

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme IMPEDIMED LIMITED

ACN/ARSN 089 705 144

1. Details of substantial holder (1)

Name Morgan Stanley and its subsidiaries listed in Annexure A

ACN/ARSN (if applicable) Not Applicable

The holder became a substantial holder on August 7, 2018

The holder became aware on August 9, 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)
Ordinary Shares	20,325,548	20,325,548	5.36%
			Based on 378,993,655 Ordinary Shares Outstanding

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
Morgan Stanley & Co. LLC	Holder of securities subject to an obligation to return under a securities lending or prime brokerage agreement through an associate. Right as lender to recall the shares under a prime brokerage arrangement.	948,580 Ordinary Shares
Morgan Stanley & Co. International plc	Holder of securities subject to an obligation to return under a securities lending or prime brokerage agreement. Right as lender to recall the shares under a securities lending or prime brokerage arrangement.	18,809,293 Ordinary Shares
Morgan Stanley & Co. International plc	Holder of securities subject to an obligation to return under a securities lending or prime brokerage agreement.	442,869 Ordinary Shares
Morgan Stanley Australia Securities Limited	Holder of securities subject to an obligation to return under a securities lending or prime brokerage agreement through an associate.	26,760 Ordinary Shares
Morgan Stanley Australia Securities Limited	Holder of securities subject to an obligation to return under a securities lending agreement.	98,046 Ordinary Shares
Each of the entities (as listed in Annexure A) in the Morgan Stanley group upstream of the above entities	Each of the above entities is a body corporate that each upstream entity controls and therefore has the relevant interests that the above entities collectively have.	20,325,548 Ordinary Shares (N.B.: Total of the above direct interest)

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
Morgan Stanley & Co. LLC	Unknown	Not Applicable	948,580 Ordinary Shares
Morgan Stanley & Co. International plc	Unknown	Not Applicable	18,809,293 Ordinary Shares
Morgan Stanley & Co. International plc	HSBC Custody Nominees (Australia) Limited	Not Applicable	442,869 Ordinary Shares
Morgan Stanley Australia Securities Limited	Morgan Stanley Australia Securities (Nominee) Pty Limited	Not Applicable	124,806 Ordinary Shares

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 interest of securities
		Cash	Non-cash	
Morgan Stanley Australia Securities Limited	04/09/2018	5,101.30	Buy	7,340 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/09/2018	7,125.04	Buy	10,478 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/09/2018	2,308.05	Buy	3,345 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/09/2018	1,877.40	Buy	2,682 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/09/2018	1,100.88	Buy	1,584 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/09/2018	710.70	Buy	1,030 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/09/2018	1,174.09	Buy	1,714 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/09/2018	471.28	Buy	688 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/10/2018	1,186.80	Buy	1,720 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/10/2018	3,006.57	Buy	4,326 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/10/2018	35.45	Buy	51 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/10/2018	2,247.70	Buy	3,211 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/10/2018	3,069.49	Buy	4,481 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/10/2018	685.00	Buy	1,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/10/2018	612.00	Buy	900 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/10/2018	340.68	Buy	501 Ordinary Shares
Morgan Stanley & Co. International plc	04/10/2018	N/A	Collateral Received	31,005 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/11/2018	2,530.50	Buy	3,641 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/11/2018	701.26	Buy	1,009 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/11/2018	323.40	Buy	467 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/11/2018	1,900.95	Buy	2,755 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/11/2018	96.60	Buy	140 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/11/2018	1,533.70	Buy	2,191 Ordinary Shares

