

December 27, 2018

Company Announcement Officer

State Street Global Advisors,
Australia, Limited
(ABN 42 003 914 225)
Level 17, 420 George Street
Sydney NSW 2000
Australia

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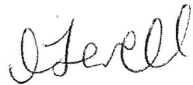
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Dear Announcement Officer

Notice of Becoming a Substantial Shareholder

Pursuant to section 671B of the Corporations Act, State Street Corporation hereby advises that it has become a substantial shareholder in Mirvac Group. The enclosed ASIC Form 603 discloses the required details

Yours faithfully,



Alison Levell
Head of Compliance

Form 603Corporations Act 2001
Section 671B**Notice of initial substantial holder**To Company Name/Scheme MIRVAC GROUPACN/ARSN 003 280 699**1. Details of substantial holder (1)**Name State Street Corporation and subsidiaries named in Annexures to this form

ACN/ARSN (if applicable) _____

The holder became a substantial holder on 21/12/2018**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	184,225,673	184,225,673	5.04%

3. Details of relevant interests

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

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

4. Details of present registered holders

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

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

7. Addresses

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

Name	Address
Annexure C	

Signature

print name **Frank Newman**

Capacity: **Authorised signatory**

sign here



date 27/12/2018

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.



27 December 2018

Frank Newman
 Authorised Signatory

- 3. Details of relevant interests
- 4. Details of present registered holders
- 6. Associates

Holder of relevant interest (Section 3, 4 and 6)	Nature of Relevant Interest (Section 3)	Registered Holder of securities (Section 4)	Person Entitled to be registered as holder (Section 4)	Class and number of Securities (Section 3 and 4)		Nature of Association (Section 6)
State Street Global Advisors (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	Bank of New York, Brussels	N.A.	Ordinary	6,548	Subsidiary of State Street Corporation
State Street Global Advisors (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	Brown Brothers Harriman	N.A.	Ordinary	699,384	Subsidiary of State Street Corporation
State Street Global Advisors (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	Brown Brothers Harriman & Co.	N.A.	Ordinary	264,030	Subsidiary of State Street Corporation
State Street Global Advisors (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	Brown Brothers Harriman.	N.A.	Ordinary	1,152,085	Subsidiary of State Street Corporation
State Street Global Advisors (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	JPMorgan Chase Bank, London 2	N.A.	Ordinary	8,853,963	Subsidiary of State Street Corporation
State Street Global Advisors (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	JPMorgan Chase Trustees	N.A.	Ordinary	113,224	Subsidiary of State Street Corporation

State Street Global Advisors (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	State Street	N.A.	Ordinary	24,112	Subsidiary of State Street Corporation
State Street Global Advisors (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	State Street Australia Ltd, Sydney	N.A.	Ordinary	234,248	Subsidiary of State Street Corporation
State Street Global Advisors (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	State Street Bank & Trust	N.A.	Ordinary	2,000,191	Subsidiary of State Street Corporation
State Street Global Advisors (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	Sumitomo Trust and Banking Co., USA	N.A.	Ordinary	359,938	Subsidiary of State Street Corporation
State Street Global Advisors 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	Bank of New York Master Custody, Brussels	N.A.	Ordinary	108,972	Subsidiary of State Street Corporation
State Street Global Advisors 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	Citibank, Hong Kong	N.A.	Ordinary	28,756	Subsidiary of State Street Corporation
State Street Global Advisors 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	JPMorgan Chase Bank Global Services Australia	N.A.	Ordinary	162,969	Subsidiary of State Street Corporation
State Street Global Advisors 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 Company, Singapore	N.A.	Ordinary	246,166	Subsidiary of State Street Corporation
State Street Global Advisors 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	N.A.	Ordinary	217,202	Subsidiary of State Street Corporation
State Street Global Advisors 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	State Street	N.A.	Ordinary	177,398	Subsidiary of State Street Corporation

