

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 20 / 08 / 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	88,123,447	88,123,447	5.00

3. Details of relevant interests

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

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

4. Details of present registered holders

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

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

5. Consideration

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

Holder of relevant interest	Date of acquisition	Consideration (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 22 / 08 / 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.

22-Aug-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 86,495	86,495	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 232,616	232,616	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 15,069	15,069	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 2,884,508	2,884,508	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 1,243,193	1,243,193	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 186,317	186,317	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.	RBC-RBC Investor Services Bank S.A. Zurich		ORD 88,210	88,210	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 4,898,482	4,898,482	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.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 45,666	45,666	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 1,253,922	1,253,922	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-CIBC MELLON GLOBAL SECURITIES - NEW YORK		ORD 4,873	4,873	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 11,457	11,457	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 898,114	898,114	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.	BNYM-BONY LUXEMBOURG		ORD 53,149	53,149	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.

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 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 49,175	49,175	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 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 3,319	3,319	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 73,023	73,023	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 23,357,520	23,357,520	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ORD 1,352,148	1,352,148	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 1,194	1,194	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 22,439,984	22,439,984	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 573,857	573,857	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.
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 30,299	30,299	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 1,514,915	1,514,915	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 338,307	338,307	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 65,498	65,498	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 80,476	80,476	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 3,674	3,674	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 1,199,311	1,199,311	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock 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 350,869	350,869	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 4,325,266	4,325,266	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 1,048,112	1,048,112	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.
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 759,299	759,299	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 725,113	725,113	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 75,358	75,358	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 762,085	762,085	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.	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 156,978	156,978	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 1,588,745	1,588,745	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SEB-SKANDINAVISKA ENSKILDA BANKEN		ORD 77,858	77,858	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 387,943	387,943	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.
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 474,900	474,900	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY LUXEMBOURG		ORD 67,700	67,700	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 1,027,784	1,027,784	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 1,100,353	1,100,353	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD 2,529	2,529	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.

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, 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 49,353	49,353	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.	BNYM-BONY LUXEMBOURG		ORD 5,258	5,258	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ORD 2,220,773	2,220,773	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 172,313	172,313	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 877,856	877,856	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 646,919	646,919	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.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ORD 704	704	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 4,033,247	4,033,247	subsidiary of BlackRock Inc.

Annexure B

This is Annexure B of 10 pages referred to in form 603 Notice of initial substantial shareholder

