

# Form 603

Corporations Act 2001  
Section 671B

## Notice of initial substantial holder

To Company Name/Scheme \_\_\_\_\_

ACN/ARSN \_\_\_\_\_

### 1. Details of substantial holder (1)

Name \_\_\_\_\_

ACN/ARSN (if applicable) \_\_\_\_\_

The holder became a substantial holder on \_\_\_\_\_ / \_\_\_\_ / \_\_\_\_

### 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)

### 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

### 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

### 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	

**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

**7. Addresses**

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

Name	Address

## Signature

print name

capacity

**sign here**

date / /

**\* 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.

11-Mar-16

Kayla McGrory,  
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	CCY	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.	BNYM-BONY BRUSSELS		NZD	ord 10,338	10,338	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		NZD	ord 100,914	100,914	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.	BNP Paribas Securities Services Singapore		NZD	ord 10,282	10,282	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		NZD	ord 2,084,408	2,084,408	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.	CB-CACEIS BANK LUXEMBOURG		NZD	ord 5,776	5,776	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		NZD	ord 40,728	40,728	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		NZD	ord 390,373	390,373	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		NZD	ord 180,609	180,609	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-DEXIA BIL- LONDON		NZD	ord 181,274	181,274	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 BANK, GERMANY		NZD	ord 3,290	3,290	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		NZD	ord 641,641	641,641	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		NZD	ord 214,011	214,011	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		NZD	ord 41,146	41,146	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		NZD	ord 373,320	373,320	subsidiary of BlackRock Inc.
BlackRock Asset Management Deutschland AG	Power to 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		NZD	ord 1,539,763	1,539,763	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		NZD	ord 3,512	3,512	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	CCY	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.	Northern Trust Singapore		NZD	ord 986	986	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC - LONDON		NZD	ord 12,992	12,992	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC, HONG KONG		NZD	ord 12,169	12,169	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		NZD	ord 6,821	6,821	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.	RBC-ROYAL TRUST - TORONTO		NZD	ord 36,072	36,072	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		NZD	ord 107,482	107,482	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		NZD	ord 16,252	16,252	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		NZD	ord 140,105	140,105	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		NZD	ord 30,613	30,613	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		NZD	ord 13,512,860	13,512,860	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-MELLON TRUST - NEW YORK		NZD	ord 872,318	872,318	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		NZD	ord 165,556	165,556	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		NZD	ord 265,821	265,821	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		NZD	ord 8,761	8,761	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		NZD	ord 491,123	491,123	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		NZD	ord 374,094	374,094	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		NZD	ord 45,282	45,282	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 LONDON		NZD	ord 45,373	45,373	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		NZD	ord 7,916,744	7,916,744	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		NZD	ord 86,791	86,791	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	CCY	Class and number of Securities	Person's votes	Nature of Association
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		NZD	ord 277,044	277,044	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.	SSB-SSB NEW YORK INSTITUTIONAL		NZD	ord 18,023	18,023	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		NZD	ord 15,559	15,559	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.	SSB-STATE STREET AUSTRALIA		AUD	ord 3,467	3,467	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		NZD	ord 26,379	26,379	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 BRUSSELS		NZD	ord 263,847	263,847	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		NZD	ord 304,446	304,446	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		NZD	ord 1,097	1,097	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		NZD	ord 644,902	644,902	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		NZD	ord 55,214	55,214	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	KAS-KAS BANK - AMSTERDAM		NZD	ord 57,246	57,246	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		NZD	ord 24,649	24,649	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		NZD	ord 167,723	167,723	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		NZD	ord 33,261	33,261	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		NZD	ord 129,043	129,043	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		NZD	ord 39,504	39,504	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET LONDON		NZD	ord 415,541	415,541	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-MELLON TRUST - NEW YORK		NZD	ord 240,406	240,406	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		AUD	ord 31,967	31,967	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		AUD	ord 14,684	14,684	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	CCY	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.	JPM-JP MORGAN CHASE - NEW YORK		NZD	ord 446,278	446,278	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - LONDON		NZD	ord 19,867	19,867	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		NZD	ord 25,315	25,315	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		NZD	ord 1,203	1,203	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		NZD	ord 2,499	2,499	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		NZD	ord 5,797	5,797	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		NZD	ord 61,402	61,402	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		NZD	ord 633,929	633,929	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.	Mitsubishi UFJ Global Custody S. A		NZD	ord 11,374	11,374	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	MITSUI-SUMITOMO TRUST		NZD	ord 2,280	2,280	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		NZD	ord 9,969	9,969	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		AUD	ord 59,435	59,435	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		NZD	ord 120,562	120,562	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		AUD	ord 127,434	127,434	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 - LONDON		NZD	ord 20,230	20,230	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		AUD	ord 395,909	395,909	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		NZD	ord 46,875	46,875	subsidiary of BlackRock Inc.