State Street Global Advisors 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	State Street Bank & Trust	N.A.	Ordinary	586,213	Subsidiary of State Street Corporation
State Street Global Advisors 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	Bank of New York Master Custody, Brussels	N.A.	Ordinary	136,883	Subsidiary of State Street Corporation
State Street Global Advisors 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	BNP Paribas Australia	N.A.	Ordinary	1,086,677	Subsidiary of State Street Corporation
State Street Global Advisors 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	BNP PARIBAS SECURITIES SERVICES JER	N.A.	Ordinary	90,096	Subsidiary of State Street Corporation
State Street Global Advisors 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	JP Morgan Chase, London	N.A.	Ordinary	363,807	Subsidiary of State Street Corporation
State Street Global Advisors 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	JPMorgan Chase Bank Global Services Australia	N.A.	Ordinary	699,885	Subsidiary of State Street Corporation
State Street Global Advisors 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	National Australia Custodian Services	N.A.	Ordinary	5,192,544	Subsidiary of State Street Corporation
State Street Global Advisors 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 Company, Singapore	N.A.	Ordinary	10,720,445	Subsidiary of State Street Corporation
State Street Global Advisors 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	State Street	N.A.	Ordinary	5,421	Subsidiary of State Street Corporation

State Street Global Advisors 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	State Street Australia Ltd, Sydney	N.A.	Ordinary	8,839,885	Subsidiary of State Street Corporation
State Street Global Advisors 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	State Street Bank & Trust	N.A.	Ordinary	45,670,380	Subsidiary of State Street Corporation
State Street Global Advisors 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	The Northern Trust Co. London	N.A.	Ordinary	1,515,930	Subsidiary of State Street Corporation
State Street Global Advisors 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	Bank Of New York Mellon	N.A.	Ordinary	5,740,948	Subsidiary of State Street Corporation
State Street Global Advisors 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	Bank of New York, Brussels	N.A.	Ordinary	870,724	Subsidiary of State Street Corporation
State Street Global Advisors 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	CIBC Mellon Bank	N.A.	Ordinary	553,135	Subsidiary of State Street Corporation
State Street Global Advisors 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	Citibank N.A. New York	N.A.	Ordinary	133,238	Subsidiary of State Street Corporation
State Street Global Advisors 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 Security Services	N.A.	Ordinary	67,863	Subsidiary of State Street Corporation
State Street Global Advisors 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	JPMorgan Chase Bank, N.A.	N.A.	Ordinary	622,756	Subsidiary of State Street Corporation
State Street Global Advisors 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	Mellon Bank N.A. (Global Trust Dept.,) Pittsburgh	N.A.	Ordinary	439,386	Subsidiary of State Street Corporation

State Street Global Advisors 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	Mellon Bank, N.A.	N.A.	Ordinary	1,875,999	Subsidiary of State Street Corporation
State Street Global Advisors 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	Northern Trust Global Services London	N.A.	Ordinary	374,489	Subsidiary of State Street Corporation
State Street Global Advisors 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	Royal Trust Corporation of Canada, London	N.A.	Ordinary	345,646	Subsidiary of State Street Corporation
State Street Global Advisors 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	State Street Bank & Trust	N.A.	Ordinary	32,026,330	Subsidiary of State Street Corporation
State Street Global Advisors 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	State Street Bank Master Trust	N.A.	Ordinary	751,579	Subsidiary of State Street Corporation
State Street Global Advisors 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	State Street Mutual Funds	N.A.	Ordinary	19,243,640	Subsidiary of State Street Corporation
State Street Global Advisors 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	The Northern Trust Co. London	N.A.	Ordinary	104,339	Subsidiary of State Street Corporation
State Street Global Advisors 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	The Northern Trust Company, Chicago	N.A.	Ordinary	2,273,198	Subsidiary of State Street Corporation
State Street Global Advisors 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	JP Morgan Chase Bank	N.A.	Ordinary	96,994	Subsidiary of State Street Corporation
State Street Global Advisors 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	Bank of New York (ISITC)	N.A.	Ordinary	340,227	Subsidiary of State Street Corporation

