mkt buy	AUD	ORD 7,762	7,762
BlackRock Investment Management (Australia) Limited	23-Jul-18	yes	9.43	on mkt buy	AUD	ORD 32,711	32,711
BlackRock Advisors (UK) Limited	23-Jul-18	no	n/a	collateral transfer	AUD	ORD 261,002	261,002
BlackRock Asset Management North Asia Limited	23-Jul-18	no	n/a	collateral transfer	AUD	ORD 1,881	1,881
BlackRock Advisors, LLC	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 8,686	8,686
BlackRock Institutional Trust Company, National Association	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 389	389
BlackRock Advisors, LLC	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 50	50
BlackRock Advisors, LLC	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 2,563	2,563
BlackRock Investment Management, LLC	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 101	101
BlackRock Investment Management, LLC	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 978	978
BlackRock Investment Management, LLC	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 148	148
BlackRock Investment Management, LLC	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 4,344	4,344
BlackRock Investment Management (Australia) Limited	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 173	173
BlackRock Investment Management, LLC	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 301	301
BlackRock Investment Management, LLC	24-Jul-18	yes	9.43	on mkt buy	AUD	ORD 475	475
BlackRock Advisors (UK) Limited	24-Jul-18	yes	9.39	on mkt buy	AUD	ORD 3,773	3,773
BlackRock Investment Management (Australia) Limited	24-Jul-18	yes	9.39	on mkt buy	AUD	ORD 18,443	18,443
BlackRock Advisors, LLC	24-Jul-18	no	n/a	collateral transfer	AUD	ORD 25,396	25,396
BlackRock Japan Co., Ltd.	24-Jul-18	no	n/a	collateral transfer	AUD	ORD 39,559	39,559
BlackRock Advisors (UK) Limited	24-Jul-18	no	n/a	collateral transfer	AUD	ORD 21	21
BlackRock Financial Management, Inc.	24-Jul-18	no	n/a	collateral transfer	AUD	ORD 112,850	112,850
BlackRock Investment Management, LLC	24-Jul-18	no	n/a	collateral transfer	AUD	ORD 296,222	296,222
BlackRock Investment Management (UK) Limited	24-Jul-18	no	n/a	collateral transfer	AUD	ORD 1,230,238	1,230,238
BlackRock Asset Management North Asia Limited	24-Jul-18	no	n/a	collateral transfer	AUD	ORD 31,472	31,472
BlackRock Investment Management, LLC	25-Jul-18	yes	9.48	on mkt buy	AUD	ORD 2,011	2,011
BlackRock Institutional Trust Company, National Association	25-Jul-18	yes	9.48	on mkt buy	AUD	ORD 18,776	18,776
BlackRock Fund Advisors	25-Jul-18	no	n/a	in specie	AUD	ORD 1,483	1,483
BlackRock Advisors (UK) Limited	26-Jul-18	no	n/a	collateral transfer	AUD	ORD 1,651,000	1,651,000
BlackRock Investment Management, LLC	26-Jul-18	no	n/a	collateral transfer	AUD	ORD 2,761	2,761
BlackRock Advisors (UK) Limited	27-Jul-18	yes	9.59	on mkt buy	AUD	ORD 15,612	15,612
BlackRock Advisors (UK) Limited	27-Jul-18	yes	9.59	on mkt buy	AUD	ORD 3,684	3,684
BlackRock Advisors (UK) Limited	27-Jul-18	yes	9.59	on mkt buy	AUD	ORD 2,807	2,807
BlackRock Fund Advisors	27-Jul-18	yes	9.59	on mkt buy	AUD	ORD 50,803	50,803
BlackRock Institutional Trust Company, National Association	27-Jul-18	yes	9.59	on mkt buy	AUD	ORD 32,784	32,784
BlackRock Financial Management, Inc.	27-Jul-18	no	n/a	collateral transfer	AUD	ORD 523,457	523,457
BlackRock Investment Management, LLC	27-Jul-18	no	n/a	collateral transfer	AUD	ORD 592,652	592,652
BlackRock Investment Management (UK) Limited	27-Jul-18	no	n/a	collateral transfer	AUD	ORD 86,784	86,784
BlackRock Asset Management North Asia Limited	27-Jul-18	no	n/a	collateral transfer	AUD	ORD 17,586	17,586
BlackRock Advisors, LLC	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD 7,202	7,202
BlackRock Institutional Trust Company, National Association	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD 329	329
BlackRock Advisors, LLC	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD 41	41
BlackRock Advisors, LLC	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD 2,156	2,156
BlackRock Investment Management, LLC	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD 85	85
BlackRock Investment Management, LLC	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD 828	828
BlackRock Investment Management, LLC	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD 124	124
BlackRock Investment Management, LLC	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD 3,687	3,687

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BlackRock Investment Management (Australia) Limited	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD	145	145
BlackRock Investment Management, LLC	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD	259	259
BlackRock Investment Management, LLC	31-Jul-18	yes	9.74	on mkt buy	AUD	ORD	1,700	1,700
BlackRock Investment Management, LLC	31-Jul-18	yes	9.71	on mkt buy	AUD	ORD	402	402
BlackRock Institutional Trust Company, National Association	31-Jul-18	yes	9.74	on mkt buy	AUD	ORD	25,407	25,407
BlackRock Advisors (UK) Limited	31-Jul-18	yes	9.77	on mkt buy	AUD	ORD	3,905	3,905
BlackRock Advisors (UK) Limited	31-Jul-18	yes	9.77	on mkt buy	AUD	ORD	7,810	7,810
BlackRock Advisors (UK) Limited	31-Jul-18	yes	9.77	on mkt buy	AUD	ORD	1,226	1,226
BlackRock Fund Advisors	31-Jul-18	no	n/a	in specie	AUD	ORD	3,241	3,241
BlackRock Japan Co., Ltd.	31-Jul-18	no	n/a	collateral transfer	AUD	ORD	4,442	4,442
BlackRock Investment Management (UK) Limited	31-Jul-18	no	n/a	collateral transfer	AUD	ORD	1,273	1,273
BlackRock Advisors (UK) Limited	01-Aug-18	yes	9.69	on mkt buy	AUD	ORD	85,492	85,492
BlackRock Fund Advisors	01-Aug-18	no	n/a	in specie	AUD	ORD	3,704	3,704
BlackRock Fund Advisors	01-Aug-18	no	n/a	in specie	AUD	ORD	4,449	4,449
BlackRock Institutional Trust Company, National Association	02-Aug-18	yes	9.61	on mkt buy	AUD	ORD	6,594	6,594
BlackRock Fund Advisors	02-Aug-18	no	n/a	in specie	AUD	ORD	20,115	20,115
BlackRock Fund Advisors	02-Aug-18	no	n/a	in specie	AUD	ORD	26,820	26,820
BlackRock Japan Co., Ltd.	02-Aug-18	no	n/a	collateral transfer	AUD	ORD	120,358	120,358
BlackRock Advisors (UK) Limited	03-Aug-18	yes	9.77	on mkt buy	AUD	ORD	2,406	2,406
BlackRock Investment Management, LLC	03-Aug-18	no	n/a	collateral transfer	AUD	ORD	14,233	14,233
BlackRock Investment Management, LLC	06-Aug-18	yes	9.83	on mkt buy	AUD	ORD	2,128	2,128
BlackRock Fund Advisors	06-Aug-18	no	n/a	in specie	AUD	ORD	20,115	20,115
BlackRock Japan Co., Ltd.	06-Aug-18	no	n/a	collateral transfer	AUD	ORD	4,617	4,617
BlackRock Advisors, LLC	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	3,547	3,547
BlackRock Institutional Trust Company, National Association	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	168	168
BlackRock Advisors, LLC	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	21	21
BlackRock Advisors, LLC	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	1,082	1,082
BlackRock Investment Management, LLC	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	43	43
BlackRock Investment Management, LLC	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	415	415
BlackRock Investment Management, LLC	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	64	64
BlackRock Investment Management, LLC	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	1,861	1,861
BlackRock Investment Management (Australia) Limited	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	78	78
BlackRock Investment Management, LLC	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	131	131
BlackRock Investment Management, LLC	07-Aug-18	yes	9.84	on mkt buy	AUD	ORD	204	204
BlackRock Institutional Trust Company, National Association	07-Aug-18	yes	9.90	on mkt buy	AUD	ORD	229,770	229,770
BlackRock Advisors (UK) Limited	07-Aug-18	yes	9.93	on mkt buy	AUD	ORD	108,556	108,556
BlackRock Advisors (UK) Limited	07-Aug-18	yes	9.90	on mkt buy	AUD	ORD	3,769	3,769
BlackRock Financial Management, Inc.	08-Aug-18	yes	10.00	on mkt buy	AUD	ORD	78,488	78,488
BlackRock Investment Management (Australia) Limited	08-Aug-18	yes	9.87	on mkt buy	AUD	ORD	7,496	7,496
BlackRock Investment Management (Australia) Limited	08-Aug-18	yes	9.87	on mkt buy	AUD	ORD	13,930	13,930
BlackRock Advisors (UK) Limited	08-Aug-18	yes	9.86	on mkt buy	AUD	ORD	17,951	17,951
BlackRock Advisors (UK) Limited	08-Aug-18	yes	9.86	on mkt buy	AUD	ORD	792	792
BlackRock Financial Management, Inc.	08-Aug-18	yes	9.86	on mkt buy	AUD	ORD	3,863	3,863
BlackRock Fund Advisors	08-Aug-18	no	n/a	in specie	AUD	ORD	7,200	7,200
BlackRock Fund Advisors	08-Aug-18	no	n/a	in specie	AUD	ORD	1,005	1,005
BlackRock Japan Co., Ltd.	08-Aug-18	no	n/a	collateral transfer	AUD	ORD	14,725	14,725
BlackRock Fund Advisors	09-Aug-18	no	n/a	in specie	AUD	ORD	4,630	4,630
BlackRock Investment Management (UK) Limited	09-Aug-18	no	n/a	in specie	AUD	ORD	14,695	14,695
BlackRock Fund Advisors	10-Aug-18	no	n/a	in specie	AUD	ORD	9,260	9,260
BlackRock Fund Advisors	10-Aug-18	no	n/a	in specie	AUD	ORD	18,000	18,000
BlackRock Financial Management, Inc.	10-Aug-18	no	n/a	collateral transfer	AUD	ORD	1,185,685	1,185,685
BlackRock Investment Management, LLC	10-Aug-18	no	n/a	collateral transfer	AUD	ORD	247,429	247,429
BlackRock Investment Management (UK) Limited	10-Aug-18	no	n/a	collateral transfer	AUD	ORD	154,138	154,138
BlackRock Advisors (UK) Limited	13-Aug-18	yes	9.70	on mkt buy	AUD	ORD	22,248	22,248
BlackRock Institutional Trust Company, National Association	14-Aug-18	yes	9.79	on mkt buy	AUD	ORD	5,486	5,486
BlackRock Fund Advisors	14-Aug-18	no	n/a	in specie	AUD	ORD	3,600	3,600
BlackRock Fund Advisors	14-Aug-18	no	n/a	in specie	AUD	ORD	1,483	1,483