This is Annexure B of 4 pages referred to in form 603 Notice of initial substantial shareholder

11-Mar-16

**Kayla McGrory,**  
**Authorised Signatory**

**Date****5. Consideration**

FLETCHER BUILDING LTD (FBU)								
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	CCY	Non-cash			
BlackRock Fund Advisors	10-Nov-15	no	n/a	NZD	in specie	ord	7,944	7,944
BlackRock Fund Advisors	10-Nov-15	no	n/a	NZD	in specie	ord	9,930	9,930
BlackRock Asset Management Deutschland AG	10-Nov-15	yes	7.53	NZD	on mkt buy	ord	2,181	2,181
BlackRock Fund Advisors	10-Nov-15	no	n/a	NZD	in specie	ord	11,029	11,029
BlackRock Financial Management, Inc.	10-Nov-15	yes	7.57	NZD	on mkt buy	ord	6,821	6,821
BlackRock Fund Advisors	11-Nov-15	no	n/a	NZD	in specie	ord	6,030	6,030
BlackRock Fund Advisors	11-Nov-15	no	n/a	NZD	in specie	ord	7,944	7,944
BlackRock Fund Advisors	11-Nov-15	no	n/a	NZD	in specie	ord	1,445	1,445
BlackRock Fund Advisors	11-Nov-15	no	n/a	NZD	in specie	ord	1,445	1,445
BlackRock Fund Advisors	11-Nov-15	no	n/a	NZD	in specie	ord	1,884	1,884
BlackRock Fund Advisors	12-Nov-15	no	n/a	NZD	in specie	ord	5,958	5,958
BlackRock Advisors (UK) Limited	16-Nov-15	yes	7.38	NZD	on mkt buy	ord	2,722	2,722
BlackRock Institutional Trust Company, National Association	16-Nov-15	yes	7.38	NZD	on mkt buy	ord	2,307	2,307
BlackRock Fund Advisors	18-Nov-15	no	n/a	NZD	in specie	ord	942	942
BlackRock Advisors (UK) Limited	18-Nov-15	yes	7.08	NZD	on mkt buy	ord	303	303
BlackRock Advisors (UK) Limited	18-Nov-15	yes	7.08	NZD	on mkt buy	ord	2,121	2,121
BlackRock Asset Management Deutschland AG	18-Nov-15	yes	7.08	NZD	on mkt buy	ord	3,825	3,825
BlackRock Fund Advisors	19-Nov-15	no	n/a	NZD	in specie	ord	7,944	7,944
BlackRock Asset Management Canada Limited	19-Nov-15	no	n/a	NZD	in specie	ord	2,371	2,371
BlackRock Fund Advisors	20-Nov-15	no	n/a	NZD	in specie	ord	350	350
BlackRock Fund Advisors	20-Nov-15	no	n/a	NZD	in specie	ord	2,625	2,625
BlackRock Institutional Trust Company, National Association	23-Nov-15	no	n/a	NZD	in specie	ord	41,809	41,809
BlackRock Advisors (UK) Limited	24-Nov-15	yes	7.12	NZD	on mkt buy	ord	1,192	1,192
BlackRock Fund Advisors	24-Nov-15	no	n/a	NZD	in specie	ord	5,780	5,780
BlackRock Advisors (UK) Limited	24-Nov-15	yes	7.12	NZD	on mkt buy	ord	909	909
BlackRock Investment Management (Australia) Limited	26-Nov-15	yes	6.47	AUD	on mkt buy	ord	20,945	20,945
BlackRock Advisors, LLC	30-Nov-15	yes	7.29	NZD	on mkt buy	ord	32,129	32,129
BlackRock Fund Advisors	30-Nov-15	yes	7.29	NZD	on mkt buy	ord	138,240	138,240
BlackRock Institutional Trust Company, National Association	30-Nov-15	yes	7.29	NZD	on mkt buy	ord	11,773	11,773
BlackRock Institutional Trust Company, National Association	30-Nov-15	yes	7.29	NZD	on mkt buy	ord	25,469	25,469
BlackRock Institutional Trust Company, National Association	30-Nov-15	yes	7.29	NZD	on mkt buy	ord	2,357	2,357
BlackRock Institutional Trust Company, National Association	30-Nov-15	yes	7.29	NZD	on mkt buy	ord	8,775	8,775
BlackRock Advisors (UK) Limited	30-Nov-15	yes	7.29	NZD	on mkt buy	ord	2,128	2,128
BlackRock Investment Management (Australia) Limited	30-Nov-15	yes	6.60	AUD	on mkt buy	ord	59,072	59,072
BlackRock Advisors (UK) Limited	01-Dec-15	yes	7.28	NZD	on mkt buy	ord	318	318
BlackRock Asset Management Canada Limited	01-Dec-15	yes	7.28	NZD	on mkt buy	ord	2,350	2,350
BlackRock Fund Advisors	02-Dec-15	no	n/a	NZD	in specie	ord	3,972	3,972
BlackRock Advisors (UK) Limited	02-Dec-15	yes	7.34	NZD	on mkt buy	ord	652	652
BlackRock Asset Management Deutschland AG	03-Dec-15	yes	7.24	NZD	on mkt buy	ord	4,376	4,376
BlackRock Advisors (UK) Limited	04-Dec-15	yes	7.19	NZD	on mkt buy	ord	1,815	1,815
BlackRock Advisors (UK) Limited	04-Dec-15	yes	7.19	NZD	on mkt buy	ord	3,333	3,333
BlackRock Advisors (UK) Limited	04-Dec-15	yes	7.19	NZD	on mkt buy	ord	192	192
BlackRock Fund Advisors	04-Dec-15	yes	7.19	NZD	on mkt buy	ord	18,463	18,463
BlackRock Japan Co., Ltd.	04-Dec-15	yes	7.14	NZD	on mkt buy	ord	605	605
BlackRock Fund Advisors	07-Dec-15	no	n/a	NZD	in specie	ord	7,944	7,944
BlackRock Investment Management (UK) Limited	08-Dec-15	no	n/a	NZD	in specie	ord	2,150	2,150
BlackRock Advisors (UK) Limited	08-Dec-15	yes	6.95	NZD	on mkt buy	ord	304	304
BlackRock Fund Advisors	08-Dec-15	no	n/a	NZD	in specie	ord	31,259	31,259