State Street Global Advisors 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	State Street Personal Custody-2	N.A.	Ordinary	8,824	Subsidiary of State Street Corporation
State Street Global Advisors 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	Wells Fargo Global Custody	N.A.	Ordinary	1,032,897	Subsidiary of State Street Corporation
State Street Global Advisors 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	JPMorgan Chase Bank (US Private Bank), New York	N.A.	Ordinary	183,977	Subsidiary of State Street Corporation
State Street Global Advisors 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	ABN Amro Mellon Global Securities Services	N.A.	Ordinary	474,911	Subsidiary of State Street Corporation
State Street Global Advisors 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	Bank New York	N.A.	Ordinary	1,543,394	Subsidiary of State Street Corporation
State Street Global Advisors 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	Bank of New York, Brussels	N.A.	Ordinary	2,605,131	Subsidiary of State Street Corporation
State Street Global Advisors 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 , Frankfurt	N.A.	Ordinary	23,902	Subsidiary of State Street Corporation
State Street Global Advisors 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 Sec Services, Frankfurt	N.A.	Ordinary	396,934	Subsidiary of State Street Corporation
State Street Global Advisors 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, Milan	N.A.	Ordinary	18,594	Subsidiary of State Street Corporation
State Street Global Advisors 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	CACEIS Bank	N.A.	Ordinary	25,880	Subsidiary of State Street Corporation

State Street Global Advisors 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	Citibank Luxembourg	N.A.	Ordinary	179,713	Subsidiary of State Street Corporation
State Street Global Advisors 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	Istituto Centrale delle Banche Popolari Italiane	N.A.	Ordinary	14,155	Subsidiary of State Street Corporation
State Street Global Advisors 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	JP Morgan Chase, London	N.A.	Ordinary	598,087	Subsidiary of State Street Corporation
State Street Global Advisors 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	JPMorgan Chase Bank London	N.A.	Ordinary	791,029	Subsidiary of State Street Corporation
State Street Global Advisors 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 BANK, Amsterdam	N.A.	Ordinary	43,276	Subsidiary of State Street Corporation
State Street Global Advisors 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-Associatie N.V.	N.A.	Ordinary	88,589	Subsidiary of State Street Corporation
State Street Global Advisors 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 Global Services London	N.A.	Ordinary	269,281	Subsidiary of State Street Corporation
State Street Global Advisors 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	Nykredit A/S	N.A.	Ordinary	228,851	Subsidiary of State Street Corporation
State Street Global Advisors 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	Societe Generale Securities Services Milan	N.A.	Ordinary	101,027	Subsidiary of State Street Corporation
State Street Global Advisors 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	Societe Generale, Paris	N.A.	Ordinary	46,395	Subsidiary of State Street Corporation

State Street Global Advisors 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	N.A.	Ordinary	1,574,571	Subsidiary of State Street Corporation
State Street Global Advisors 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 & Trust	N.A.	Ordinary	14,589,886	Subsidiary of State Street Corporation
State Street Global Advisors 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	The Bank of New York, London	N.A.	Ordinary	479,635	Subsidiary of State Street Corporation
State Street Global Advisors 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	The Northern Trust Co. London	N.A.	Ordinary	221,768	Subsidiary of State Street Corporation
State Street Global Advisors Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee	UBS Ag , ZURICH	N.A.	Ordinary	359,128	Subsidiary of State Street Corporation
State Street Global Advisors Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee	UBS AG, Zurich	N.A.	Ordinary	534,584	Subsidiary of State Street Corporation
State Street Global Advisors 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	N.A.	Ordinary	24,094	Subsidiary of State Street Corporation
State Street Global Advisors 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	Hypo Vorarlberger Landes- und Hypothekenbank Aktiengesellschaft	N.A.	Ordinary	1,226,267	Subsidiary of State Street Corporation
State Street Global Advisors 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 S.A.	N.A.	Ordinary	180,933	Subsidiary of State Street Corporation
State Street Global Advisors 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	J.P. MORGAN BANK (IRELAND) PLC	N.A.	Ordinary	905,533	Subsidiary of State Street Corporation

State Street Global Advisors 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 Luxembourg	N.A.	Ordinary	36,584	Subsidiary of State Street Corporation
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This is Annexure B referred to in Form 603 Notice of initial substantial holder