22-Aug-18
Date
Maria Tricarico,
Authorised Signatory

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 Advisors (UK) Limited	23-Apr-18	yes	9.20	on mkt buy	AUD	ORD	10,836	10,836
BlackRock Advisors (UK) Limited	23-Apr-18	yes	9.27	on mkt buy	AUD	ORD	3,612	3,612
BlackRock Fund Advisors	23-Apr-18	no	n/a	in specie	AUD	ORD	11,100	11,100
BlackRock Fund Advisors	23-Apr-18	no	n/a	in specie	AUD	ORD	26,680	26,680
BlackRock Fund Advisors	23-Apr-18	no	n/a	in specie	AUD	ORD	50,692	50,692
BlackRock Fund Advisors	23-Apr-18	no	n/a	in specie	AUD	ORD	3,686	3,686
BlackRock Financial Management, Inc.	23-Apr-18	no	n/a	collateral transfer	AUD	ORD	4,365	4,365
BlackRock Investment Management (UK) Limited	23-Apr-18	no	n/a	collateral transfer	AUD	ORD	3,478	3,478
BlackRock Advisors (UK) Limited	24-Apr-18	yes	9.26	on mkt buy	AUD	ORD	2,710	2,710
BlackRock Advisors (UK) Limited	24-Apr-18	yes	9.28	on mkt buy	AUD	ORD	3,614	3,614
BlackRock Advisors (UK) Limited	24-Apr-18	yes	9.26	on mkt buy	AUD	ORD	3,614	3,614
BlackRock Advisors (UK) Limited	24-Apr-18	yes	9.26	on mkt buy	AUD	ORD	1,854	1,854
BlackRock Investment Management (Australia) Limited	24-Apr-18	yes	9.26	on mkt buy	AUD	ORD	7,273	7,273
BlackRock Fund Advisors	24-Apr-18	no	n/a	in specie	AUD	ORD	877	877
BlackRock Fund Advisors	24-Apr-18	no	n/a	in specie	AUD	ORD	2,631	2,631
BlackRock Fund Advisors	24-Apr-18	no	n/a	in specie	AUD	ORD	53,360	53,360
BlackRock Japan Co., Ltd.	24-Apr-18	no	n/a	collateral transfer	AUD	ORD	239,983	239,983
BlackRock Investment Management, LLC	24-Apr-18	no	n/a	collateral transfer	AUD	ORD	425,391	425,391
BlackRock Investment Management (UK) Limited	24-Apr-18	no	n/a	collateral transfer	AUD	ORD	1,021,791	1,021,791
BlackRock Asset Management North Asia Limited	24-Apr-18	no	n/a	collateral transfer	AUD	ORD	180,210	180,210
BlackRock Advisors (UK) Limited	25-Apr-18	no	n/a	collateral transfer	AUD	ORD	1,645,279	1,645,279
BlackRock Financial Management, Inc.	25-Apr-18	no	n/a	collateral transfer	AUD	ORD	10,890	10,890
BlackRock Investment Management (UK) Limited	26-Apr-18	yes	9.42	on mkt buy	AUD	ORD	3,513	3,513
BlackRock Advisors (UK) Limited	26-Apr-18	yes	9.49	on mkt buy	AUD	ORD	588	588
BlackRock Advisors (UK) Limited	26-Apr-18	yes	9.49	on mkt buy	AUD	ORD	3,215	3,215
BlackRock Fund Advisors	26-Apr-18	no	n/a	in specie	AUD	ORD	2,664	2,664
BlackRock Japan Co., Ltd.	26-Apr-18	no	n/a	collateral transfer	AUD	ORD	996	996
BlackRock Investment Management (Australia) Limited	27-Apr-18	yes	9.58	on mkt buy	AUD	ORD	21,550	21,550
BlackRock Advisors (UK) Limited	27-Apr-18	yes	9.62	on mkt buy	AUD	ORD	4,296	4,296
BlackRock Advisors (UK) Limited	27-Apr-18	yes	9.62	on mkt buy	AUD	ORD	3,729	3,729
BlackRock Fund Advisors	27-Apr-18	no	n/a	in specie	AUD	ORD	10,989	10,989
BlackRock Advisors (UK) Limited	27-Apr-18	no	n/a	in specie	AUD	ORD	4,065	4,065
BlackRock Advisors (UK) Limited	30-Apr-18	yes	9.75	on mkt buy	AUD	ORD	7,314	7,314
BlackRock Advisors (UK) Limited	30-Apr-18	no	n/a	in specie	AUD	ORD	252,584	252,584
BlackRock Investment Management (Australia) Limited	01-May-18	yes	9.64	on mkt buy	AUD	ORD	8,737	8,737
BlackRock Advisors (UK) Limited	01-May-18	no	n/a	collateral transfer	AUD	ORD	378,321	378,321
BlackRock Advisors (UK) Limited	02-May-18	yes	9.65	on mkt buy	AUD	ORD	7,092	7,092
BlackRock Advisors (UK) Limited	02-May-18	yes	9.65	on mkt buy	AUD	ORD	2,572	2,572
BlackRock Financial Management, Inc.	02-May-18	yes	9.65	on mkt buy	AUD	ORD	5,459	5,459
BlackRock Institutional Trust Company, National Association	02-May-18	yes	9.65	on mkt buy	AUD	ORD	48,280	48,280
BlackRock Fund Advisors	02-May-18	no	n/a	in specie	AUD	ORD	3,101	3,101
BlackRock Fund Advisors	02-May-18	no	n/a	in specie	AUD	ORD	3,686	3,686
BlackRock Fund Advisors	02-May-18	no	n/a	in specie	AUD	ORD	1,899	1,899
BlackRock Advisors (UK) Limited	03-May-18	yes	9.79	on mkt buy	AUD	ORD	3,725	3,725
BlackRock Advisors (UK) Limited	03-May-18	yes	9.79	on mkt buy	AUD	ORD	1,186	1,186
BlackRock Fund Advisors	03-May-18	no	n/a	in specie	AUD	ORD	2,894	2,894
BlackRock Fund Advisors	03-May-18	no	n/a	in specie	AUD	ORD	7,372	7,372
BlackRock Fund Advisors	04-May-18	no	n/a	in specie	AUD	ORD	3,686	3,686