Holder of Relevant Interest	Date of Acquisition /		Consideration			Class and number of securities affected	Person's votes affected	
	Trans on a prescribed fin'l mkt		Cash	CCY	Non-cash			
BlackRock Advisors (UK) Limited	08-Dec-15	yes	6.95	NZD	on mkt buy	ord	43,546	43,546
BlackRock Investment Management (UK) Limited	08-Dec-15	yes	6.95	NZD	on mkt buy	ord	14,014	14,014
BlackRock Institutional Trust Company, National Association	08-Dec-15	yes	7.05	NZD	on mkt buy	ord	12,023	12,023
BlackRock Fund Advisors	09-Dec-15	no	n/a	NZD	in specie	ord	5,958	5,958
BlackRock Advisors (UK) Limited	10-Dec-15	yes	6.98	NZD	on mkt buy	ord	608	608
BlackRock Fund Advisors	10-Dec-15	no	n/a	NZD	in specie	ord	9,521	9,521
BlackRock Fund Advisors	11-Dec-15	no	n/a	NZD	in specie	ord	670	670
BlackRock Fund Advisors	11-Dec-15	no	n/a	NZD	in specie	ord	2,345	2,345
BlackRock Fund Advisors	11-Dec-15	no	n/a	NZD	in specie	ord	13,902	13,902
BlackRock Fund Advisors	11-Dec-15	no	n/a	NZD	in specie	ord	21,846	21,846
BlackRock Fund Advisors	11-Dec-15	no	n/a	NZD	in specie	ord	3,804	3,804
BlackRock Advisors (UK) Limited	11-Dec-15	yes	7.00	NZD	on mkt buy	ord	1,212	1,212
BlackRock Fund Advisors	14-Dec-15	no	n/a	NZD	in specie	ord	7,944	7,944
BlackRock Advisors (UK) Limited	14-Dec-15	yes	6.96	NZD	on mkt buy	ord	909	909
BlackRock Advisors (UK) Limited	14-Dec-15	yes	6.96	NZD	on mkt buy	ord	1,515	1,515
BlackRock Fund Advisors	14-Dec-15	no	n/a	NZD	in specie	ord	1,902	1,902
BlackRock Fund Advisors	14-Dec-15	no	n/a	NZD	in specie	ord	9,930	9,930
BlackRock Advisors (UK) Limited	15-Dec-15	yes	6.92	NZD	on mkt buy	ord	303	303
BlackRock Advisors (UK) Limited	15-Dec-15	yes	6.92	NZD	on mkt buy	ord	909	909
BlackRock Fund Advisors	15-Dec-15	no	n/a	NZD	in specie	ord	488	488
BlackRock Asset Management Canada Limited	15-Dec-15	yes	6.92	NZD	on mkt buy	ord	1,338	1,338
BlackRock Advisors (UK) Limited	16-Dec-15	yes	6.90	NZD	on mkt buy	ord	309	309
BlackRock Fund Advisors	16-Dec-15	no	n/a	NZD	in specie	ord	2,345	2,345
BlackRock Fund Advisors	16-Dec-15	no	n/a	NZD	in specie	ord	11,916	11,916
BlackRock Advisors (UK) Limited	16-Dec-15	yes	6.90	NZD	on mkt buy	ord	1,807	1,807
BlackRock Fund Advisors	17-Dec-15	no	n/a	NZD	in specie	ord	5,958	5,958
BlackRock Fund Advisors	17-Dec-15	no	n/a	NZD	in specie	ord	5,958	5,958
BlackRock Institutional Trust Company, National Association	17-Dec-15	no	n/a	NZD	in specie	ord	1,135	1,135
BlackRock Institutional Trust Company, National Association	17-Dec-15	yes	7.03	NZD	on mkt buy	ord	4,936	4,936
BlackRock Fund Advisors	17-Dec-15	no	n/a	NZD	in specie	ord	3,870	3,870
BlackRock Fund Advisors	18-Dec-15	no	n/a	NZD	in specie	ord	2,680	2,680
BlackRock Fund Advisors	18-Dec-15	no	n/a	NZD	in specie	ord	29,790	29,790