Annexure B



27 December 2018

Frank Newman
 Authorised Signatory
 5. Consideration

Holder of relevant interest	Date of Acquisition	Nature of transaction	Consideration	Class and number of Securities affected	
State Street Global Advisors (Japan) Co., Ltd	31-Aug-2018	Purchase	2.43	Ordinary	11,633
State Street Global Advisors (Japan) Co., Ltd	07-Sep-2018	In specie contribution	n/a	Ordinary	681,926
State Street Global Advisors (Japan) Co., Ltd	10-Sep-2018	In specie contribution	n/a	Ordinary	3,998,458
State Street Global Advisors (Japan) Co., Ltd	18-Sep-2018	Purchase	2.49	Ordinary	32,319
State Street Global Advisors (Japan) Co., Ltd	19-Sep-2018	Purchase	2.44	Ordinary	131,677
State Street Global Advisors (Japan) Co., Ltd	28-Sep-2018	Purchase	2.41	Ordinary	16,074
State Street Global Advisors (Japan) Co., Ltd	23-Oct-2018	Purchase	2.25	Ordinary	25,624
State Street Global Advisors (Japan) Co., Ltd	31-Oct-2018	Purchase	2.17	Ordinary	14,051
State Street Global Advisors (Japan) Co., Ltd	05-Nov-2018	In specie contribution	n/a	Ordinary	1,186,588
State Street Global Advisors (Japan) Co., Ltd	21-Dec-2018	Purchase	2.29	Ordinary	23,397
State Street Global Advisors Australia Limited	04-Sep-2018	In specie contribution	n/a	Ordinary	39,126
State Street Global Advisors Australia Limited	06-Sep-2018	Purchase	2.47	Ordinary	94,318
State Street Global Advisors Australia Limited	17-Sep-2018	In specie contribution	n/a	Ordinary	55,504
State Street Global Advisors Australia Limited	21-Sep-2018	Purchase	2.41	Ordinary	31,340
State Street Global Advisors Australia Limited	26-Sep-2018	Purchase	2.44	Ordinary	51,248
State Street Global Advisors Australia Limited	10-Oct-2018	Purchase	2.32	Ordinary	336,156
State Street Global Advisors Australia Limited	11-Oct-2018	In specie contribution	n/a	Ordinary	77,100
State Street Global Advisors Australia Limited	18-Oct-2018	Purchase	2.27	Ordinary	66,755
State Street Global Advisors Australia Limited	18-Oct-2018	In specie contribution	n/a	Ordinary	40,979
State Street Global Advisors Australia Limited	23-Oct-2018	Purchase	2.29	Ordinary	136,883
State Street Global Advisors Australia Limited	25-Oct-2018	Purchase	2.19	Ordinary	247,734
State Street Global Advisors Australia Limited	26-Oct-2018	In specie contribution	n/a	Ordinary	76,992
State Street Global Advisors Australia Limited	01-Nov-2018	Purchase	2.12	Ordinary	509,909
State Street Global Advisors Australia Limited	01-Nov-2018	In specie contribution	n/a	Ordinary	8,170,905
State Street Global Advisors Australia Limited	13-Nov-2018	Purchase	2.23	Ordinary	35,217
State Street Global Advisors Australia Limited	16-Nov-2018	In specie contribution	n/a	Ordinary	4,045
State Street Global Advisors Australia Limited	19-Nov-2018	Purchase	2.20	Ordinary	33,462
State Street Global Advisors Australia Limited	20-Nov-2018	Purchase	2.18	Ordinary	246,034
State Street Global Advisors Australia Limited	20-Nov-2018	In specie contribution	n/a	Ordinary	1,679,006
State Street Global Advisors Australia Limited	28-Nov-2018	Purchase	2.25	Ordinary	330,980
State Street Global Advisors Australia Limited	28-Nov-2018	In specie contribution	n/a	Ordinary	20,931
State Street Global Advisors Australia Limited	29-Nov-2018	In specie contribution	n/a	Ordinary	77,616
State Street Global Advisors Australia Limited	04-Dec-2018	Purchase	2.23	Ordinary	36,446