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BlackRock Japan Co., Ltd.	14-Aug-18	no	n/a	collateral transfer	AUD	ORD 1,411	1,411
BlackRock Asset Management North Asia Limited	14-Aug-18	no	n/a	collateral transfer	AUD	ORD 15,501	15,501
BlackRock Investment Management, LLC	15-Aug-18	yes	9.65	on mkt buy	AUD	ORD 1,440	1,440
BlackRock (Netherlands) B.V.	15-Aug-18	yes	9.71	on mkt buy	AUD	ORD 2,233	2,233
BlackRock Institutional Trust Company, National Association	15-Aug-18	yes	9.71	on mkt buy	AUD	ORD 64,234	64,234
BlackRock Fund Advisors	15-Aug-18	no	n/a	in specie	AUD	ORD 4,449	4,449
BlackRock Japan Co., Ltd.	15-Aug-18	no	n/a	collateral transfer	AUD	ORD 1,036	1,036
BlackRock Investment Management, LLC	15-Aug-18	no	n/a	collateral transfer	AUD	ORD 5,470	5,470
BlackRock Investment Management (UK) Limited	15-Aug-18	no	n/a	collateral transfer	AUD	ORD 6,291	6,291
BlackRock Asset Management North Asia Limited	15-Aug-18	no	n/a	collateral transfer	AUD	ORD 6,179	6,179
BlackRock Japan Co., Ltd.	16-Aug-18	yes	9.07	on mkt buy	AUD	ORD 33,856	33,856
BlackRock Investment Management (Australia) Limited	16-Aug-18	yes	9.09	on mkt buy	AUD	ORD 13,993	13,993
BlackRock Advisors (UK) Limited	16-Aug-18	yes	9.09	on mkt buy	AUD	ORD 1,202	1,202
BlackRock Advisors (UK) Limited	17-Aug-18	yes	8.89	on mkt buy	AUD	ORD 4,869	4,869
BlackRock Investment Management (UK) Limited	17-Aug-18	yes	8.89	on mkt buy	AUD	ORD 77,838	77,838
BlackRock Japan Co., Ltd.	17-Aug-18	no	n/a	collateral transfer	AUD	ORD 44	44
BlackRock Investment Management (UK) Limited	17-Aug-18	no	n/a	collateral transfer	AUD	ORD 784	784
BlackRock Financial Management, Inc.	20-Aug-18	yes	8.63	on mkt buy	AUD	ORD 192	192
BlackRock Japan Co., Ltd.	20-Aug-18	no	n/a	collateral transfer	AUD	ORD 4,772	4,772
BlackRock Advisors (UK) Limited	20-Aug-18	no	n/a	collateral transfer	AUD	ORD 592,060	592,060
BlackRock Investment Management, LLC	20-Aug-18	no	n/a	collateral transfer	AUD	ORD 44,553	44,553
BlackRock Investment Management (UK) Limited	20-Aug-18	no	n/a	collateral transfer	AUD	ORD 69,025	69,025
BlackRock Asset Management North Asia Limited	20-Aug-18	no	n/a	collateral transfer	AUD	ORD 48,547	48,547
BlackRock Advisors (UK) Limited	21-Aug-18	yes	8.37	on mkt buy	AUD	ORD 396	396
BlackRock Advisors (UK) Limited	21-Aug-18	yes	8.37	on mkt buy	AUD	ORD 397	397
BlackRock Advisors, LLC	21-Aug-18	yes	8.37	on mkt buy	AUD	ORD 79,466	79,466
BlackRock Japan Co., Ltd.	21-Aug-18	no	n/a	collateral transfer	AUD	ORD 163,569	163,569
BlackRock Investment Management (UK) Limited	21-Aug-18	no	n/a	collateral transfer	AUD	ORD 4,139	4,139
BlackRock Advisors (UK) Limited	22-Aug-18	yes	8.20	on mkt buy	AUD	ORD 1,211	1,211
BlackRock Japan Co., Ltd.	22-Aug-18	no	n/a	collateral transfer	AUD	ORD 3	3
BlackRock Advisors (UK) Limited	22-Aug-18	no	n/a	collateral transfer	AUD	ORD 865,849	865,849
BlackRock Investment Management (UK) Limited	22-Aug-18	no	n/a	collateral transfer	AUD	ORD 3,459	3,459
BlackRock Investment Management, LLC	23-Aug-18	no	n/a	collateral transfer	AUD	ORD 7,229	7,229
BlackRock Investment Management (UK) Limited	23-Aug-18	no	n/a	collateral transfer	AUD	ORD 9,701	9,701
BlackRock Financial Management, Inc.	24-Aug-18	yes	8.27	on mkt buy	AUD	ORD 165	165
BlackRock Fund Advisors	24-Aug-18	no	n/a	in specie	AUD	ORD 4,310	4,310
BlackRock Advisors (UK) Limited	24-Aug-18	no	n/a	collateral transfer	AUD	ORD 1,446,522	1,446,522
BlackRock Asset Management North Asia Limited	27-Aug-18	no	n/a	collateral transfer	AUD	ORD 5,667	5,667
BlackRock Fund Advisors	28-Aug-18	no	n/a	in specie	AUD	ORD 7,520	7,520
BlackRock Fund Advisors	29-Aug-18	no	n/a	in specie	AUD	ORD 14,019	14,019
BlackRock Fund Advisors	29-Aug-18	no	n/a	in specie	AUD	ORD 1,483	1,483
BlackRock Fund Advisors	30-Aug-18	no	n/a	in specie	AUD	ORD 2,010	2,010
BlackRock Japan Co., Ltd.	30-Aug-18	no	n/a	collateral transfer	AUD	ORD 13,427	13,427
BlackRock Advisors (UK) Limited	30-Aug-18	no	n/a	collateral transfer	AUD	ORD 1,957,830	1,957,830
BlackRock Investment Management, LLC	30-Aug-18	no	n/a	collateral transfer	AUD	ORD 142,077	142,077
BlackRock Investment Management (UK) Limited	30-Aug-18	no	n/a	collateral transfer	AUD	ORD 193,024	193,024