BlackRock Fund Advisors	18-Dec-15	no	n/a	NZD	in specie	ord	5,812	5,812
BlackRock Advisors (UK) Limited	18-Dec-15	yes	7.00	NZD	on mkt buy	ord	1,337	1,337
BlackRock Investment Management, LLC	18-Dec-15	yes	7.00	NZD	on mkt buy	ord	2,243	2,243
BlackRock Fund Advisors	21-Dec-15	no	n/a	NZD	in specie	ord	244	244
BlackRock Fund Advisors	22-Dec-15	no	n/a	NZD	in specie	ord	2,010	2,010
BlackRock Advisors (UK) Limited	22-Dec-15	yes	7.11	NZD	on mkt buy	ord	606	606
BlackRock Asset Management Deutschland AG	22-Dec-15	yes	7.11	NZD	on mkt buy	ord	8,748	8,748
BlackRock Investment Management (UK) Limited	22-Dec-15	yes	7.05	NZD	on mkt buy	ord	3,200	3,200
BlackRock Advisors, LLC	22-Dec-15	yes	7.11	NZD	on mkt buy	ord	1,170	1,170
BlackRock Fund Advisors	23-Dec-15	no	n/a	NZD	in specie	ord	7,705	7,705
BlackRock Fund Advisors	23-Dec-15	no	n/a	NZD	in specie	ord	3,778	3,778
BlackRock Advisors (UK) Limited	23-Dec-15	yes	7.18	NZD	on mkt buy	ord	1,212	1,212
BlackRock Advisors (UK) Limited	23-Dec-15	yes	7.13	NZD	on mkt buy	ord	1,515	1,515
BlackRock Fund Advisors	23-Dec-15	no	n/a	NZD	in specie	ord	732	732
BlackRock Fund Advisors	23-Dec-15	no	n/a	NZD	in specie	ord	2,345	2,345
BlackRock Fund Advisors	23-Dec-15	no	n/a	NZD	in specie	ord	15,760	15,760
BlackRock Fund Advisors	29-Dec-15	yes	7.20	NZD	on mkt buy	ord	34,653	34,653
BlackRock Advisors (UK) Limited	30-Dec-15	yes	7.29	NZD	on mkt buy	ord	2,121	2,121
BlackRock Advisors (UK) Limited	30-Dec-15	yes	7.28	NZD	on mkt buy	ord	2,121	2,121
BlackRock Advisors (UK) Limited	30-Dec-15	yes	7.29	NZD	on mkt buy	ord	192	192
BlackRock Advisors (UK) Limited	30-Dec-15	yes	7.28	NZD	on mkt buy	ord	192	192
BlackRock Advisors (UK) Limited	30-Dec-15	yes	7.29	NZD	on mkt buy	ord	1,333	1,333
BlackRock Japan Co., Ltd.	30-Dec-15	yes	7.25	NZD	on mkt buy	ord	1,460	1,460
BlackRock Advisors (UK) Limited	05-Jan-16	yes	7.37	NZD	on mkt buy	ord	3,030	3,030
BlackRock Advisors (UK) Limited	05-Jan-16	yes	7.37	NZD	on mkt buy	ord	9,393	9,393
BlackRock Institutional Trust Company, National Association	05-Jan-16	yes	7.37	NZD	on mkt buy	ord	12,023	12,023
BlackRock Advisors (UK) Limited	06-Jan-16	yes	7.21	NZD	on mkt buy	ord	1,807	1,807
BlackRock Fund Advisors	06-Jan-16	no	n/a	NZD	in specie	ord	1,889	1,889
BlackRock Advisors (UK) Limited	06-Jan-16	yes	7.21	NZD	on mkt buy	ord	912	912
BlackRock Investment Management, LLC	07-Jan-16	yes	7.16	NZD	on mkt buy	ord	17,920	17,920
BlackRock Advisors (UK) Limited	07-Jan-16	yes	7.16	NZD	on mkt buy	ord	1,216	1,216
BlackRock Advisors (UK) Limited	08-Jan-16	yes	7.04	NZD	on mkt buy	ord	1,807	1,807
BlackRock Asset Management Deutschland AG	08-Jan-16	yes	7.04	NZD	on mkt buy	ord	10,945	10,945
BlackRock Advisors (UK) Limited	08-Jan-16	yes	7.04	NZD	on mkt buy	ord	1,334	1,334