State Street Global Advisors Australia Limited	04-Dec-2018	In specie contribution	n/a	Ordinary	4,044
State Street Global Advisors Australia Limited	05-Dec-2018	In specie contribution	n/a	Ordinary	4,045
State Street Global Advisors Australia Limited	10-Dec-2018	Purchase	2.25	Ordinary	202,664
State Street Global Advisors Australia Limited	10-Dec-2018	In specie contribution	n/a	Ordinary	4,045
State Street Global Advisors Australia Limited	13-Dec-2018	Purchase	2.28	Ordinary	1,774
State Street Global Advisors Australia Limited	13-Dec-2018	Purchase	2.26	Ordinary	132,673
State Street Global Advisors Australia Limited	13-Dec-2018	Purchase	2.28	Ordinary	1,978
State Street Global Advisors Australia Limited	19-Dec-2018	Purchase	2.30	Ordinary	95,414
State Street Global Advisors Australia Limited	20-Dec-2018	Purchase	2.33	Ordinary	86,864
State Street Global Advisors Australia Limited	21-Dec-2018	Purchase	2.29	Ordinary	1,170,139
State Street Global Advisors Inc	21-Aug-2018	In specie contribution	n/a	Ordinary	1,120
State Street Global Advisors Inc	22-Aug-2018	Purchase	2.41	Ordinary	14,395
State Street Global Advisors Inc	24-Aug-2018	In specie contribution	n/a	Ordinary	3,920
State Street Global Advisors Inc	27-Aug-2018	Purchase	2.37	Ordinary	117,299
State Street Global Advisors Inc	28-Aug-2018	In specie contribution	n/a	Ordinary	2,240
State Street Global Advisors Inc	31-Aug-2018	Purchase	2.43	Ordinary	234,798
State Street Global Advisors Inc	31-Aug-2018	In specie contribution	n/a	Ordinary	3,360
State Street Global Advisors Inc	05-Sep-2018	Purchase	2.51	Ordinary	7,777
State Street Global Advisors Inc	05-Sep-2018	In specie contribution	n/a	Ordinary	1,120
State Street Global Advisors Inc	06-Sep-2018	Purchase	2.49	Ordinary	9,144
State Street Global Advisors Inc	11-Sep-2018	Purchase	2.46	Ordinary	92,943
State Street Global Advisors Inc	12-Sep-2018	Purchase	2.45	Ordinary	7,959
State Street Global Advisors Inc	12-Sep-2018	Purchase	2.44	Ordinary	165,910
State Street Global Advisors Inc	12-Sep-2018	In specie contribution	n/a	Ordinary	5,040
State Street Global Advisors Inc	14-Sep-2018	Purchase	2.45	Ordinary	317,387
State Street Global Advisors Inc	14-Sep-2018	Purchase	2.44	Ordinary	166,534
State Street Global Advisors Inc	14-Sep-2018	In specie contribution	n/a	Ordinary	1,120
State Street Global Advisors Inc	17-Sep-2018	Purchase	2.45	Ordinary	1,136,454
State Street Global Advisors Inc	19-Sep-2018	Purchase	2.44	Ordinary	6,264
State Street Global Advisors Inc	19-Sep-2018	Purchase	2.47	Ordinary	460,709
State Street Global Advisors Inc	19-Sep-2018	In specie contribution	n/a	Ordinary	3,920
State Street Global Advisors Inc	20-Sep-2018	In specie contribution	n/a	Ordinary	1,334
State Street Global Advisors Inc	21-Sep-2018	Purchase	2.41	Ordinary	9,382
State Street Global Advisors Inc	21-Sep-2018	Purchase	2.41	Ordinary	245,975
State Street Global Advisors Inc	21-Sep-2018	In specie contribution	n/a	Ordinary	1,334
State Street Global Advisors Inc	24-Sep-2018	In specie contribution	n/a	Ordinary	1,018
State Street Global Advisors Inc	25-Sep-2018	Purchase	2.43	Ordinary	61,390
State Street Global Advisors Inc	25-Sep-2018	Purchase	2.44	Ordinary	192,319
State Street Global Advisors Inc	26-Sep-2018	Purchase	2.44	Ordinary	72,385
State Street Global Advisors Inc	26-Sep-2018	In specie contribution	n/a	Ordinary	5,076
State Street Global Advisors Inc	28-Sep-2018	Purchase	2.41	Ordinary	364,854
State Street Global Advisors Inc	01-Oct-2018	Purchase	2.37	Ordinary	22,003
State Street Global Advisors Inc	01-Oct-2018	Purchase	2.38	Ordinary	31,559
State Street Global Advisors Inc	08-Oct-2018	In specie contribution	n/a	Ordinary	89,631
State Street Global Advisors Inc	09-Oct-2018	Purchase	2.33	Ordinary	3,747
State Street Global Advisors Inc	09-Oct-2018	Purchase	2.33	Ordinary	34,026
State Street Global Advisors Inc	09-Oct-2018	In specie contribution	n/a	Ordinary	10,032