Morgan Stanley Australia Securities Limited	04/11/2018	154.13	Buy	225 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	990.38	Buy	1,425 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	556.00	Buy	800 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	5,471.74	Buy	7,873 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	617.19	Buy	901 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	265.49	Buy	382 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	7,551.36	Buy	10,944 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	2,374.21	Buy	3,466 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	2,847.60	Buy	4,068 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	1,723.80	Buy	2,535 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	238.70	Buy	341 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	978.56	Buy	1,408 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	5,843.61	Buy	8,469 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/12/2018	75.90	Buy	110 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	164.40	Buy	240 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	2,898.84	Buy	4,263 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	326.40	Buy	480 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	2.07	Buy	3 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	1,088.10	Buy	1,612 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	631.81	Buy	943 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	3,767.40	Buy	5,460 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	5,032.17	Buy	7,293 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	2,927.01	Buy	4,273 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	24,742.54	Buy	36,400 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/13/2018	7,884.94	Buy	11,600 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/16/2018	2,754.00	Buy	4,050 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/16/2018	713.55	Buy	1,065 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/16/2018	5,535.00	Buy	8,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/16/2018	12,375.21	Buy	18,500 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/16/2018	3,478.46	Buy	5,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/17/2018	1,365.89	Buy	1,994 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/17/2018	211.14	Buy	306 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/17/2018	2,520.00	Buy	3,600 Ordinary Shares
Morgan Stanley & Co. International plc	04/17/2018	N/A	Collateral Received	794,969 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/18/2018	42.09	Buy	61 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/18/2018	2,078.97	Buy	3,013 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/18/2018	129.03	Buy	187 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/18/2018	130.43	Buy	185 Ordinary Shares
Morgan Stanley & Co. International plc	04/18/2018	N/A	Collateral Received	10,345,262 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/19/2018	2,043.09	Buy	2,898 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/19/2018	5,113.42	Buy	7,202 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/19/2018	1,729.85	Buy	2,386 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/19/2018	2,154.70	Buy	2,972 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/19/2018	2,368.00	Buy	3,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/19/2018	1,532.16	Buy	2,128 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/19/2018	2,590.00	Buy	3,700 Ordinary Shares
Morgan Stanley & Co. International plc	04/19/2018	N/A	Collateral Received	46,104 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/20/2018	1,690.41	Buy	2,523 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/20/2018	563.04	Buy	782 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/20/2018	1,410.00	Buy	2,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/20/2018	2,227.50	Buy	3,300 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/20/2018	1,742.35	Buy	2,600 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/20/2018	3,489.37	Buy	5,207 Ordinary Shares
Morgan Stanley & Co. International plc	04/20/2018	N/A	Collateral Received	38,542 Ordinary Shares

Morgan Stanley Australia Securities Limited	04/23/2018	1,935.70	Buy	2,978 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	902.40	Buy	1,410 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	1,612.50	Buy	2,500 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	2,333.49	Buy	3,509 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	3,374.64	Buy	5,232 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	269.33	Buy	399 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	568.83	Buy	849 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	412.08	Buy	606 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	46.15	Buy	71 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	1,687.94	Buy	2,577 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	1,038.18	Buy	1,573 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	18,919.89	Buy	29,300 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/23/2018	4,584.68	Buy	7,100 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/24/2018	512.20	Buy	788 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/24/2018	0.65	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/24/2018	19,848.82	Buy	31,900 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/24/2018	7,342.26	Buy	11,800 Ordinary Shares
Morgan Stanley & Co. International plc	04/24/2018	N/A	Collateral Received	234,008 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/26/2018	4,980.00	Buy	8,300 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/26/2018	228.28	Buy	397 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/26/2018	2,313.96	Buy	3,889 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/26/2018	22.94	Buy	37 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/26/2018	2,427.06	Buy	4,258 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/26/2018	4,667.33	Buy	8,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/26/2018	15,052.24	Buy	25,800 Ordinary Shares
Morgan Stanley & Co. International plc	04/26/2018	N/A	Collateral Received	686,460 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/27/2018	1,310.63	Buy	2,250 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/27/2018	2,005.97	Buy	3,429 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/27/2018	1,593.00	Buy	2,700 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/27/2018	2,204.00	Buy	3,800 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/27/2018	2,916.00	Buy	5,400 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/27/2018	3,205.27	Buy	5,387 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/27/2018	1,525.20	Buy	2,600 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/27/2018	2,933.09	Buy	5,000 Ordinary Shares
Morgan Stanley & Co. International Plc	04/30/2018	527.08	Buy	951 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	2,483.04	Buy	4,434 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	527.08	Buy	951 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	4,432.79	Buy	7,987 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	2,451.96	Buy	4,499 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	2,305.05	Buy	4,191 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	61.60	Buy	112 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	49.82	Buy	94 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	2,695.00	Buy	4,900 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	3,428.79	Buy	6,178 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	170.13	Buy	318 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	338.04	Buy	626 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	95.46	Buy	172 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	2,356.04	Buy	4,323 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	10,943.21	Buy	19,900 Ordinary Shares
Morgan Stanley Australia Securities Limited	04/30/2018	3,409.44	Buy	6,200 Ordinary Shares
Morgan Stanley & Co. International plc	04/30/2018	N/A	Collateral Received	10,576,408 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/01/2018	2,639.52	Buy	4,888 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/01/2018	1,560.06	Buy	2,916 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/01/2018	1,418.05	Buy	2,663 Ordinary Shares