Holder of Relevant Interest	Date of Acquisition /		Consideration			Class and number of securities affected	Person's votes affected	
	Trans on a prescribed fin'l mkt		Cash	CCY	Non-cash			
BlackRock Fund Advisors	11-Jan-16	yes	6.88	NZD	on mkt buy	ord	7,399	7,399
BlackRock Investment Management, LLC	12-Jan-16	yes	6.36	AUD	on mkt buy	ord	13,178	13,178
BlackRock Advisors (UK) Limited	13-Jan-16	yes	6.80	NZD	on mkt buy	ord	596	596
BlackRock Advisors (UK) Limited	13-Jan-16	yes	6.80	NZD	on mkt buy	ord	5,454	5,454
BlackRock Institutional Trust Company, National Association	13-Jan-16	yes	6.80	NZD	on mkt buy	ord	14,574	14,574
BlackRock Investment Management (Australia) Limited	13-Jan-16	yes	6.80	NZD	on mkt buy	ord	16,662	16,662
BlackRock Advisors, LLC	14-Jan-16	yes	6.76	NZD	on mkt buy	ord	63,134	63,134
BlackRock Investment Management (Australia) Limited	14-Jan-16	yes	6.76	NZD	on mkt buy	ord	18,404	18,404
BlackRock Advisors (UK) Limited	14-Jan-16	yes	6.76	NZD	on mkt buy	ord	2,668	2,668
BlackRock Institutional Trust Company, National Association	15-Jan-16	yes	6.93	NZD	on mkt buy	ord	39,415	39,415
BlackRock Investment Management (Australia) Limited	15-Jan-16	yes	7.79	AUD	on mkt buy	ord	2,277	2,277
BlackRock Institutional Trust Company, National Association	19-Jan-16	yes	6.78	NZD	on mkt buy	ord	45,192	45,192
BlackRock Advisors (UK) Limited	20-Jan-16	yes	6.76	NZD	on mkt buy	ord	1,515	1,515
BlackRock Advisors (UK) Limited	20-Jan-16	yes	6.76	NZD	on mkt buy	ord	1,515	1,515
BlackRock Institutional Trust Company, National Association	21-Jan-16	yes	6.77	NZD	on mkt buy	ord	12,181	12,181
BlackRock Institutional Trust Company, National Association	21-Jan-16	yes	6.77	NZD	on mkt buy	ord	39,518	39,518
BlackRock Institutional Trust Company, National Association	21-Jan-16	yes	6.77	NZD	on mkt buy	ord	125,970	125,970
BlackRock Advisors (UK) Limited	21-Jan-16	yes	6.77	NZD	on mkt buy	ord	5,336	5,336
BlackRock Fund Advisors	25-Jan-16	yes	6.98	NZD	on mkt buy	ord	24,114	24,114
BlackRock Advisors (UK) Limited	25-Jan-16	yes	6.98	NZD	on mkt buy	ord	2,670	2,670
BlackRock Advisors, LLC	25-Jan-16	yes	6.83	NZD	on mkt buy	ord	2,934	2,934
BlackRock Investment Management, LLC	26-Jan-16	yes	6.99	NZD	on mkt buy	ord	2,499	2,499
BlackRock Advisors (UK) Limited	28-Jan-16	yes	6.91	NZD	on mkt buy	ord	6,670	6,670
BlackRock Investment Management (UK) Limited	29-Jan-16	yes	6.88	NZD	on mkt buy	ord	3,564	3,564