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	07-May-18	yes	9.97	on mkt buy	AUD	ORD	1,690	1,690
BlackRock Fund Advisors	07-May-18	no	n/a	in specie	AUD	ORD	2,894	2,894
BlackRock Advisors (UK) Limited	07-May-18	no	n/a	collateral transfer	AUD	ORD	21,106	21,106
BlackRock Advisors, LLC	08-May-18	yes	9.85	on mkt buy	AUD	ORD	80,024	80,024
BlackRock Institutional Trust Company, National Association	08-May-18	yes	9.85	on mkt buy	AUD	ORD	5,211	5,211
BlackRock Institutional Trust Company, National Association	08-May-18	yes	9.85	on mkt buy	AUD	ORD	116,605	116,605
BlackRock Investment Management (Australia) Limited	08-May-18	yes	9.85	on mkt buy	AUD	ORD	66,961	66,961
BlackRock Financial Management, Inc.	08-May-18	no	n/a	in specie	AUD	ORD	229,985	229,985
BlackRock Advisors (UK) Limited	08-May-18	no	n/a	collateral transfer	AUD	ORD	80,329	80,329
BlackRock Financial Management, Inc.	08-May-18	no	n/a	collateral transfer	AUD	ORD	311	311
BlackRock Investment Management, LLC	08-May-18	no	n/a	collateral transfer	AUD	ORD	16,016	16,016
BlackRock Investment Management (UK) Limited	08-May-18	no	n/a	collateral transfer	AUD	ORD	34,800	34,800
BlackRock Asset Management North Asia Limited	08-May-18	no	n/a	collateral transfer	AUD	ORD	15,873	15,873
BlackRock Advisors (UK) Limited	09-May-18	yes	9.94	on mkt buy	AUD	ORD	3,724	3,724
BlackRock Advisors (UK) Limited	09-May-18	yes	9.94	on mkt buy	AUD	ORD	18,620	18,620
BlackRock Advisors (UK) Limited	09-May-18	yes	9.94	on mkt buy	AUD	ORD	593	593
BlackRock Advisors (UK) Limited	09-May-18	yes	9.94	on mkt buy	AUD	ORD	2,484	2,484
BlackRock Advisors (UK) Limited	09-May-18	yes	9.94	on mkt buy	AUD	ORD	1,436	1,436
BlackRock Advisors (UK) Limited	09-May-18	yes	9.94	on mkt buy	AUD	ORD	7,318	7,318
BlackRock Advisors (UK) Limited	09-May-18	yes	9.94	on mkt buy	AUD	ORD	2,484	2,484
BlackRock Advisors (UK) Limited	09-May-18	yes	9.94	on mkt buy	AUD	ORD	1,636	1,636
BlackRock Fund Advisors	09-May-18	yes	9.94	on mkt buy	AUD	ORD	22,080	22,080
BlackRock Fund Advisors	09-May-18	no	n/a	in specie	AUD	ORD	4,341	4,341
BlackRock Fund Advisors	09-May-18	no	n/a	in specie	AUD	ORD	7,372	7,372
BlackRock Investment Management (UK) Limited	09-May-18	no	n/a	collateral transfer	AUD	ORD	6,025	6,025
BlackRock Advisors (UK) Limited	10-May-18	yes	9.95	on mkt buy	AUD	ORD	17,268	17,268
BlackRock Advisors (UK) Limited	10-May-18	yes	9.97	on mkt buy	AUD	ORD	11,172	11,172
BlackRock Fund Advisors	10-May-18	no	n/a	in specie	AUD	ORD	11,058	11,058
BlackRock Fund Advisors	10-May-18	no	n/a	in specie	AUD	ORD	14,744	14,744
BlackRock Advisors (UK) Limited	10-May-18	no	n/a	collateral transfer	AUD	ORD	1,074,940	1,074,940
BlackRock Investment Management (UK) Limited	10-May-18	no	n/a	collateral transfer	AUD	ORD	2,590	2,590
BlackRock Advisors (UK) Limited	11-May-18	yes	9.85	on mkt buy	AUD	ORD	7,450	7,450
BlackRock Advisors (UK) Limited	11-May-18	yes	9.85	on mkt buy	AUD	ORD	14,900	14,900
BlackRock Advisors (UK) Limited	11-May-18	yes	9.85	on mkt buy	AUD	ORD	3,105	3,105
BlackRock Advisors (UK) Limited	11-May-18	yes	9.85	on mkt buy	AUD	ORD	2,880	2,880
BlackRock Investment Management (UK) Limited	11-May-18	yes	9.85	on mkt buy	AUD	ORD	20,654	20,654
BlackRock Fund Advisors	11-May-18	no	n/a	in specie	AUD	ORD	14,641	14,641
BlackRock Fund Advisors	11-May-18	no	n/a	in specie	AUD	ORD	140,068	140,068
BlackRock Fund Advisors	11-May-18	no	n/a	in specie	AUD	ORD	7,372	7,372
BlackRock Financial Management, Inc.	11-May-18	no	n/a	collateral transfer	AUD	ORD	27	27
BlackRock Investment Management, LLC	11-May-18	no	n/a	collateral transfer	AUD	ORD	2,529	2,529
BlackRock Asset Management North Asia Limited	11-May-18	no	n/a	collateral transfer	AUD	ORD	716	716
BlackRock Advisors (UK) Limited	14-May-18	yes	9.85	on mkt buy	AUD	ORD	11,178	11,178
BlackRock Investment Management, LLC	14-May-18	yes	9.85	on mkt buy	AUD	ORD	27,075	27,075
BlackRock Fund Advisors	14-May-18	no	n/a	in specie	AUD	ORD	6,655	6,655
BlackRock Fund Advisors	14-May-18	no	n/a	in specie	AUD	ORD	14,744	14,744
BlackRock Fund Advisors	14-May-18	no	n/a	in specie	AUD	ORD	7,372	7,372
BlackRock Fund Advisors	14-May-18	no	n/a	in specie	AUD	ORD	11,058	11,058
BlackRock Japan Co., Ltd.	14-May-18	no	n/a	collateral transfer	AUD	ORD	12,764	12,764
BlackRock Financial Management, Inc.	14-May-18	no	n/a	collateral transfer	AUD	ORD	16	16
BlackRock Investment Management (UK) Limited	14-May-18	no	n/a	collateral transfer	AUD	ORD	869	869
BlackRock Asset Management North Asia Limited	14-May-18	no	n/a	collateral transfer	AUD	ORD	832	832
BlackRock Advisors (UK) Limited	15-May-18	yes	9.62	on mkt buy	AUD	ORD	1,447	1,447
BlackRock Investment Management, LLC	15-May-18	yes	9.62	on mkt buy	AUD	ORD	4,706	4,706