Morgan Stanley Australia Securities Limited	05/01/2018	215.07	Buy	402 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/01/2018	3.92	Buy	7 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/01/2018	329.18	Buy	627 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/01/2018	131.44	Buy	248 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/01/2018	5,904.70	Buy	11,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/01/2018	16,659.68	Buy	31,600 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/02/2018	343.44	Buy	636 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/02/2018	2,569.65	Buy	4,630 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/02/2018	398.04	Buy	744 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/02/2018	202.22	Buy	366 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/02/2018	252.81	Buy	477 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/02/2018	2.64	Buy	5 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/02/2018	2,712.01	Buy	5,117 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/02/2018	1,329.35	Buy	2,417 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/02/2018	122.65	Buy	223 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/02/2018	165.39	Buy	298 Ordinary Shares
Morgan Stanley & Co. International plc	05/03/2018	N/A	Collateral Received	82,282 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/04/2018	6,371.20	Buy	11,584 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/04/2018	1,278.03	Buy	2,345 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/04/2018	1,134.74	Buy	2,121 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/04/2018	1,651.68	Buy	2,976 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/04/2018	13.69	Buy	25 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/04/2018	1,971.00	Buy	3,650 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/04/2018	390.60	Buy	744 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/04/2018	6.60	Buy	12 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/04/2018	111.44	Buy	199 Ordinary Shares
Morgan Stanley & Co. International plc	05/04/2018	N/A	Borrow	173,133 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/07/2018	20.35	Buy	37 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/09/2018	240.35	Buy	437 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/10/2018	35.84	Buy	64 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/10/2018	84.36	Buy	148 Ordinary Shares
Morgan Stanley & Co. International plc	05/11/2018	N/A	Borrow	10,158 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/14/2018	84.36	Buy	152 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/14/2018	141.90	Buy	258 Ordinary Shares
Morgan Stanley & Co. International plc	05/14/2018	N/A	Borrow	7,707 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/15/2018	96.32	Buy	172 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/15/2018	95.46	Buy	172 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/15/2018	97.18	Buy	172 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/15/2018	210.10	Buy	382 Ordinary Shares
Morgan Stanley & Co. LLC	05/15/2018	N/A	Borrow	125,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/16/2018	816.46	Buy	1,500 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/16/2018	N/A	Borrow	240,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/17/2018	48.40	Buy	88 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/17/2018	226.72	Buy	416 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/17/2018	791.43	Buy	1,426 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/17/2018	75.48	Buy	136 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/17/2018	878.35	Buy	1,597 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/17/2018	677.98	Buy	1,244 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/17/2018	219.52	Buy	392 Ordinary Shares
Morgan Stanley & Co. International plc	05/17/2018	N/A	Collateral Received	12,707,785 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/18/2018	218.55	Buy	401 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/18/2018	65.88	Buy	122 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/18/2018	476.30	Buy	866 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/18/2018	108.80	Buy	200 Ordinary Shares