BlackRock Fund Advisors	29-Jan-16	yes	6.89	NZD	on mkt buy	ord	66,193	66,193
BlackRock Advisors (UK) Limited	29-Jan-16	yes	6.89	NZD	on mkt buy	ord	6,384	6,384
BlackRock Asset Management Deutschland AG	29-Jan-16	yes	6.89	NZD	on mkt buy	ord	16,140	16,140
BlackRock Institutional Trust Company, National Association	29-Jan-16	yes	6.89	NZD	on mkt buy	ord	17,530	17,530
BlackRock Investment Management (UK) Limited	29-Jan-16	yes	6.89	NZD	on mkt buy	ord	2,430	2,430
BlackRock Japan Co., Ltd.	29-Jan-16	yes	6.89	NZD	on mkt buy	ord	2,280	2,280
BlackRock Fund Advisors	03-Feb-16	no	n/a	NZD	in specie	ord	30,764	30,764
BlackRock Advisors (UK) Limited	03-Feb-16	yes	7.14	NZD	on mkt buy	ord	4,005	4,005
BlackRock Institutional Trust Company, National Association	03-Feb-16	yes	7.14	NZD	on mkt buy	ord	5,129	5,129
BlackRock Investment Management (Australia) Limited	08-Feb-16	yes	6.59	AUD	on mkt buy	ord	3,467	3,467
BlackRock Advisors (UK) Limited	11-Feb-16	yes	6.69	NZD	on mkt buy	ord	2,727	2,727
BlackRock Advisors (UK) Limited	12-Feb-16	yes	6.67	NZD	on mkt buy	ord	1,814	1,814
BlackRock Advisors (UK) Limited	12-Feb-16	yes	6.67	NZD	on mkt buy	ord	3,040	3,040
BlackRock Investment Management (Australia) Limited	12-Feb-16	yes	6.20	AUD	on mkt buy	ord	952	952
BlackRock Asset Management Canada Limited	16-Feb-16	yes	6.85	NZD	on mkt buy	ord	16,942	16,942
BlackRock Institutional Trust Company, National Association	17-Feb-16	no	n/a	NZD	in specie	ord	180,204	180,204
BlackRock Advisors (UK) Limited	18-Feb-16	yes	6.60	NZD	on mkt buy	ord	1,814	1,814
BlackRock Advisors (UK) Limited	18-Feb-16	yes	6.60	NZD	on mkt buy	ord	608	608
BlackRock Advisors (UK) Limited	18-Feb-16	yes	6.61	NZD	on mkt buy	ord	3,344	3,344
BlackRock Advisors (UK) Limited	19-Feb-16	yes	6.57	NZD	on mkt buy	ord	3,040	3,040
BlackRock Investment Management (UK) Limited	22-Feb-16	yes	6.60	NZD	on mkt buy	ord	11,204	11,204
BlackRock Fund Advisors	22-Feb-16	no	n/a	NZD	in specie	ord	213	213
BlackRock Advisors (UK) Limited	24-Feb-16	yes	6.90	NZD	on mkt buy	ord	304	304
BlackRock Advisors (UK) Limited	24-Feb-16	yes	6.90	NZD	on mkt buy	ord	1,819	1,819
BlackRock Investment Management (UK) Limited	25-Feb-16	yes	6.91	NZD	on mkt buy	ord	4,476	4,476
BlackRock Advisors (UK) Limited	25-Feb-16	yes	6.98	NZD	on mkt buy	ord	1,340	1,340
BlackRock Investment Management (UK) Limited	26-Feb-16	no	n/a	NZD	in specie	ord	5,320	5,320
BlackRock Investment Management (UK) Limited	29-Feb-16	yes	7.15	NZD	on mkt buy	ord	19,004	19,004