State Street Global Advisors Inc	10-Oct-2018	Purchase	2.34	Ordinary	12,408
State Street Global Advisors Inc	11-Oct-2018	Purchase	2.30	Ordinary	119,277
State Street Global Advisors Inc	12-Oct-2018	Purchase	2.24	Ordinary	13,895
State Street Global Advisors Inc	12-Oct-2018	Purchase	2.27	Ordinary	449,889
State Street Global Advisors Inc	12-Oct-2018	In specie contribution	n/a	Ordinary	5,610
State Street Global Advisors Inc	16-Oct-2018	In specie contribution	n/a	Ordinary	2,244
State Street Global Advisors Inc	17-Oct-2018	Purchase	2.25	Ordinary	1,028,431
State Street Global Advisors Inc	17-Oct-2018	Purchase	2.24	Ordinary	650,544
State Street Global Advisors Inc	17-Oct-2018	Purchase	2.25	Ordinary	154,192
State Street Global Advisors Inc	23-Oct-2018	Purchase	2.28	Ordinary	223,918
State Street Global Advisors Inc	23-Oct-2018	Purchase	2.26	Ordinary	21,065
State Street Global Advisors Inc	24-Oct-2018	Purchase	2.28	Ordinary	103,394
State Street Global Advisors Inc	25-Oct-2018	Purchase	2.20	Ordinary	221,735
State Street Global Advisors Inc	29-Oct-2018	Purchase	2.20	Ordinary	27,105
State Street Global Advisors Inc	31-Oct-2018	Purchase	2.17	Ordinary	92,033
State Street Global Advisors Inc	01-Nov-2018	Purchase	2.15	Ordinary	113,469
State Street Global Advisors Inc	01-Nov-2018	Purchase	2.12	Ordinary	162,160
State Street Global Advisors Inc	02-Nov-2018	Purchase	2.12	Ordinary	19,754
State Street Global Advisors Inc	06-Nov-2018	Purchase	2.15	Ordinary	12,863
State Street Global Advisors Inc	12-Nov-2018	Purchase	2.21	Ordinary	12,242
State Street Global Advisors Inc	21-Nov-2018	Purchase	2.19	Ordinary	39,000
State Street Global Advisors Inc	30-Nov-2018	Purchase	2.19	Ordinary	20,121
State Street Global Advisors Inc	06-Dec-2018	In specie contribution	n/a	Ordinary	3,372
State Street Global Advisors Inc	12-Dec-2018	Purchase	2.32	Ordinary	110,855
State Street Global Advisors Inc	12-Dec-2018	In specie contribution	n/a	Ordinary	5,620
State Street Global Advisors Inc	13-Dec-2018	In specie contribution	n/a	Ordinary	5,620
State Street Global Advisors Inc	14-Dec-2018	Purchase	2.27	Ordinary	107,951
State Street Global Advisors Inc	17-Dec-2018	In specie contribution	n/a	Ordinary	5,058
State Street Global Advisors Inc	18-Dec-2018	In specie contribution	n/a	Ordinary	17,422
State Street Global Advisors Inc	19-Dec-2018	Purchase	2.29	Ordinary	11,904
State Street Global Advisors Inc	19-Dec-2018	Purchase	2.30	Ordinary	247,986
State Street Global Advisors Inc	20-Dec-2018	Purchase	2.31	Ordinary	28,544
State Street Global Advisors Inc	20-Dec-2018	In specie contribution	n/a	Ordinary	6,744
State Street Global Advisors Inc	21-Dec-2018	Purchase	2.29	Ordinary	37,934
State Street Global Advisors Limited	22-Aug-2018	Purchase	2.41	Ordinary	93,700
State Street Global Advisors Limited	23-Aug-2018	Purchase	2.35	Ordinary	100,044
State Street Global Advisors Limited	30-Aug-2018	Purchase	2.44	Ordinary	102,276
State Street Global Advisors Limited	31-Aug-2018	Purchase	2.43	Ordinary	52,571
State Street Global Advisors Limited	31-Aug-2018	Purchase	2.45	Ordinary	17,394
State Street Global Advisors Limited	04-Sep-2018	Purchase	2.49	Ordinary	13,241
State Street Global Advisors Limited	18-Sep-2018	Purchase	2.47	Ordinary	813,999
State Street Global Advisors Limited	18-Sep-2018	Purchase	2.49	Ordinary	53,570
State Street Global Advisors Limited	26-Sep-2018	Purchase	2.44	Ordinary	3,078
State Street Global Advisors Limited	27-Sep-2018	Purchase	2.44	Ordinary	180,933
State Street Global Advisors Limited	28-Sep-2018	Purchase	2.41	Ordinary	11,781
State Street Global Advisors Limited	03-Oct-2018	Purchase	2.33	Ordinary	21,722
State Street Global Advisors Limited	09-Oct-2018	Purchase	2.33	Ordinary	75,633