Morgan Stanley Australia Securities Limited	05/18/2018	217.60	Buy	400 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/21/2018	1,755.00	Buy	3,250 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/21/2018	2,485.08	Buy	4,602 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/21/2018	14.85	Buy	27 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/21/2018	2,270.55	Buy	4,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/21/2018	6,865.72	Buy	12,700 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/22/2018	191.00	Buy	357 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/22/2018	81.90	Buy	156 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/22/2018	2.73	Buy	5 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/22/2018	19,095.27	Buy	36,042 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/22/2018	6,410.65	Buy	12,100 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/23/2018	221.39	Buy	445 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/23/2018	7.80	Buy	15 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/23/2018	1.04	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/23/2018	268.80	Buy	560 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/23/2018	225.87	Buy	454 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/23/2018	298.50	Buy	597 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/23/2018	54,619.00	Buy	113,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/23/2018	164,351.08	Buy	340,624 Ordinary Shares
Morgan Stanley & Co. International Plc	05/23/2018	221.39	Buy	445 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/24/2018	82.81	Buy	169 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/24/2018	1,622.61	Buy	3,278 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/24/2018	2,247.50	Buy	4,495 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/24/2018	0.49	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/24/2018	6.50	Buy	13 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/24/2018	0.50	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/24/2018	0.50	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/24/2018	1,314.01	Buy	2,602 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/24/2018	3.03	Buy	6 Ordinary Shares
Morgan Stanley & Co. International Plc	05/24/2018	0.50	Buy	1 Ordinary Shares
Morgan Stanley & Co. International plc	05/24/2018	N/A	Borrow	49,112 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/25/2018	2,706.30	Buy	5,359 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/25/2018	2,630.62	Buy	5,108 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/25/2018	493.39	Buy	977 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/28/2018	217.07	Buy	443 Ordinary Shares
Morgan Stanley & Co. International plc	05/28/2018	N/A	Borrow	63,560 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/29/2018	27.30	Buy	53 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/29/2018	1,711.32	Buy	3,291 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/29/2018	488.13	Buy	921 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/29/2018	62.92	Buy	121 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/29/2018	1,004.25	Buy	1,922 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/29/2018	54.08	Buy	103 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/29/2018	1,373.43	Buy	2,693 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/29/2018	1,349.82	Buy	2,621 Ordinary Shares
Morgan Stanley & Co. International plc	05/29/2018	N/A	Borrow	7,947 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/30/2018	276.13	Buy	521 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/30/2018	269.85	Buy	514 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/30/2018	249.10	Buy	470 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/30/2018	262.69	Buy	491 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/30/2018	273.52	Buy	526 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/30/2018	884.76	Buy	1,752 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/30/2018	108.67	Buy	206 Ordinary Shares
Morgan Stanley & Co. International plc	05/30/2018	N/A	Borrow	17,356 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/31/2018	1,106.64	Buy	2,088 Ordinary Shares

Morgan Stanley Australia Securities Limited	05/31/2018	833.70	Buy	1,588 Ordinary Shares
Morgan Stanley Australia Securities Limited	05/31/2018	314.60	Buy	605 Ordinary Shares
Morgan Stanley & Co. International plc	05/31/2018	N/A	Borrow	2,263 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/01/2018	1.53	Buy	3 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/01/2018	45.00	Buy	90 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/01/2018	517.65	Buy	1,015 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/01/2018	1,307.45	Buy	2,589 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/01/2018	322.00	Buy	644 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/01/2018	3.54	Buy	7 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/04/2018	118.58	Buy	242 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/04/2018	1.47	Buy	3 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/04/2018	110.16	Buy	216 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/04/2018	717.85	Buy	1,465 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/04/2018	74.75	Buy	151 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/04/2018	0.98	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/04/2018	1,275.12	Buy	2,576 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/04/2018	2.50	Buy	5 Ordinary Shares
Morgan Stanley & Co. International plc	06/04/2018	N/A	Borrow	1,540 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	2.34	Buy	5 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	0.48	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	0.93	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	23.50	Buy	50 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	236.16	Buy	492 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	255.21	Buy	543 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	543.40	Buy	1,144 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	0.48	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	1.44	Buy	3 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	562.05	Buy	1,249 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	0.97	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	377.74	Buy	808 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/05/2018	0.46	Buy	1 Ordinary Shares
Morgan Stanley & Co. International plc	06/05/2018	N/A	Borrow	149,993 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/06/2018	2,332.69	Buy	5,242 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/06/2018	850.85	Buy	1,870 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/06/2018	688.95	Buy	1,531 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/06/2018	1,307.22	Buy	2,873 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/06/2018	1,781.58	Buy	3,873 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/06/2018	683.10	Buy	1,485 Ordinary Shares
Morgan Stanley & Co. International plc	06/06/2018	N/A	Borrow	8,451 Ordinary Shares
Morgan Stanley & Co. International plc	06/06/2018	N/A	Collateral Received	12,179,619 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/07/2018	380.70	Buy	846 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/07/2018	1,549.05	Buy	3,481 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/07/2018	267.00	Buy	600 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/07/2018	1,636.64	Buy	3,597 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/07/2018	988.79	Buy	2,222 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/07/2018	95.48	Buy	217 Ordinary Shares
Morgan Stanley & Co. International plc	06/07/2018	N/A	Borrow	5,400 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/08/2018	4,148.70	Buy	9,937 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/08/2018	180.18	Buy	429 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/08/2018	907.61	Buy	2,187 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/08/2018	467.71	Buy	1,127 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/08/2018	1,120.14	Buy	2,667 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/08/2018	475.59	Buy	1,146 Ordinary Shares
Morgan Stanley & Co. International Plc	06/12/2018	1,800.33	Buy	4,646 Ordinary Shares