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BlackRock Asset Management North Asia Limited	30-Aug-18	no	n/a	collateral transfer	AUD	ORD	106,772	106,772
BlackRock Japan Co., Ltd.	31-Aug-18	yes	7.95	on mkt buy	AUD	ORD	13,826	13,826
BlackRock Japan Co., Ltd.	31-Aug-18	yes	7.95	on mkt buy	AUD	ORD	41,473	41,473
BlackRock Advisors (UK) Limited	31-Aug-18	yes	7.95	on mkt buy	AUD	ORD	7,960	7,960
BlackRock Advisors (UK) Limited	31-Aug-18	yes	7.95	on mkt buy	AUD	ORD	23,873	23,873
BlackRock Advisors (UK) Limited	31-Aug-18	yes	7.95	on mkt buy	AUD	ORD	1,665	1,665
BlackRock Advisors (UK) Limited	31-Aug-18	yes	7.95	on mkt buy	AUD	ORD	4,999	4,999
BlackRock Advisors (UK) Limited	31-Aug-18	yes	7.95	on mkt buy	AUD	ORD	887	887
BlackRock Advisors (UK) Limited	31-Aug-18	yes	7.95	on mkt buy	AUD	ORD	2,669	2,669
BlackRock Fund Advisors	31-Aug-18	no	n/a	in specie	AUD	ORD	72,000	72,000
BlackRock Japan Co., Ltd.	31-Aug-18	no	n/a	collateral transfer	AUD	ORD	22,815	22,815
BlackRock Investment Management, LLC	31-Aug-18	no	n/a	collateral transfer	AUD	ORD	269,247	269,247
BlackRock Investment Management (UK) Limited	31-Aug-18	no	n/a	collateral transfer	AUD	ORD	327,829	327,829
BlackRock Asset Management North Asia Limited	31-Aug-18	no	n/a	collateral transfer	AUD	ORD	162,387	162,387
BlackRock Japan Co., Ltd.	03-Sep-18	no	n/a	collateral transfer	AUD	ORD	12,447	12,447
BlackRock Advisors (UK) Limited	03-Sep-18	no	n/a	collateral transfer	AUD	ORD	134,146	134,146
BlackRock Investment Management, LLC	03-Sep-18	no	n/a	collateral transfer	AUD	ORD	63,608	63,608
BlackRock Investment Management (UK) Limited	03-Sep-18	no	n/a	collateral transfer	AUD	ORD	271,469	271,469
BlackRock Asset Management North Asia Limited	03-Sep-18	no	n/a	collateral transfer	AUD	ORD	115,582	115,582
BlackRock Advisors (UK) Limited	04-Sep-18	yes	7.85	on mkt buy	AUD	ORD	3,796	3,796
BlackRock Advisors (UK) Limited	04-Sep-18	yes	7.85	on mkt buy	AUD	ORD	1,230	1,230
BlackRock Advisors (UK) Limited	04-Sep-18	yes	7.84	on mkt buy	AUD	ORD	37,960	37,960
BlackRock Advisors (UK) Limited	04-Sep-18	yes	7.84	on mkt buy	AUD	ORD	22,776	22,776
BlackRock Japan Co., Ltd.	04-Sep-18	no	n/a	collateral transfer	AUD	ORD	121	121
BlackRock Investment Management (UK) Limited	04-Sep-18	no	n/a	collateral transfer	AUD	ORD	16,231	16,231
BlackRock Asset Management North Asia Limited	04-Sep-18	no	n/a	collateral transfer	AUD	ORD	111,753	111,753
BlackRock Fund Advisors	05-Sep-18	yes	7.76	on mkt buy	AUD	ORD	1,925	1,925
BlackRock Fund Advisors	05-Sep-18	no	n/a	in specie	AUD	ORD	11,575	11,575
BlackRock Advisors (UK) Limited	05-Sep-18	no	n/a	collateral transfer	AUD	ORD	1,809,922	1,809,922
BlackRock Investment Management (UK) Limited	06-Sep-18	yes	7.69	on mkt buy	AUD	ORD	11,399	11,399
BlackRock Fund Advisors	06-Sep-18	no	n/a	in specie	AUD	ORD	2,760	2,760
BlackRock Advisors (UK) Limited	06-Sep-18	no	n/a	collateral transfer	AUD	ORD	264,414	264,414
BlackRock Financial Management, Inc.	07-Sep-18	yes	7.67	on mkt buy	AUD	ORD	172	172
BlackRock Advisors (UK) Limited	07-Sep-18	yes	7.72	on mkt buy	AUD	ORD	1,226	1,226
BlackRock Advisors (UK) Limited	07-Sep-18	yes	7.67	on mkt buy	AUD	ORD	27,503	27,503
BlackRock Fund Advisors	07-Sep-18	no	n/a	in specie	AUD	ORD	4,630	4,630
BlackRock Fund Advisors	07-Sep-18	no	n/a	in specie	AUD	ORD	29,502	29,502
BlackRock Fund Advisors	07-Sep-18	no	n/a	in specie	AUD	ORD	22,797	22,797
BlackRock Japan Co., Ltd.	10-Sep-18	yes	7.83	on mkt buy	AUD	ORD	23,699	23,699
BlackRock Investment Management (Australia) Limited	10-Sep-18	yes	7.82	on mkt buy	AUD	ORD	7,996	7,996
BlackRock Advisors (UK) Limited	10-Sep-18	yes	7.82	on mkt buy	AUD	ORD	3,690	3,690
BlackRock Fund Advisors	10-Sep-18	no	n/a	in specie	AUD	ORD	5,556	5,556
BlackRock Advisors (UK) Limited	10-Sep-18	no	n/a	collateral transfer	AUD	ORD	203,097	203,097
BlackRock Advisors (UK) Limited	11-Sep-18	yes	8.07	on mkt buy	AUD	ORD	11,943	11,943
BlackRock Fund Advisors	11-Sep-18	no	n/a	in specie	AUD	ORD	314	314
BlackRock Advisors (UK) Limited	11-Sep-18	no	n/a	collateral transfer	AUD	ORD	98,972	98,972
BlackRock Fund Advisors	12-Sep-18	no	n/a	in specie	AUD	ORD	7,200	7,200
BlackRock Advisors (UK) Limited	13-Sep-18	yes	8.24	on mkt buy	AUD	ORD	3,075	3,075
BlackRock Advisors (UK) Limited	13-Sep-18	yes	8.24	on mkt buy	AUD	ORD	1,230	1,230
BlackRock Fund Advisors	13-Sep-18	no	n/a	in specie	AUD	ORD	15,040	15,040
BlackRock Advisors (UK) Limited	13-Sep-18	no	n/a	collateral transfer	AUD	ORD	101,392	101,392
BlackRock Investment Management (UK) Limited	14-Sep-18	no	n/a	in specie	AUD	ORD	9,081	9,081
BlackRock Investment Management (UK) Limited	14-Sep-18	no	n/a	in specie	AUD	ORD	16,010	16,010