State Street Global Advisors Limited	10-Oct-2018	Purchase	2.31	Ordinary	28,828
State Street Global Advisors Limited	15-Oct-2018	Purchase	2.22	Ordinary	568,006
State Street Global Advisors Limited	18-Oct-2018	Purchase	2.24	Ordinary	10,387
State Street Global Advisors Limited	19-Oct-2018	Purchase	2.25	Ordinary	31,878
State Street Global Advisors Limited	22-Oct-2018	Purchase	2.25	Ordinary	327,524
State Street Global Advisors Limited	22-Oct-2018	Purchase	2.25	Ordinary	174,441
State Street Global Advisors Limited	23-Oct-2018	Purchase	2.28	Ordinary	86,798
State Street Global Advisors Limited	29-Oct-2018	Purchase	2.20	Ordinary	9,031
State Street Global Advisors Limited	02-Nov-2018	Purchase	2.12	Ordinary	25,955
State Street Global Advisors Limited	05-Nov-2018	Purchase	2.13	Ordinary	34,281
State Street Global Advisors Limited	05-Nov-2018	Purchase	2.10	Ordinary	10,556
State Street Global Advisors Limited	12-Nov-2018	In specie contribution	n/a	Ordinary	722,911
State Street Global Advisors Limited	13-Nov-2018	Purchase	2.23	Ordinary	6,634
State Street Global Advisors Limited	30-Nov-2018	Purchase	2.19	Ordinary	70,310
State Street Global Advisors Limited	07-Dec-2018	Purchase	2.31	Ordinary	42,326
State Street Global Advisors Limited	12-Dec-2018	Purchase	2.29	Ordinary	38,554
State Street Global Advisors Limited	13-Dec-2018	Purchase	2.28	Ordinary	59,504
State Street Global Advisors Limited	17-Dec-2018	In specie contribution	n/a	Ordinary	703,606
State Street Global Advisors Limited	18-Dec-2018	Purchase	2.29	Ordinary	32,532
State Street Global Advisors Limited	20-Dec-2018	Purchase	2.31	Ordinary	35,193
State Street Global Advisors Limited	21-Dec-2018	Purchase	2.31	Ordinary	9,102
State Street Global Advisors Asia Limited	18-Dec-2018	Purchase	2.28	Ordinary	367,562



December 2018
Frank Newman
Authorised Signatory

7. Addresses

Name	Address
State Street Global Advisors (Japan) Co., Ltd	Toranomon Hills Mori Tower, 1-23-1 Toranomon, Minato-ku, Tokyo, 105-6325 Japan
State Street Global Advisors Australia Limited	Level 17, 420 George Street Sydney, NSW 2000, Australia
State Street Global Advisors Inc	One Iron Street Boston, MA 02111, USA
State Street Global Advisors Limited	20 Churchill Place, London E14 5HJ, UK
State Street Global Advisors Asia Limited	68th Floor, Two International Finance Centre, 8 Finance Street, Central, Hong Kong, China.