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	CCY	Non-cash			
BlackRock Institutional Trust Company, National Association	29-Feb-16	yes	7.15	NZD	on mkt buy	ord	1,878	1,878
BlackRock Institutional Trust Company, National Association	29-Feb-16	yes	7.15	NZD	on mkt buy	ord	12,531	12,531
BlackRock Fund Advisors	29-Feb-16	yes	7.15	NZD	on mkt buy	ord	9,687	9,687
BlackRock (Netherlands) B.V.	29-Feb-16	no	n/a	NZD	in specie	ord	100,914	100,914
BlackRock Advisors (UK) Limited	01-Mar-16	yes	7.03	NZD	on mkt buy	ord	10,664	10,664
BlackRock Asset Management Canada Limited	01-Mar-16	yes	7.03	NZD	on mkt buy	ord	17,508	17,508
BlackRock Fund Advisors	02-Mar-16	no	n/a	NZD	in specie	ord	31,048	31,048
BlackRock Fund Advisors	03-Mar-16	yes	7.27	NZD	on mkt buy	ord	6,556	6,556
BlackRock Asset Management Deutschland AG	04-Mar-16	yes	7.38	NZD	on mkt buy	ord	6,603	6,603
BlackRock Fund Advisors	07-Mar-16	yes	7.38	NZD	on mkt buy	ord	21,414	21,414
BlackRock Investment Management (UK) Limited	08-Mar-16	yes	7.43	NZD	on mkt buy	ord	1,976	1,976
BlackRock Advisors (UK) Limited	08-Mar-16	yes	7.44	NZD	on mkt buy	ord	912	912
BlackRock Japan Co., Ltd.	08-Mar-16	yes	7.44	NZD	on mkt buy	ord	5,646	5,646
BlackRock Fund Advisors	08-Mar-16	no	n/a	NZD	in specie	ord	31,048	31,048
BlackRock Fund Advisors	08-Mar-16	yes	7.49	NZD	on mkt buy	ord	2,001	2,001
BlackRock Fund Advisors	08-Mar-16	yes	7.44	NZD	on mkt buy	ord	21,396	21,396
BlackRock Japan Co., Ltd.	08-Mar-16	yes	7.45	NZD	on mkt buy	ord	9,175	9,175
BlackRock Japan Co., Ltd.	09-Mar-16	yes	7.48	NZD	on mkt buy	ord	115,773	115,773
BlackRock Fund Advisors	09-Mar-16	no	n/a	NZD	in specie	ord	62,096	62,096
BlackRock Investment Management (UK) Limited	09-Mar-16	yes	7.48	NZD	on mkt buy	ord	15,000	15,000
BlackRock Investment Management (UK) Limited	09-Mar-16	yes	7.47	NZD	on mkt buy	ord	19,135	19,135
BlackRock Investment Management (UK) Limited	09-Mar-16	yes	7.42	NZD	on mkt buy	ord	113,105	113,105
BlackRock Fund Advisors	09-Mar-16	no	n/a	NZD	in specie	ord	313	313
BlackRock Japan Co., Ltd.	09-Mar-16	yes	7.48	NZD	on mkt buy	ord	2,199	2,199
BlackRock Institutional Trust Company, National Association	09-Mar-16	no	n/a	NZD	in specie	ord	15,304	15,304

**Annexure C**

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

**Kayla McGroary,**  
**Authorised Signatory**

11-Mar-16  
**Date**

**7. Addresses**

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

Name	Address
<b>BlackRock Group</b>	
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 Deutschland AG	Max-Joseph-Straße 6 D-80333 Munich, Germany
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)