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BlackRock Investment Management (UK) Limited	14-Sep-18	no	n/a	in specie	AUD	ORD	211,693	211,693
BlackRock Investment Management (UK) Limited	14-Sep-18	no	n/a	in specie	AUD	ORD	144,114	144,114
BlackRock Japan Co., Ltd.	14-Sep-18	no	n/a	collateral transfer	AUD	ORD	571,290	571,290
BlackRock Advisors (UK) Limited	14-Sep-18	no	n/a	collateral transfer	AUD	ORD	71,592	71,592
BlackRock Investment Management (UK) Limited	14-Sep-18	no	n/a	collateral transfer	AUD	ORD	8,844	8,844
BlackRock Advisors (UK) Limited	17-Sep-18	yes	8.35	on mkt buy	AUD	ORD	1,196	1,196
BlackRock Japan Co., Ltd.	17-Sep-18	yes	8.33	on mkt buy	AUD	ORD	5,102	5,102
BlackRock Japan Co., Ltd.	17-Sep-18	no	n/a	collateral transfer	AUD	ORD	237,000	237,000
BlackRock Investment Management, LLC	18-Sep-18	yes	8.30	on mkt buy	AUD	ORD	3,531	3,531
BlackRock Financial Management, Inc.	18-Sep-18	yes	8.13	on mkt buy	AUD	ORD	1,785	1,785
BlackRock Institutional Trust Company, National Association	18-Sep-18	yes	8.11	on mkt buy	AUD	ORD	11,094	11,094
BlackRock Advisors (UK) Limited	18-Sep-18	yes	8.11	on mkt buy	AUD	ORD	1,194	1,194
BlackRock Advisors (UK) Limited	18-Sep-18	no	n/a	collateral transfer	AUD	ORD	12,210	12,210
BlackRock Investment Management (Australia) Limited	19-Sep-18	yes	8.13	on mkt buy	AUD	ORD	16,452	16,452
BlackRock Advisors (UK) Limited	19-Sep-18	yes	8.07	on mkt buy	AUD	ORD	1,191	1,191
BlackRock Japan Co., Ltd.	19-Sep-18	no	n/a	collateral transfer	AUD	ORD	349,546	349,546
BlackRock Advisors (UK) Limited	19-Sep-18	no	n/a	collateral transfer	AUD	ORD	105,847	105,847
BlackRock Financial Management, Inc.	19-Sep-18	no	n/a	collateral transfer	AUD	ORD	103,220	103,220
BlackRock Investment Management (UK) Limited	19-Sep-18	no	n/a	collateral transfer	AUD	ORD	63,475	63,475
BlackRock Advisors (UK) Limited	20-Sep-18	yes	7.93	on mkt buy	AUD	ORD	1,197	1,197
BlackRock Advisors (UK) Limited	20-Sep-18	no	n/a	collateral transfer	AUD	ORD	28,444	28,444
BlackRock Financial Management, Inc.	21-Sep-18	yes	7.94	on mkt buy	AUD	ORD	156	156
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	2,818	2,818
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	42,710	42,710
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	1,170	1,170
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	17,740	17,740
BlackRock Fund Advisors	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	7,452	7,452
BlackRock Fund Advisors	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	492	492
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	5,526	5,526
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	365	365
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	6,423	6,423
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	424	424
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	636	636
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	9,627	9,627
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	9,646	9,646
BlackRock Investment Management (Australia) Limited	21-Sep-18	yes	7.96	on mkt buy	AUD	ORD	637	637
BlackRock Investment Management (UK) Limited	21-Sep-18	no	n/a	in specie	AUD	ORD	41,681	41,681
BlackRock Advisors (UK) Limited	21-Sep-18	no	n/a	collateral transfer	AUD	ORD	37,364	37,364
BlackRock Financial Management, Inc.	21-Sep-18	no	n/a	collateral transfer	AUD	ORD	2,566	2,566
BlackRock Investment Management (UK) Limited	21-Sep-18	no	n/a	collateral transfer	AUD	ORD	1,551	1,551
BlackRock Advisors (UK) Limited	24-Sep-18	yes	8.02	on mkt buy	AUD	ORD	4,305	4,305
BlackRock Fund Advisors	24-Sep-18	no	n/a	in specie	AUD	ORD	1,005	1,005
BlackRock Advisors (UK) Limited	24-Sep-18	no	n/a	collateral transfer	AUD	ORD	33,012	33,012
BlackRock Fund Advisors	25-Sep-18	no	n/a	in specie	AUD	ORD	1,518	1,518
BlackRock Fund Advisors	25-Sep-18	no	n/a	in specie	AUD	ORD	3,036	3,036