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	15-May-18	no	n/a	in specie	AUD	ORD	39,381	39,381
BlackRock Institutional Trust Company, National Association	15-May-18	no	n/a	in specie	AUD	ORD	64,772	64,772
BlackRock Fund Advisors	15-May-18	no	n/a	in specie	AUD	ORD	18,430	18,430
BlackRock Asset Management Canada Limited	16-May-18	no	n/a	in specie	AUD	ORD	7,962	7,962
BlackRock Advisors (UK) Limited	16-May-18	yes	9.73	on mkt buy	AUD	ORD	595	595
BlackRock Advisors (UK) Limited	16-May-18	yes	9.73	on mkt buy	AUD	ORD	621	621
BlackRock Advisors (UK) Limited	16-May-18	yes	9.73	on mkt buy	AUD	ORD	4,347	4,347
BlackRock Investment Management (Australia) Limited	16-May-18	yes	9.73	on mkt buy	AUD	ORD	1,915	1,915
BlackRock Fund Advisors	16-May-18	no	n/a	in specie	AUD	ORD	633	633
BlackRock Advisors (UK) Limited	17-May-18	yes	9.78	on mkt buy	AUD	ORD	4,968	4,968
BlackRock Fund Advisors	17-May-18	yes	9.78	on mkt buy	AUD	ORD	27,600	27,600
BlackRock Fund Advisors	17-May-18	yes	9.78	on mkt buy	AUD	ORD	6,395	6,395
BlackRock Advisors (UK) Limited	17-May-18	no	n/a	collateral transfer	AUD	ORD	89,184	89,184
BlackRock Advisors (UK) Limited	18-May-18	yes	10.10	on mkt buy	AUD	ORD	1,866	1,866
BlackRock Fund Advisors	18-May-18	yes	10.10	on mkt buy	AUD	ORD	62,304	62,304
BlackRock Fund Advisors	18-May-18	no	n/a	in specie	AUD	ORD	10,648	10,648
BlackRock Advisors (UK) Limited	21-May-18	yes	10.00	on mkt buy	AUD	ORD	237	237
BlackRock Advisors (UK) Limited	21-May-18	no	n/a	in specie	AUD	ORD	12,390	12,390
BlackRock Advisors (UK) Limited	21-May-18	no	n/a	collateral transfer	AUD	ORD	1,766,370	1,766,370
BlackRock Advisors (UK) Limited	22-May-18	yes	9.94	on mkt buy	AUD	ORD	1,227	1,227
BlackRock Advisors (UK) Limited	22-May-18	yes	9.94	on mkt buy	AUD	ORD	2,454	2,454
BlackRock Advisors (UK) Limited	22-May-18	yes	9.94	on mkt buy	AUD	ORD	1,636	1,636
BlackRock Investment Management (Australia) Limited	23-May-18	yes	9.79	on mkt buy	AUD	ORD	9,493	9,493
BlackRock Investment Management (Australia) Limited	23-May-18	yes	9.79	on mkt buy	AUD	ORD	16,035	16,035
BlackRock Advisors (UK) Limited	23-May-18	yes	9.80	on mkt buy	AUD	ORD	5,580	5,580
BlackRock Advisors (UK) Limited	23-May-18	yes	9.80	on mkt buy	AUD	ORD	3,100	3,100
BlackRock Fund Advisors	23-May-18	yes	9.80	on mkt buy	AUD	ORD	6,721	6,721
BlackRock Advisors (UK) Limited	23-May-18	no	n/a	in specie	AUD	ORD	50,917	50,917
BlackRock Advisors (UK) Limited	23-May-18	no	n/a	collateral transfer	AUD	ORD	26,150	26,150
BlackRock Advisors (UK) Limited	24-May-18	yes	9.75	on mkt buy	AUD	ORD	6,290	6,290
BlackRock Fund Advisors	24-May-18	yes	9.75	on mkt buy	AUD	ORD	8,717	8,717
BlackRock Fund Advisors	24-May-18	no	n/a	in specie	AUD	ORD	3,686	3,686
BlackRock Japan Co., Ltd.	24-May-18	no	n/a	collateral transfer	AUD	ORD	15,160	15,160
BlackRock Advisors (UK) Limited	25-May-18	yes	9.66	on mkt buy	AUD	ORD	5,588	5,588
BlackRock Advisors (UK) Limited	25-May-18	yes	9.66	on mkt buy	AUD	ORD	11,181	11,181
BlackRock Fund Advisors	29-May-18	yes	9.51	on mkt buy	AUD	ORD	2,894	2,894
BlackRock Fund Advisors	29-May-18	yes	9.51	on mkt buy	AUD	ORD	1,899	1,899
BlackRock Fund Advisors	29-May-18	no	n/a	in specie	AUD	ORD	1,266	1,266
BlackRock Advisors (UK) Limited	29-May-18	no	n/a	collateral transfer	AUD	ORD	489,329	489,329
BlackRock Advisors (UK) Limited	30-May-18	yes	9.48	on mkt buy	AUD	ORD	3,731	3,731
BlackRock Advisors (UK) Limited	30-May-18	yes	9.48	on mkt buy	AUD	ORD	1,391	1,391
BlackRock Advisors (UK) Limited	30-May-18	yes	9.48	on mkt buy	AUD	ORD	2,782	2,782
BlackRock Advisors (UK) Limited	30-May-18	yes	9.48	on mkt buy	AUD	ORD	2,870	2,870
BlackRock Fund Advisors	30-May-18	yes	9.48	on mkt buy	AUD	ORD	29,486	29,486
BlackRock Advisors (UK) Limited	30-May-18	no	n/a	collateral transfer	AUD	ORD	32,196	32,196
BlackRock Advisors (UK) Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	3,090	3,090
BlackRock Japan Co., Ltd.	31-May-18	yes	9.60	on mkt buy	AUD	ORD	11,180	11,180
BlackRock Investment Management (UK) Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	4,637	4,637
BlackRock Institutional Trust Company, National Association	31-May-18	yes	9.60	on mkt buy	AUD	ORD	10,295	10,295
BlackRock Asset Management Canada Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	37,991	37,991
BlackRock International Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	9,554	9,554
BlackRock (Netherlands) B.V.	31-May-18	yes	9.60	on mkt buy	AUD	ORD	824	824
BlackRock Investment Management, LLC	31-May-18	yes	9.60	on mkt buy	AUD	ORD	14,027	14,027
BlackRock Fund Advisors	31-May-18	yes	9.60	on mkt buy	AUD	ORD	57,040	57,040
BlackRock Fund Advisors	31-May-18	yes	9.60	on mkt buy	AUD	ORD	13,413	13,413
BlackRock Fund Advisors	31-May-18	yes	9.60	on mkt buy	AUD	ORD	45,225	45,225
BlackRock Investment Management (UK) Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	12,901	12,901
BlackRock Institutional Trust Company, National Association	31-May-18	yes	9.60	on mkt buy	AUD	ORD	5,321	5,321