Morgan Stanley & Co. International Plc	06/12/2018	1,460.55	Buy	3,784 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/13/2018	2,598.71	Buy	6,579 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/14/2018	1,398.93	Buy	3,587 Ordinary Shares
Morgan Stanley & Co. International plc	06/14/2018	N/A	Borrow	10,527 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/15/2018	2,141.68	Buy	5,636 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/15/2018	5,074.68	Buy	13,012 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/15/2018	6,109.64	Buy	16,078 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/15/2018	745.50	Buy	1,988 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/15/2018	15,187.08	Buy	39,966 Ordinary Shares
Morgan Stanley & Co. International plc	06/15/2018	N/A	Borrow	10,951 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/18/2018	1,967.28	Buy	4,684 Ordinary Shares
Morgan Stanley & Co. International plc	06/18/2018	N/A	Borrow	16,836 Ordinary Shares
Morgan Stanley & Co. International plc	06/18/2018	N/A	Collateral Received	11,711,671 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/20/2018	1,718.60	Buy	3,305 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/20/2018	584.46	Buy	1,146 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/20/2018	358.80	Buy	690 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/20/2018	464.02	Buy	901 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/20/2018	150.49	Buy	298 Ordinary Shares
Morgan Stanley & Co. International Plc	06/20/2018	358.80	Buy	690 Ordinary Shares
Morgan Stanley & Co. International plc	06/20/2018	N/A	Borrow	14,638 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/21/2018	204.82	Buy	418 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/21/2018	258.57	Buy	507 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/21/2018	769.23	Buy	1,554 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/21/2018	588.49	Buy	1,201 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/21/2018	1,312.50	Buy	2,625 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/21/2018	393.40	Buy	779 Ordinary Shares
Morgan Stanley & Co. International plc	06/21/2018	N/A	Borrow	124,745 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/22/2018	1,784.80	Buy	3,680 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/22/2018	155.00	Buy	310 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/22/2018	633.57	Buy	1,293 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/22/2018	529.98	Buy	1,100 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/22/2018	1,782.65	Buy	3,700 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/22/2018	511.20	Buy	1,065 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/22/2018	342.00	Buy	720 Ordinary Shares
Morgan Stanley & Co. International plc	06/22/2018	N/A	Borrow	671,077 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	498.95	Buy	1,073 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	384.61	Buy	793 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	130.28	Buy	270 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	379.28	Buy	862 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	237.51	Buy	546 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	484.03	Buy	1,019 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	386.06	Buy	796 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	229.36	Buy	488 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	824.56	Buy	1,800 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	480.74	Buy	1,118 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	2,239.15	Buy	4,888 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	317.76	Buy	662 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/25/2018	509.60	Buy	1,120 Ordinary Shares
Morgan Stanley & Co. International plc	06/25/2018	N/A	Borrow	17,827 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	491.78	Buy	1,185 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	1,343.00	Buy	3,160 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	1,326.76	Buy	3,197 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	516.60	Buy	1,230 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	78.85	Buy	190 Ordinary Shares