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			Cash	Non-cash	CCY		
BlackRock Fund Advisors	25-Sep-18	no	n/a	in specie	AUD	ORD 7,520	7,520
BlackRock Fund Advisors	25-Sep-18	no	n/a	in specie	AUD	ORD 7,254	7,254
BlackRock Advisors (UK) Limited	25-Sep-18	no	n/a	in specie	AUD	ORD 10,909	10,909
BlackRock Financial Management, Inc.	25-Sep-18	no	n/a	collateral transfer	AUD	ORD 103,418	103,418
BlackRock Investment Management (UK) Limited	25-Sep-18	no	n/a	collateral transfer	AUD	ORD 63,461	63,461
BlackRock Investment Management (UK) Limited	26-Sep-18	yes	8.18	on mkt buy	AUD	ORD 8,510	8,510
BlackRock Investment Management (Australia) Limited	26-Sep-18	yes	8.28	on mkt buy	AUD	ORD 12,730	12,730
BlackRock Investment Management (Australia) Limited	26-Sep-18	yes	8.27	on mkt buy	AUD	ORD 13,993	13,993
BlackRock Advisors (UK) Limited	26-Sep-18	yes	8.27	on mkt buy	AUD	ORD 3,946	3,946
BlackRock Advisors (UK) Limited	26-Sep-18	yes	8.27	on mkt buy	AUD	ORD 400	400
BlackRock Advisors (UK) Limited	26-Sep-18	yes	8.26	on mkt buy	AUD	ORD 19,730	19,730
BlackRock Advisors (UK) Limited	26-Sep-18	yes	8.27	on mkt buy	AUD	ORD 3,075	3,075
BlackRock Advisors (UK) Limited	26-Sep-18	yes	8.27	on mkt buy	AUD	ORD 5,535	5,535
BlackRock Advisors (UK) Limited	26-Sep-18	yes	8.27	on mkt buy	AUD	ORD 1,209	1,209
BlackRock Fund Advisors	26-Sep-18	no	n/a	in specie	AUD	ORD 5,364	5,364
BlackRock Fund Advisors	26-Sep-18	no	n/a	in specie	AUD	ORD 3,627	3,627
BlackRock Advisors (UK) Limited	26-Sep-18	no	n/a	collateral transfer	AUD	ORD 18,640	18,640
BlackRock Advisors (UK) Limited	27-Sep-18	yes	8.21	on mkt buy	AUD	ORD 2,100	2,100
BlackRock Fund Advisors	27-Sep-18	yes	8.21	on mkt buy	AUD	ORD 69,200	69,200
BlackRock Fund Advisors	27-Sep-18	yes	8.21	on mkt buy	AUD	ORD 11,868	11,868
BlackRock Institutional Trust Company, National Association	27-Sep-18	yes	8.21	on mkt buy	AUD	ORD 13,952	13,952
BlackRock Institutional Trust Company, National Association	27-Sep-18	yes	8.21	on mkt buy	AUD	ORD 6,327	6,327
BlackRock Fund Advisors	27-Sep-18	yes	8.21	on mkt buy	AUD	ORD 9,884	9,884
BlackRock Fund Advisors	27-Sep-18	no	n/a	in specie	AUD	ORD 4,167	4,167
BlackRock Advisors (UK) Limited	27-Sep-18	no	n/a	collateral transfer	AUD	ORD 32,080	32,080
BlackRock Financial Management, Inc.	27-Sep-18	no	n/a	collateral transfer	AUD	ORD 44,700	44,700
BlackRock Investment Management (UK) Limited	27-Sep-18	no	n/a	collateral transfer	AUD	ORD 368,583	368,583
BlackRock Institutional Trust Company, National Association	28-Sep-18	no	n/a	in specie	AUD	ORD 9,382	9,382
BlackRock Investment Management (UK) Limited	28-Sep-18	yes	8.36	on mkt buy	AUD	ORD 4,976	4,976
BlackRock Advisors (UK) Limited	28-Sep-18	yes	8.26	on mkt buy	AUD	ORD 1,226	1,226
BlackRock Advisors (UK) Limited	28-Sep-18	yes	8.26	on mkt buy	AUD	ORD 1,198	1,198
BlackRock Institutional Trust Company, National Association	28-Sep-18	yes	8.26	on mkt buy	AUD	ORD 46,176	46,176
BlackRock Institutional Trust Company, National Association	28-Sep-18	yes	8.26	on mkt buy	AUD	ORD 6,308	6,308
BlackRock Institutional Trust Company, National Association	28-Sep-18	yes	8.26	on mkt buy	AUD	ORD 74,545	74,545
BlackRock Fund Advisors	28-Sep-18	no	n/a	in specie	AUD	ORD 49,617	49,617
BlackRock Fund Advisors	28-Sep-18	no	n/a	in specie	AUD	ORD 20,115	20,115
BlackRock Fund Advisors	28-Sep-18	no	n/a	in specie	AUD	ORD 7,520	7,520
BlackRock Advisors (UK) Limited	28-Sep-18	no	n/a	collateral transfer	AUD	ORD 2,540,512	2,540,512
BlackRock Investment Management, LLC	28-Sep-18	no	n/a	collateral transfer	AUD	ORD 166,556	166,556
BlackRock Investment Management (UK) Limited	28-Sep-18	no	n/a	collateral transfer	AUD	ORD 285,209	285,209
BlackRock Asset Management North Asia Limited	28-Sep-18	no	n/a	collateral transfer	AUD	ORD 69,610	69,610
BlackRock Institutional Trust Company, National Association	01-Oct-18	yes	8.27	on mkt buy	AUD	ORD 36,325	36,325
BlackRock Fund Advisors	01-Oct-18	yes	8.27	on mkt buy	AUD	ORD 6,590	6,590
BlackRock Japan Co., Ltd.	01-Oct-18	no	n/a	collateral transfer	AUD	ORD 68,537	68,537
BlackRock Financial Management, Inc.	01-Oct-18	no	n/a	collateral transfer	AUD	ORD 88	88
BlackRock Investment Management, LLC	01-Oct-18	no	n/a	collateral transfer	AUD	ORD 958,508	958,508
BlackRock Investment Management (UK) Limited	01-Oct-18	no	n/a	collateral transfer	AUD	ORD 658,530	658,530
BlackRock Asset Management North Asia Limited	01-Oct-18	no	n/a	collateral transfer	AUD	ORD 453,686	453,686
BlackRock Advisors (UK) Limited	02-Oct-18	yes	8.38	on mkt buy	AUD	ORD 2,460	2,460
BlackRock Advisors (UK) Limited	02-Oct-18	yes	8.38	on mkt buy	AUD	ORD 3,640	3,640

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 (Netherlands) B.V.	02-Oct-18	yes	8.38	on mkt buy	AUD	ORD 704	704
BlackRock Institutional Trust Company, National Association	02-Oct-18	yes	8.38	on mkt buy	AUD	ORD 24,872	24,872
BlackRock Investment Management (UK) Limited	02-Oct-18	yes	8.38	on mkt buy	AUD	ORD 5,166	5,166
BlackRock Fund Advisors	02-Oct-18	yes	8.38	on mkt buy	AUD	ORD 8,509	8,509
BlackRock Fund Advisors	02-Oct-18	no	n/a	in specie	AUD	ORD 7,520	7,520
BlackRock Advisors (UK) Limited	02-Oct-18	no	n/a	collateral transfer	AUD	ORD 165,984	165,984
BlackRock Investment Management, LLC	02-Oct-18	no	n/a	collateral transfer	AUD	ORD 106,050	106,050
BlackRock Asset Management North Asia Limited	02-Oct-18	no	n/a	collateral transfer	AUD	ORD 61,129	61,129
BlackRock Investment Management (Australia) Limited	03-Oct-18	yes	8.44	on mkt buy	AUD	ORD 20,911	20,911
BlackRock Investment Management (Australia) Limited	03-Oct-18	yes	8.44	on mkt buy	AUD	ORD 12,155	12,155
BlackRock Investment Management (Australia) Limited	03-Oct-18	yes	8.44	on mkt buy	AUD	ORD 19,462	19,462
BlackRock Investment Management (UK) Limited	03-Oct-18	yes	8.42	on mkt buy	AUD	ORD 16,748	16,748
BlackRock Advisors (UK) Limited	03-Oct-18	yes	8.42	on mkt buy	AUD	ORD 3,065	3,065
BlackRock Financial Management, Inc.	03-Oct-18	no	n/a	collateral transfer	AUD	ORD 54,540	54,540
BlackRock Advisors (UK) Limited	04-Oct-18	yes	8.55	on mkt buy	AUD	ORD 1,845	1,845
BlackRock Investment Management (Australia) Limited	04-Oct-18	yes	8.55	on mkt buy	AUD	ORD 34,354	34,354
BlackRock Institutional Trust Company, National Association	04-Oct-18	no	n/a	in specie	AUD	ORD 17,959	17,959
BlackRock Japan Co., Ltd.	04-Oct-18	no	n/a	collateral transfer	AUD	ORD 1,679,992	1,679,992
BlackRock Financial Management, Inc.	04-Oct-18	no	n/a	collateral transfer	AUD	ORD 48,144	48,144
BlackRock Investment Management, LLC	04-Oct-18	no	n/a	collateral transfer	AUD	ORD 155,528	155,528
BlackRock Investment Management (UK) Limited	04-Oct-18	no	n/a	collateral transfer	AUD	ORD 185,774	185,774
BlackRock Asset Management North Asia Limited	04-Oct-18	no	n/a	collateral transfer	AUD	ORD 49,289	49,289
BlackRock Investment Management (Australia) Limited	05-Oct-18	yes	8.59	on mkt buy	AUD	ORD 58	58
BlackRock Investment Management (Australia) Limited	05-Oct-18	yes	8.59	on mkt buy	AUD	ORD 11,994	11,994
BlackRock Advisors (UK) Limited	05-Oct-18	yes	8.59	on mkt buy	AUD	ORD 1,213	1,213
BlackRock Fund Advisors	05-Oct-18	no	n/a	in specie	AUD	ORD 34,866	34,866
BlackRock Fund Advisors	05-Oct-18	no	n/a	in specie	AUD	ORD 862	862
BlackRock Financial Management, Inc.	05-Oct-18	no	n/a	collateral transfer	AUD	ORD 5,258	5,258
BlackRock Advisors (UK) Limited	08-Oct-18	yes	8.50	on mkt buy	AUD	ORD 612	612
BlackRock Japan Co., Ltd.	08-Oct-18	no	n/a	collateral transfer	AUD	ORD 789,060	789,060
BlackRock Advisors (UK) Limited	08-Oct-18	no	n/a	collateral transfer	AUD	ORD 110,667	110,667
BlackRock Institutional Trust Company, National Association	09-Oct-18	no	n/a	in specie	AUD	ORD 170,464	170,464
BlackRock Institutional Trust Company, National Association	09-Oct-18	no	n/a	in specie	AUD	ORD 12,363	12,363
BlackRock Institutional Trust Company, National Association	09-Oct-18	yes	8.55	on mkt buy	AUD	ORD 6,013	6,013
BlackRock Fund Advisors	09-Oct-18	yes	8.58	on mkt buy	AUD	ORD 11,352	11,352
BlackRock Fund Advisors	09-Oct-18	no	n/a	in specie	AUD	ORD 32,873	32,873
BlackRock Fund Advisors	09-Oct-18	no	n/a	in specie	AUD	ORD 22,560	22,560
BlackRock Investment Management, LLC	09-Oct-18	no	n/a	collateral transfer	AUD	ORD 480,837	480,837
BlackRock Investment Management (UK) Limited	09-Oct-18	no	n/a	collateral transfer	AUD	ORD 301,482	301,482
BlackRock Asset Management North Asia Limited	09-Oct-18	no	n/a	collateral transfer	AUD	ORD 161,554	161,554
BlackRock Investment Management (Australia) Limited	10-Oct-18	yes	8.50	on mkt buy	AUD	ORD 25,620	25,620
BlackRock Investment Management (Australia) Limited	10-Oct-18	yes	8.50	on mkt buy	AUD	ORD 11,027	11,027
BlackRock Investment Management (Australia) Limited	10-Oct-18	yes	8.50	on mkt buy	AUD	ORD 20,592	20,592
BlackRock Advisors (UK) Limited	10-Oct-18	yes	8.48	on mkt buy	AUD	ORD 1,230	1,230
BlackRock Fund Advisors	10-Oct-18	no	n/a	in specie	AUD	ORD 7,520	7,520