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			Cash	Non-cash	CCY			
BlackRock Institutional Trust Company, National Association	31-May-18	yes	9.60	on mkt buy	AUD	ORD	7,419	7,419
BlackRock Investment Management, LLC	31-May-18	yes	9.60	on mkt buy	AUD	ORD	1,250	1,250
BlackRock Investment Management (UK) Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	1,575	1,575
BlackRock Advisors (UK) Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	20,722	20,722
BlackRock Advisors (UK) Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	11,283	11,283
BlackRock Investment Management (Australia) Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	349	349
BlackRock Institutional Trust Company, National Association	31-May-18	yes	9.60	on mkt buy	AUD	ORD	3,751	3,751
BlackRock Institutional Trust Company, National Association	31-May-18	yes	9.60	on mkt buy	AUD	ORD	72,650	72,650
BlackRock Investment Management (UK) Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	26,122	26,122
BlackRock Investment Management (Australia) Limited	31-May-18	yes	9.60	on mkt buy	AUD	ORD	2,160	2,160
BlackRock Advisors (UK) Limited	31-May-18	no	n/a	collateral transfer	AUD	ORD	92,254	92,254
BlackRock Advisors (UK) Limited	01-Jun-18	no	n/a	collateral transfer	AUD	ORD	59,714	59,714
BlackRock Fund Advisors	04-Jun-18	yes	9.55	on mkt buy	AUD	ORD	22,386	22,386
BlackRock Investment Management (Australia) Limited	04-Jun-18	yes	9.55	on mkt buy	AUD	ORD	574,705	574,705
BlackRock Advisors (UK) Limited	04-Jun-18	yes	9.59	on mkt buy	AUD	ORD	577	577
BlackRock Advisors (UK) Limited	04-Jun-18	yes	9.59	on mkt buy	AUD	ORD	9,880	9,880
BlackRock Fund Advisors	05-Jun-18	yes	9.36	on mkt buy	AUD	ORD	57,593	57,593
BlackRock (Netherlands) B.V.	05-Jun-18	yes	9.36	on mkt buy	AUD	ORD	1,872	1,872
BlackRock Fund Advisors	05-Jun-18	no	n/a	in specie	AUD	ORD	3,034	3,034
BlackRock Japan Co., Ltd.	05-Jun-18	no	n/a	collateral transfer	AUD	ORD	578,062	578,062
BlackRock Advisors (UK) Limited	05-Jun-18	no	n/a	collateral transfer	AUD	ORD	173,618	173,618
BlackRock Investment Management, LLC	05-Jun-18	no	n/a	collateral transfer	AUD	ORD	53,030	53,030
BlackRock Investment Management (UK) Limited	05-Jun-18	no	n/a	collateral transfer	AUD	ORD	357,925	357,925
BlackRock Advisors (UK) Limited	06-Jun-18	yes	9.57	on mkt buy	AUD	ORD	18,655	18,655
BlackRock Advisors (UK) Limited	06-Jun-18	yes	9.65	on mkt buy	AUD	ORD	14,924	14,924
BlackRock Investment Management (UK) Limited	06-Jun-18	no	n/a	in specie	AUD	ORD	27,022	27,022
BlackRock Fund Advisors	06-Jun-18	no	n/a	in specie	AUD	ORD	2,712	2,712
BlackRock Fund Advisors	06-Jun-18	no	n/a	in specie	AUD	ORD	30,336	30,336
BlackRock Advisors (UK) Limited	06-Jun-18	no	n/a	collateral transfer	AUD	ORD	420,272	420,272
BlackRock Investment Management (UK) Limited	06-Jun-18	no	n/a	collateral transfer	AUD	ORD	853,577	853,577
BlackRock Advisors (UK) Limited	07-Jun-18	yes	9.85	on mkt buy	AUD	ORD	11,211	11,211
BlackRock Advisors (UK) Limited	07-Jun-18	yes	9.85	on mkt buy	AUD	ORD	14,948	14,948
BlackRock Advisors (UK) Limited	07-Jun-18	yes	9.85	on mkt buy	AUD	ORD	4,980	4,980
BlackRock Advisors (UK) Limited	07-Jun-18	yes	9.85	on mkt buy	AUD	ORD	1,648	1,648
BlackRock Fund Advisors	07-Jun-18	no	n/a	in specie	AUD	ORD	3,164	3,164
BlackRock Fund Advisors	07-Jun-18	no	n/a	in specie	AUD	ORD	30,336	30,336
BlackRock Advisors (UK) Limited	07-Jun-18	no	n/a	collateral transfer	AUD	ORD	866	866
BlackRock Advisors (UK) Limited	08-Jun-18	yes	9.94	on mkt buy	AUD	ORD	3,736	3,736
BlackRock Advisors (UK) Limited	08-Jun-18	yes	9.94	on mkt buy	AUD	ORD	7,472	7,472
BlackRock Fund Advisors	08-Jun-18	no	n/a	in specie	AUD	ORD	4,692	4,692
BlackRock Fund Advisors	08-Jun-18	no	n/a	in specie	AUD	ORD	4,692	4,692
BlackRock Fund Advisors	08-Jun-18	no	n/a	in specie	AUD	ORD	15,168	15,168
BlackRock Advisors (UK) Limited	08-Jun-18	no	n/a	collateral transfer	AUD	ORD	6,232	6,232
BlackRock Advisors (UK) Limited	12-Jun-18	yes	9.95	on mkt buy	AUD	ORD	9,624	9,624
BlackRock Advisors (UK) Limited	12-Jun-18	yes	9.90	on mkt buy	AUD	ORD	7,466	7,466
BlackRock Advisors (UK) Limited	12-Jun-18	yes	9.90	on mkt buy	AUD	ORD	3,733	3,733
BlackRock (Netherlands) B.V.	12-Jun-18	yes	9.90	on mkt buy	AUD	ORD	343	343
BlackRock Japan Co., Ltd.	12-Jun-18	no	n/a	collateral transfer	AUD	ORD	637,295	637,295
BlackRock Investment Management (Australia) Limited	13-Jun-18	yes	9.74	on mkt buy	AUD	ORD	10,570	10,570
BlackRock Japan Co., Ltd.	13-Jun-18	no	n/a	collateral transfer	AUD	ORD	878,729	878,729
BlackRock Investment Management (Australia) Limited	14-Jun-18	yes	9.70	on mkt buy	AUD	ORD	16,352	16,352
BlackRock Advisors (UK) Limited	14-Jun-18	no	n/a	collateral transfer	AUD	ORD	850,987	850,987

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	15-Jun-18	yes	9.86	on mkt buy	AUD	ORD	7,498	7,498
BlackRock Investment Management (Australia) Limited	15-Jun-18	yes	9.86	on mkt buy	AUD	ORD	22,212	22,212
BlackRock Institutional Trust Company, National Association	15-Jun-18	yes	9.86	on mkt buy	AUD	ORD	11,177	11,177
BlackRock Financial Management, Inc.	15-Jun-18	yes	9.86	on mkt buy	AUD	ORD	4,625	4,625
BlackRock Fund Advisors	15-Jun-18	no	n/a	in specie	AUD	ORD	5,244	5,244
BlackRock Advisors (UK) Limited	18-Jun-18	yes	9.86	on mkt buy	AUD	ORD	4,812	4,812
BlackRock Fund Advisors	19-Jun-18	no	n/a	in specie	AUD	ORD	2,010	2,010
BlackRock Advisors (UK) Limited	19-Jun-18	no	n/a	in specie	AUD	ORD	15,254	15,254
BlackRock Japan Co., Ltd.	19-Jun-18	no	n/a	collateral transfer	AUD	ORD	215,225	215,225
BlackRock Investment Management (UK) Limited	19-Jun-18	no	n/a	collateral transfer	AUD	ORD	1,025,214	1,025,214
BlackRock Advisors (UK) Limited	20-Jun-18	yes	9.84	on mkt buy	AUD	ORD	11,247	11,247
BlackRock Japan Co., Ltd.	20-Jun-18	no	n/a	collateral transfer	AUD	ORD	1,454,117	1,454,117
BlackRock Investment Management (UK) Limited	20-Jun-18	no	n/a	collateral transfer	AUD	ORD	112,156	112,156
BlackRock Investment Management, LLC	21-Jun-18	yes	10.00	on mkt buy	AUD	ORD	1,269	1,269
BlackRock Advisors (UK) Limited	21-Jun-18	yes	9.89	on mkt buy	AUD	ORD	6,200	6,200
BlackRock Advisors (UK) Limited	21-Jun-18	no	n/a	collateral transfer	AUD	ORD	1,264,831	1,264,831
BlackRock Japan Co., Ltd.	22-Jun-18	no	n/a	collateral transfer	AUD	ORD	1,176,375	1,176,375
BlackRock Advisors (UK) Limited	22-Jun-18	no	n/a	collateral transfer	AUD	ORD	99,936	99,936
BlackRock Institutional Trust Company, National Association	25-Jun-18	yes	9.89	on mkt buy	AUD	ORD	16,556	16,556
BlackRock Fund Advisors	25-Jun-18	no	n/a	in specie	AUD	ORD	4,460	4,460
BlackRock Japan Co., Ltd.	25-Jun-18	no	n/a	collateral transfer	AUD	ORD	1,598,163	1,598,163
BlackRock Advisors (UK) Limited	26-Jun-18	yes	9.92	on mkt buy	AUD	ORD	2,010	2,010
BlackRock Fund Advisors	26-Jun-18	no	n/a	in specie	AUD	ORD	3,017	3,017
BlackRock Advisors (UK) Limited	26-Jun-18	no	n/a	collateral transfer	AUD	ORD	114,269	114,269
BlackRock Fund Advisors	27-Jun-18	no	n/a	in specie	AUD	ORD	15,738	15,738
BlackRock Japan Co., Ltd.	27-Jun-18	no	n/a	collateral transfer	AUD	ORD	39,716	39,716
BlackRock Advisors (UK) Limited	29-Jun-18	yes	10.08	on mkt buy	AUD	ORD	34,812	34,812
BlackRock Institutional Trust Company, National Association	29-Jun-18	yes	10.03	on mkt buy	AUD	ORD	92,784	92,784
BlackRock Advisors (UK) Limited	29-Jun-18	yes	10.03	on mkt buy	AUD	ORD	7,504	7,504
BlackRock Fund Advisors	29-Jun-18	yes	10.03	on mkt buy	AUD	ORD	10,227	10,227
BlackRock Fund Advisors	29-Jun-18	no	n/a	in specie	AUD	ORD	4,895	4,895
BlackRock Advisors (UK) Limited	03-Jul-18	yes	9.92	on mkt buy	AUD	ORD	7,504	7,504
BlackRock Institutional Trust Company, National Association	03-Jul-18	yes	9.92	on mkt buy	AUD	ORD	2,610	2,610
BlackRock Fund Advisors	03-Jul-18	no	n/a	in specie	AUD	ORD	2,966	2,966
BlackRock Japan Co., Ltd.	03-Jul-18	no	n/a	collateral transfer	AUD	ORD	183,653	183,653
BlackRock Advisors (UK) Limited	03-Jul-18	no	n/a	collateral transfer	AUD	ORD	1,771,864	1,771,864
BlackRock Financial Management, Inc.	03-Jul-18	no	n/a	collateral transfer	AUD	ORD	21	21
BlackRock Investment Management, LLC	03-Jul-18	no	n/a	collateral transfer	AUD	ORD	119,333	119,333
BlackRock Investment Management (UK) Limited	03-Jul-18	no	n/a	collateral transfer	AUD	ORD	116,898	116,898
BlackRock Asset Management North Asia Limited	03-Jul-18	no	n/a	collateral transfer	AUD	ORD	86,285	86,285
BlackRock Investment Management (Australia) Limited	04-Jul-18	yes	9.90	on mkt buy	AUD	ORD	24,041	24,041
BlackRock Advisors (UK) Limited	04-Jul-18	yes	9.88	on mkt buy	AUD	ORD	3,753	3,753
BlackRock Financial Management, Inc.	04-Jul-18	no	n/a	collateral transfer	AUD	ORD	1	1
BlackRock Investment Management, LLC	04-Jul-18	no	n/a	collateral transfer	AUD	ORD	8,487	8,487
BlackRock Investment Management (UK) Limited	04-Jul-18	no	n/a	collateral transfer	AUD	ORD	17,642	17,642
BlackRock Asset Management North Asia Limited	04-Jul-18	no	n/a	collateral transfer	AUD	ORD	324	324
BlackRock Fund Advisors	05-Jul-18	yes	9.89	on mkt buy	AUD	ORD	10,391	10,391
BlackRock Fund Advisors	05-Jul-18	no	n/a	in specie	AUD	ORD	3,623	3,623
BlackRock Japan Co., Ltd.	05-Jul-18	no	n/a	collateral transfer	AUD	ORD	45,822	45,822