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BlackRock Financial Management, Inc.	10-Oct-18	no	n/a	collateral transfer	AUD	ORD 5,490	5,490
BlackRock Advisors (UK) Limited	11-Oct-18	yes	8.25	on mkt buy	AUD	ORD 1,230	1,230
BlackRock Advisors (UK) Limited	11-Oct-18	yes	8.25	on mkt buy	AUD	ORD 3,690	3,690
BlackRock Fund Advisors	11-Oct-18	no	n/a	in specie	AUD	ORD 46,300	46,300
BlackRock Japan Co., Ltd.	11-Oct-18	no	n/a	collateral transfer	AUD	ORD 7,867	7,867
BlackRock Investment Management, LLC	11-Oct-18	no	n/a	collateral transfer	AUD	ORD 50,736	50,736
BlackRock Advisors (UK) Limited	12-Oct-18	yes	8.13	on mkt buy	AUD	ORD 1,198	1,198
BlackRock Investment Management (Australia) Limited	12-Oct-18	yes	8.13	on mkt buy	AUD	ORD 74,437	74,437
BlackRock Investment Management (UK) Limited	12-Oct-18	no	n/a	in specie	AUD	ORD 4,875	4,875
BlackRock Fund Advisors	12-Oct-18	no	n/a	in specie	AUD	ORD 1,293	1,293
BlackRock Investment Management (UK) Limited	12-Oct-18	no	n/a	in specie	AUD	ORD 72,939	72,939
BlackRock Investment Management, LLC	12-Oct-18	no	n/a	collateral transfer	AUD	ORD 27,429	27,429
BlackRock Investment Management (Australia) Limited	15-Oct-18	yes	8.14	on mkt buy	AUD	ORD 13,937	13,937
BlackRock Institutional Trust Company, National Association	15-Oct-18	yes	8.14	on mkt buy	AUD	ORD 4,813	4,813
BlackRock Fund Advisors	15-Oct-18	no	n/a	in specie	AUD	ORD 1,518	1,518
BlackRock Fund Advisors	15-Oct-18	no	n/a	in specie	AUD	ORD 4,554	4,554
BlackRock Financial Management, Inc.	15-Oct-18	no	n/a	collateral transfer	AUD	ORD 3,893	3,893
BlackRock Investment Management (UK) Limited	15-Oct-18	no	n/a	collateral transfer	AUD	ORD 16,844	16,844
BlackRock Asset Management North Asia Limited	15-Oct-18	no	n/a	collateral transfer	AUD	ORD 11,269	11,269
BlackRock Advisors (UK) Limited	16-Oct-18	yes	8.12	on mkt buy	AUD	ORD 3,798	3,798
BlackRock Fund Advisors	16-Oct-18	yes	8.12	on mkt buy	AUD	ORD 6,226	6,226
BlackRock Advisors (UK) Limited	16-Oct-18	yes	8.12	on mkt buy	AUD	ORD 2,452	2,452
BlackRock Fund Advisors	16-Oct-18	no	n/a	in specie	AUD	ORD 41,670	41,670
BlackRock Fund Advisors	16-Oct-18	no	n/a	in specie	AUD	ORD 5,418	5,418
BlackRock Fund Advisors	16-Oct-18	no	n/a	in specie	AUD	ORD 3,870	3,870
BlackRock Financial Management, Inc.	16-Oct-18	no	n/a	collateral transfer	AUD	ORD 23,112	23,112
BlackRock Investment Management (UK) Limited	16-Oct-18	no	n/a	collateral transfer	AUD	ORD 14,138	14,138
BlackRock Asset Management North Asia Limited	16-Oct-18	no	n/a	collateral transfer	AUD	ORD 2,606	2,606
BlackRock Investment Management (Australia) Limited	17-Oct-18	yes	8.17	on mkt buy	AUD	ORD 14,375	14,375
BlackRock Fund Advisors	17-Oct-18	no	n/a	in specie	AUD	ORD 10,062	10,062
BlackRock Japan Co., Ltd.	17-Oct-18	no	n/a	collateral transfer	AUD	ORD 159,341	159,341
BlackRock Advisors (UK) Limited	17-Oct-18	no	n/a	collateral transfer	AUD	ORD 261,816	261,816
BlackRock Asset Management North Asia Limited	17-Oct-18	no	n/a	collateral transfer	AUD	ORD 12,850	12,850
BlackRock Advisors (UK) Limited	18-Oct-18	yes	8.01	on mkt buy	AUD	ORD 2,460	2,460
BlackRock Fund Advisors	18-Oct-18	no	n/a	in specie	AUD	ORD 3,096	3,096
BlackRock Investment Management (UK) Limited	18-Oct-18	no	n/a	in specie	AUD	ORD 4,461	4,461
BlackRock Investment Management (UK) Limited	18-Oct-18	no	n/a	in specie	AUD	ORD 12,508	12,508
BlackRock Financial Management, Inc.	18-Oct-18	no	n/a	collateral transfer	AUD	ORD 1,548	1,548
BlackRock Investment Management, LLC	18-Oct-18	no	n/a	collateral transfer	AUD	ORD 1,703	1,703
BlackRock Asset Management North Asia Limited	18-Oct-18	no	n/a	collateral transfer	AUD	ORD 3,294	3,294
BlackRock Asset Management Canada Limited	19-Oct-18	yes	7.90	on mkt buy	AUD	ORD 1,347	1,347
BlackRock Advisors (UK) Limited	19-Oct-18	yes	7.90	on mkt buy	AUD	ORD 3,603	3,603
BlackRock Fund Advisors	19-Oct-18	no	n/a	in specie	AUD	ORD 4,554	4,554
BlackRock Japan Co., Ltd.	19-Oct-18	no	n/a	collateral transfer	AUD	ORD 548,554	548,554
BlackRock Investment Management (UK) Limited	19-Oct-18	no	n/a	collateral transfer	AUD	ORD 1,865	1,865
BlackRock Asset Management North Asia Limited	19-Oct-18	no	n/a	collateral transfer	AUD	ORD 11,373	11,373
BlackRock Advisors (UK) Limited	22-Oct-18	yes	7.91	on mkt buy	AUD	ORD 3,814	3,814
BlackRock Advisors (UK) Limited	22-Oct-18	yes	7.91	on mkt buy	AUD	ORD 3,668	3,668