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			Cash	Non-cash	CCY		
BlackRock Financial Management, Inc.	05-Jul-18	no	n/a	collateral transfer	AUD	ORD 123,440	123,440
BlackRock Investment Management, LLC	05-Jul-18	no	n/a	collateral transfer	AUD	ORD 130,248	130,248
BlackRock Investment Management (UK) Limited	05-Jul-18	no	n/a	collateral transfer	AUD	ORD 872,044	872,044
BlackRock Fund Advisors	06-Jul-18	yes	10.15	on mkt buy	AUD	ORD 16,544	16,544
BlackRock Institutional Trust Company, National Association	06-Jul-18	yes	10.15	on mkt buy	AUD	ORD 24,862	24,862
BlackRock Institutional Trust Company, National Association	06-Jul-18	yes	10.15	on mkt buy	AUD	ORD 6,859	6,859
BlackRock Fund Advisors	06-Jul-18	yes	10.15	on mkt buy	AUD	ORD 9,700	9,700
BlackRock Japan Co., Ltd.	06-Jul-18	no	n/a	collateral transfer	AUD	ORD 16,526	16,526
BlackRock Advisors (UK) Limited	06-Jul-18	no	n/a	collateral transfer	AUD	ORD 75,182	75,182
BlackRock Financial Management, Inc.	06-Jul-18	no	n/a	collateral transfer	AUD	ORD 23,533	23,533
BlackRock Investment Management (UK) Limited	06-Jul-18	no	n/a	collateral transfer	AUD	ORD 152,228	152,228
BlackRock Asset Management North Asia Limited	06-Jul-18	no	n/a	collateral transfer	AUD	ORD 3,202	3,202
BlackRock Institutional Trust Company, National Association	09-Jul-18	yes	10.07	on mkt buy	AUD	ORD 18,651	18,651
BlackRock Asset Management Canada Limited	09-Jul-18	yes	10.07	on mkt buy	AUD	ORD 15,073	15,073
BlackRock (Netherlands) B.V.	09-Jul-18	yes	10.07	on mkt buy	AUD	ORD 924	924
BlackRock Institutional Trust Company, National Association	09-Jul-18	yes	10.07	on mkt buy	AUD	ORD 16,040	16,040
BlackRock Fund Advisors	09-Jul-18	no	n/a	in specie	AUD	ORD 3,623	3,623
BlackRock Advisors, LLC	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 8,828	8,828
BlackRock Institutional Trust Company, National Association	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 391	391
BlackRock Advisors, LLC	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 50	50
BlackRock Advisors, LLC	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 2,583	2,583
BlackRock Investment Management, LLC	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 101	101
BlackRock Investment Management, LLC	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 986	986
BlackRock Investment Management, LLC	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 148	148
BlackRock Investment Management, LLC	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 4,432	4,432
BlackRock Investment Management (Australia) Limited	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 173	173
BlackRock Investment Management, LLC	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 302	302
BlackRock Investment Management, LLC	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 477	477
BlackRock Advisors (UK) Limited	10-Jul-18	yes	10.16	on mkt buy	AUD	ORD 114,900	114,900
BlackRock Advisors (UK) Limited	10-Jul-18	yes	10.09	on mkt buy	AUD	ORD 1,228	1,228
BlackRock Institutional Trust Company, National Association	10-Jul-18	yes	10.09	on mkt buy	AUD	ORD 5,376	5,376
BlackRock Institutional Trust Company, National Association	10-Jul-18	no	n/a	in specie	AUD	ORD 89,984	89,984
BlackRock Advisors (UK) Limited	10-Jul-18	no	n/a	collateral transfer	AUD	ORD 1,148,748	1,148,748
BlackRock Investment Management, LLC	11-Jul-18	yes	9.98	on mkt buy	AUD	ORD 1,267	1,267
BlackRock Advisors (UK) Limited	11-Jul-18	yes	9.73	on mkt buy	AUD	ORD 3,070	3,070
BlackRock Fund Advisors	11-Jul-18	yes	9.73	on mkt buy	AUD	ORD 5,943	5,943
BlackRock Advisors (UK) Limited	11-Jul-18	no	n/a	collateral transfer	AUD	ORD 22,171	22,171
BlackRock Advisors (UK) Limited	12-Jul-18	yes	9.43	on mkt buy	AUD	ORD 4,326	4,326
BlackRock Fund Advisors	12-Jul-18	no	n/a	in specie	AUD	ORD 71,253	71,253
BlackRock Japan Co., Ltd.	12-Jul-18	no	n/a	collateral transfer	AUD	ORD 11,527	11,527
BlackRock Financial Management, Inc.	12-Jul-18	no	n/a	collateral transfer	AUD	ORD 19	19
BlackRock Investment Management, LLC	12-Jul-18	no	n/a	collateral transfer	AUD	ORD 81,180	81,180
BlackRock Investment Management (UK) Limited	12-Jul-18	no	n/a	collateral transfer	AUD	ORD 98,487	98,487
BlackRock Asset Management North Asia Limited	12-Jul-18	no	n/a	collateral transfer	AUD	ORD 71,150	71,150
BlackRock Advisors (UK) Limited	13-Jul-18	yes	9.72	on mkt buy	AUD	ORD 1,194	1,194
BlackRock Japan Co., Ltd.	13-Jul-18	no	n/a	collateral transfer	AUD	ORD 16,156	16,156
BlackRock Financial Management, Inc.	13-Jul-18	no	n/a	collateral transfer	AUD	ORD 19	19
BlackRock Investment Management, LLC	13-Jul-18	no	n/a	collateral transfer	AUD	ORD 84,531	84,531

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BlackRock Investment Management (UK) Limited	13-Jul-18	no	n/a	collateral transfer	AUD	ORD	93,247	93,247
BlackRock Asset Management North Asia Limited	13-Jul-18	no	n/a	collateral transfer	AUD	ORD	59,064	59,064
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	18	18
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 Institutional Trust Company, National Association	18-Jul-18	yes	9.36	on mkt buy	AUD	ORD	1,111	1,111
BlackRock Asset Management Canada Limited	18-Jul-18	yes	9.36	on mkt buy	AUD	ORD	3,106	3,106
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	7	7
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 Institutional Trust Company, National Association	19-Jul-18	yes	9.33	on mkt buy	AUD	ORD	525	525
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 Institutional Trust Company, National Association	20-Jul-18	yes	9.44	on mkt buy	AUD	ORD	660	660
BlackRock Investment Management, LLC	20-Jul-18	yes	9.44	on mkt buy	AUD	ORD	1,461	1,461
BlackRock Asset Management Canada Limited	20-Jul-18	yes	9.44	on mkt buy	AUD	ORD	2,192	2,192
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

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BlackRock Japan Co., Ltd.	20-Jul-18	no	n/a	collateral transfer	AUD	ORD	4,673	4,673
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	890,038	890,038
BlackRock Investment Management (UK) Limited	20-Jul-18	no	n/a	collateral transfer	AUD	ORD	108,522	108,522
BlackRock Institutional Trust Company, National Association	23-Jul-18	yes	9.41	on mkt buy	AUD	ORD	2,195	2,195
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 Asset Management Canada Limited	25-Jul-18	yes	9.47	on mkt buy	AUD	ORD	2,439	2,439
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 Investment Management (UK) Limited	26-Jul-18	no	n/a	in specie	AUD	ORD	6,942	6,942
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 Institutional Trust Company, National Association	31-Jul-18	yes	9.74	on mkt buy	AUD	ORD	2,416	2,416

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			Cash	Non-cash	CCY			
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
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 Asset Management Canada Limited	31-Jul-18	yes	9.74	on mkt buy	AUD	ORD	4,752	4,752
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

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.	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
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

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

Maria Tricarico,
Authorised Signatory

22-Aug-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

..... 22-Aug-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.