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BlackRock Institutional Trust Company, National Association	22-Oct-18	yes	7.91	on mkt buy	AUD	ORD	29,565	29,565
BlackRock Fund Advisors	22-Oct-18	no	n/a	in specie	AUD	ORD	6,072	6,072
BlackRock Investment Management (UK) Limited	22-Oct-18	no	n/a	collateral transfer	AUD	ORD	23,195	23,195
BlackRock Fund Advisors	23-Oct-18	yes	7.85	on mkt buy	AUD	ORD	2,277	2,277
BlackRock Investment Management (Australia) Limited	23-Oct-18	yes	7.56	on mkt buy	AUD	ORD	5,851	5,851
BlackRock (Netherlands) B.V.	23-Oct-18	yes	7.56	on mkt buy	AUD	ORD	2,193	2,193
BlackRock Advisors (UK) Limited	23-Oct-18	yes	7.56	on mkt buy	AUD	ORD	7,612	7,612
BlackRock Advisors (UK) Limited	23-Oct-18	yes	7.56	on mkt buy	AUD	ORD	2,404	2,404
BlackRock Japan Co., Ltd.	23-Oct-18	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Investment Management (UK) Limited	23-Oct-18	no	n/a	collateral transfer	AUD	ORD	129,734	129,734
BlackRock Advisors (UK) Limited	24-Oct-18	yes	7.30	on mkt buy	AUD	ORD	3,690	3,690
BlackRock Institutional Trust Company, National Association	24-Oct-18	yes	7.30	on mkt buy	AUD	ORD	5,054	5,054
BlackRock Fund Advisors	24-Oct-18	no	n/a	in specie	AUD	ORD	1,724	1,724
BlackRock Japan Co., Ltd.	24-Oct-18	no	n/a	collateral transfer	AUD	ORD	1,896,943	1,896,943
BlackRock Investment Management (UK) Limited	24-Oct-18	no	n/a	collateral transfer	AUD	ORD	13,412	13,412
BlackRock Advisors (UK) Limited	25-Oct-18	yes	7.09	on mkt buy	AUD	ORD	1,229	1,229
BlackRock Advisors (UK) Limited	25-Oct-18	yes	7.09	on mkt buy	AUD	ORD	7,644	7,644
BlackRock Advisors (UK) Limited	25-Oct-18	yes	7.09	on mkt buy	AUD	ORD	7,628	7,628
BlackRock Institutional Trust Company, National Association	25-Oct-18	yes	7.09	on mkt buy	AUD	ORD	91,868	91,868
BlackRock Fund Advisors	25-Oct-18	no	n/a	in specie	AUD	ORD	7,740	7,740
BlackRock Fund Advisors	25-Oct-18	no	n/a	in specie	AUD	ORD	3,870	3,870
BlackRock Institutional Trust Company, National Association	25-Oct-18	no	n/a	in specie	AUD	ORD	82,642	82,642
BlackRock Fund Advisors	25-Oct-18	no	n/a	in specie	AUD	ORD	7,520	7,520
BlackRock Advisors (UK) Limited	25-Oct-18	no	n/a	collateral transfer	AUD	ORD	2	2
BlackRock Financial Management, Inc.	25-Oct-18	no	n/a	collateral transfer	AUD	ORD	8,999	8,999
BlackRock Investment Management, LLC	25-Oct-18	no	n/a	collateral transfer	AUD	ORD	29,152	29,152
BlackRock Asset Management North Asia Limited	25-Oct-18	no	n/a	collateral transfer	AUD	ORD	15,688	15,688
BlackRock Advisors, LLC	26-Oct-18	no	n/a	in specie	AUD	ORD	23,388	23,388
BlackRock Financial Management, Inc.	26-Oct-18	yes	6.95	on mkt buy	AUD	ORD	247	247
BlackRock Investment Management (Australia) Limited	26-Oct-18	yes	6.95	on mkt buy	AUD	ORD	106,334	106,334
BlackRock Fund Advisors	26-Oct-18	yes	6.95	on mkt buy	AUD	ORD	18,854	18,854
BlackRock Fund Advisors	26-Oct-18	yes	6.95	on mkt buy	AUD	ORD	19,820	19,820
BlackRock Institutional Trust Company, National Association	26-Oct-18	yes	6.95	on mkt buy	AUD	ORD	7,351	7,351
BlackRock Financial Management, Inc.	26-Oct-18	yes	6.95	on mkt buy	AUD	ORD	2,507	2,507
BlackRock Fund Advisors	26-Oct-18	yes	6.95	on mkt buy	AUD	ORD	315	315
BlackRock Advisors, LLC	26-Oct-18	no	n/a	collateral transfer	AUD	ORD	6,377	6,377
BlackRock Financial Management, Inc.	26-Oct-18	no	n/a	collateral transfer	AUD	ORD	10,002	10,002
BlackRock Investment Management, LLC	26-Oct-18	no	n/a	collateral transfer	AUD	ORD	71,509	71,509
BlackRock Investment Management (UK) Limited	26-Oct-18	no	n/a	collateral transfer	AUD	ORD	716,821	716,821
BlackRock Investment Management (Australia) Limited	29-Oct-18	yes	7.01	on mkt buy	AUD	ORD	34,693	34,693
BlackRock Advisors (UK) Limited	29-Oct-18	yes	7.03	on mkt buy	AUD	ORD	6,765	6,765
BlackRock Asset Management Canada Limited	29-Oct-18	yes	7.03	on mkt buy	AUD	ORD	29,819	29,819
BlackRock Institutional Trust Company, National Association	29-Oct-18	yes	7.03	on mkt buy	AUD	ORD	5,862	5,862
BlackRock Fund Advisors	29-Oct-18	no	n/a	in specie	AUD	ORD	10,186	10,186
BlackRock Japan Co., Ltd.	29-Oct-18	no	n/a	collateral transfer	AUD	ORD	114,297	114,297
BlackRock Asset Management North Asia Limited	29-Oct-18	no	n/a	collateral transfer	AUD	ORD	12,234	12,234
BlackRock Advisors (UK) Limited	30-Oct-18	yes	7.17	on mkt buy	AUD	ORD	1,203	1,203
BlackRock Investment Management (Australia) Limited	30-Oct-18	yes	7.17	on mkt buy	AUD	ORD	22,185	22,185
BlackRock Japan Co., Ltd.	30-Oct-18	no	n/a	collateral transfer	AUD	ORD	90,616	90,616

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration			Class and number of securities affected	Person's votes affected
			Cash	Non-cash	CCY		
BlackRock Investment Management (UK) Limited	30-Oct-18	no	n/a	collateral transfer	AUD	ORD 49,852	49,852
BlackRock Advisors (UK) Limited	31-Oct-18	yes	7.29	on mkt buy	AUD	ORD 1,845	1,845
BlackRock Advisors (UK) Limited	31-Oct-18	yes	7.29	on mkt buy	AUD	ORD 1,236	1,236
BlackRock Fund Advisors	31-Oct-18	no	n/a	in specie	AUD	ORD 12,964	12,964
BlackRock Fund Advisors	31-Oct-18	no	n/a	in specie	AUD	ORD 3,512	3,512
BlackRock Investment Management, LLC	31-Oct-18	no	n/a	collateral transfer	AUD	ORD 18,852	18,852
BlackRock Investment Management (UK) Limited	31-Oct-18	no	n/a	collateral transfer	AUD	ORD 8,732	8,732
BlackRock Asset Management North Asia Limited	31-Oct-18	no	n/a	collateral transfer	AUD	ORD 6,611	6,611
BlackRock (Singapore) Limited	01-Nov-18	no	n/a	in specie	AUD	ORD 10,570	10,570
BlackRock Advisors (UK) Limited	01-Nov-18	yes	7.22	on mkt buy	AUD	ORD 3,075	3,075
BlackRock Advisors (UK) Limited	01-Nov-18	yes	7.22	on mkt buy	AUD	ORD 3,304	3,304
BlackRock Investment Management (Australia) Limited	01-Nov-18	yes	7.22	on mkt buy	AUD	ORD 36,479	36,479
BlackRock Fund Advisors	01-Nov-18	no	n/a	in specie	AUD	ORD 431	431
BlackRock Fund Advisors	01-Nov-18	no	n/a	in specie	AUD	ORD 1,293	1,293
BlackRock Fund Advisors	01-Nov-18	no	n/a	in specie	AUD	ORD 3,015	3,015
BlackRock Advisors (UK) Limited	01-Nov-18	no	n/a	collateral transfer	AUD	ORD 672,699	672,699
BlackRock Financial Management, Inc.	01-Nov-18	no	n/a	collateral transfer	AUD	ORD 191	191
BlackRock Investment Management, LLC	01-Nov-18	no	n/a	collateral transfer	AUD	ORD 48,342	48,342
BlackRock Asset Management North Asia Limited	01-Nov-18	no	n/a	collateral transfer	AUD	ORD 9,736	9,736
BlackRock Investment Management (Australia) Limited	02-Nov-18	yes	7.14	on mkt buy	AUD	ORD 17,919	17,919
BlackRock Advisors (UK) Limited	02-Nov-18	yes	7.14	on mkt buy	AUD	ORD 3,823	3,823
BlackRock Fund Advisors	02-Nov-18	no	n/a	in specie	AUD	ORD 4,644	4,644
BlackRock Fund Advisors	02-Nov-18	no	n/a	in specie	AUD	ORD 7,686	7,686
BlackRock Investment Management (UK) Limited	02-Nov-18	no	n/a	collateral transfer	AUD	ORD 33,469	33,469
BlackRock Advisors (UK) Limited	05-Nov-18	yes	7.07	on mkt buy	AUD	ORD 5,404	5,404
BlackRock Investment Management, LLC	05-Nov-18	yes	7.17	on mkt buy	AUD	ORD 8,946	8,946
BlackRock Fund Advisors	05-Nov-18	no	n/a	in specie	AUD	ORD 11,988	11,988
BlackRock Fund Advisors	05-Nov-18	no	n/a	in specie	AUD	ORD 1,052	1,052
BlackRock Financial Management, Inc.	05-Nov-18	no	n/a	collateral transfer	AUD	ORD 144	144
BlackRock Investment Management, LLC	05-Nov-18	no	n/a	collateral transfer	AUD	ORD 44,045	44,045
BlackRock Asset Management North Asia Limited	05-Nov-18	no	n/a	collateral transfer	AUD	ORD 8,085	8,085
BlackRock Advisors (UK) Limited	06-Nov-18	yes	7.23	on mkt buy	AUD	ORD 1,239	1,239
BlackRock Advisors (UK) Limited	06-Nov-18	yes	7.23	on mkt buy	AUD	ORD 4,305	4,305
BlackRock Advisors (UK) Limited	06-Nov-18	yes	7.23	on mkt buy	AUD	ORD 5,399	5,399
BlackRock Fund Advisors	06-Nov-18	yes	7.23	on mkt buy	AUD	ORD 5,700	5,700
BlackRock Institutional Trust Company, National Association	06-Nov-18	yes	7.23	on mkt buy	AUD	ORD 21,822	21,822
BlackRock Financial Management, Inc.	06-Nov-18	no	n/a	collateral transfer	AUD	ORD 41	41
BlackRock Investment Management (UK) Limited	06-Nov-18	no	n/a	collateral transfer	AUD	ORD 35,303	35,303
BlackRock Advisors (UK) Limited	07-Nov-18	yes	7.19	on mkt buy	AUD	ORD 3,839	3,839
BlackRock Advisors (UK) Limited	07-Nov-18	yes	7.19	on mkt buy	AUD	ORD 2,476	2,476
BlackRock Advisors (UK) Limited	07-Nov-18	yes	7.19	on mkt buy	AUD	ORD 2,476	2,476
BlackRock Advisors (UK) Limited	07-Nov-18	yes	7.19	on mkt buy	AUD	ORD 3,603	3,603
BlackRock Advisors (UK) Limited	07-Nov-18	yes	7.19	on mkt buy	AUD	ORD 24,020	24,020
BlackRock Institutional Trust Company, National Association	07-Nov-18	yes	7.19	on mkt buy	AUD	ORD 128,095	128,095
BlackRock Asset Management Canada Limited	07-Nov-18	yes	7.19	on mkt buy	AUD	ORD 21,907	21,907
BlackRock Investment Management (UK) Limited	07-Nov-18	no	n/a	in specie	AUD	ORD 6,835	6,835
BlackRock Fund Advisors	07-Nov-18	no	n/a	in specie	AUD	ORD 4,653	4,653
BlackRock Fund Advisors	07-Nov-18	no	n/a	in specie	AUD	ORD 7,686	7,686
BlackRock Advisors (UK) Limited	07-Nov-18	no	n/a	collateral transfer	AUD	ORD 463,446	463,446
BlackRock Advisors (UK) Limited	08-Nov-18	yes	7.23	on mkt buy	AUD	ORD 3,594	3,594
BlackRock Investment Management (Australia) Limited	08-Nov-18	yes	7.23	on mkt buy	AUD	ORD 2,800	2,800
BlackRock Investment Management (Australia) Limited	08-Nov-18	yes	7.23	on mkt buy	AUD	ORD 8,966	8,966

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	08-Nov-18	yes	7.23	on mkt buy	AUD	ORD 7,018	7,018
BlackRock Fund Advisors	08-Nov-18	no	n/a	in specie	AUD	ORD 9,990	9,990
BlackRock Fund Advisors	08-Nov-18	no	n/a	in specie	AUD	ORD 15,372	15,372
BlackRock Fund Advisors	08-Nov-18	no	n/a	in specie	AUD	ORD 3,102	3,102
BlackRock Investment Management (UK) Limited	08-Nov-18	no	n/a	collateral transfer	AUD	ORD 357,246	357,246
BlackRock Advisors (UK) Limited	09-Nov-18	yes	7.06	on mkt buy	AUD	ORD 1,242	1,242
BlackRock Investment Management (Australia) Limited	09-Nov-18	yes	7.06	on mkt buy	AUD	ORD 214,212	214,212
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	AUD	ORD 5,994	5,994
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	AUD	ORD 9,240	9,240
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	AUD	ORD 4,620	4,620
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	AUD	ORD 1,764	1,764
BlackRock Institutional Trust Company, National Association	09-Nov-18	no	n/a	in specie	AUD	ORD 20,718	20,718
BlackRock Investment Management (UK) Limited	09-Nov-18	no	n/a	in specie	AUD	ORD 64,711	64,711
BlackRock Investment Management (UK) Limited	09-Nov-18	no	n/a	in specie	AUD	ORD 58,757	58,757
BlackRock Japan Co., Ltd.	09-Nov-18	no	n/a	collateral transfer	AUD	ORD 2,191,368	2,191,368
BlackRock Investment Management (UK) Limited	09-Nov-18	no	n/a	collateral transfer	AUD	ORD 120,596	120,596
BlackRock Advisors (UK) Limited	12-Nov-18	yes	7.16	on mkt buy	AUD	ORD 3,606	3,606
BlackRock Investment Management, LLC	12-Nov-18	yes	7.16	on mkt buy	AUD	ORD 5,719	5,719
BlackRock Financial Management, Inc.	12-Nov-18	no	n/a	collateral transfer	AUD	ORD 81,458	81,458
BlackRock Investment Management (UK) Limited	12-Nov-18	no	n/a	collateral transfer	AUD	ORD 170,260	170,260
BlackRock Advisors (UK) Limited	13-Nov-18	yes	7.04	on mkt buy	AUD	ORD 2,512	2,512
BlackRock Advisors (UK) Limited	13-Nov-18	yes	7.04	on mkt buy	AUD	ORD 4,291	4,291
BlackRock Fund Advisors	13-Nov-18	no	n/a	in specie	AUD	ORD 12,384	12,384
BlackRock Institutional Trust Company, National Association	13-Nov-18	no	n/a	in specie	AUD	ORD 70,105	70,105
BlackRock Advisors (UK) Limited	13-Nov-18	no	n/a	collateral transfer	AUD	ORD 1,097,105	1,097,105

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

Maria Tricarico,
Authorised Signatory

15-Nov-18
Date

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

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

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

-----15-Nov-18-----
 Maria Tricarico, Authorised Signatory Date

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

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