Morgan Stanley Australia Securities Limited	06/26/2018	951.61	Buy	2,321 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	1,830.60	Buy	4,520 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	2,175.27	Buy	5,507 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	1,631.75	Buy	4,029 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	714.22	Buy	1,742 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	1,335.45	Buy	3,070 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	243.20	Buy	608 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/26/2018	240.17	Buy	593 Ordinary Shares
Morgan Stanley & Co. International plc	06/26/2018	N/A	Borrow	37,551 Ordinary Shares
Morgan Stanley & Co. International plc	06/26/2018	N/A	Collateral Received	10,942,030 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/27/2018	1,157.28	Buy	2,723 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/27/2018	42,215.00	Buy	100,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/27/2018	652.80	Buy	1,536 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/27/2018	1,338.79	Buy	3,226 Ordinary Shares
Morgan Stanley & Co. International plc	06/27/2018	N/A	Borrow	3,044 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/29/2018	3,856.05	Buy	9,405 Ordinary Shares
Morgan Stanley Australia Securities Limited	06/29/2018	2,282.06	Buy	5,566 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	1,115.40	Buy	2,535 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	4,722.90	Buy	11,245 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	267.26	Buy	644 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	453.27	Buy	1,042 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	2,476.90	Buy	5,828 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	517.72	Buy	1,204 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	1,021.73	Buy	2,462 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	504.30	Buy	1,230 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	1,352.16	Buy	3,173 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	506.41	Buy	1,138 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	1,194.54	Buy	2,778 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	2,667.30	Buy	6,276 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	4,227.22	Buy	10,300 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/02/2018	12,864.71	Buy	31,346 Ordinary Shares
Morgan Stanley & Co. International Plc	07/02/2018	1,352.16	Buy	3,173 Ordinary Shares
Morgan Stanley & Co. International plc	07/02/2018	N/A	Borrow	69,338 Ordinary Shares
Morgan Stanley & Co. International Plc	07/03/2018	252.67	Buy	571 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/03/2018	546.02	Buy	1,227 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/03/2018	69.52	Buy	158 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/03/2018	252.67	Buy	571 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/03/2018	895.05	Buy	1,989 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/03/2018	512.87	Buy	1,179 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/03/2018	934.39	Buy	2,173 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/03/2018	263.45	Buy	579 Ordinary Shares
Morgan Stanley & Co. International plc	07/03/2018	N/A	Borrow	14,380 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	1,872.45	Buy	4,161 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	355.56	Buy	799 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	1,052.48	Buy	2,392 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	1,134.00	Buy	2,520 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	1,713.08	Buy	3,765 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	1,178.45	Buy	2,590 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	995.02	Buy	2,236 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	822.48	Buy	1,788 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	551.92	Buy	1,213 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	296.55	Buy	659 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	259.65	Buy	577 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/04/2018	557.98	Buy	1,213 Ordinary Shares

Morgan Stanley Australia Securities Limited	07/04/2018	753.02	Buy	1,637 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/05/2018	3,625.20	Buy	8,056 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/05/2018	678.18	Buy	1,524 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/05/2018	482.38	Buy	1,084 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/05/2018	1,131.75	Buy	2,515 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/05/2018	446.78	Buy	1,004 Ordinary Shares
Morgan Stanley & Co. International plc	07/05/2018	N/A	Borrow	48,910 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	383.24	Buy	881 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	239.86	Buy	539 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	332.10	Buy	738 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	250.15	Buy	559 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	269.10	Buy	598 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	682.88	Buy	1,552 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	672.30	Buy	1,494 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	106.64	Buy	248 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	985.50	Buy	2,190 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	958.09	Buy	2,153 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	27.95	Buy	65 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	318.42	Buy	732 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	414.12	Buy	952 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	550.87	Buy	1,231 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	821.28	Buy	1,856 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/06/2018	263.89	Buy	593 Ordinary Shares
Morgan Stanley & Co. International plc	07/06/2018	N/A	Borrow	24,308 Ordinary Shares
Morgan Stanley & Co. International Plc	07/09/2018	793.62	Buy	1,849 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/09/2018	264.44	Buy	601 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/09/2018	988.76	Buy	2,273 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/09/2018	1,266.35	Buy	2,945 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/09/2018	310.59	Buy	714 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/09/2018	268.34	Buy	603 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/09/2018	85.85	Buy	202 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/09/2018	258.43	Buy	601 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/09/2018	793.62	Buy	1,849 Ordinary Shares
Morgan Stanley & Co. International plc	07/09/2018	N/A	Borrow	29,448 Ordinary Shares
Morgan Stanley & Co. International plc	07/10/2018	N/A	Borrow	40,928 Ordinary Shares
Morgan Stanley & Co. International plc	07/10/2018	N/A	Collateral Received	10,868,489 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/11/2018	245.68	Buy	592 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/11/2018	418.82	Buy	974 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/11/2018	846.72	Buy	2,016 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/11/2018	397.99	Buy	959 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/11/2018	173.14	Buy	405 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/11/2018	357.72	Buy	813 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/11/2018	376.28	Buy	865 Ordinary Shares
Morgan Stanley & Co. International plc	07/11/2018	N/A	Borrow	31,151 Ordinary Shares
Morgan Stanley & Co. International plc	07/12/2018	N/A	Borrow	36,183 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/13/2018	7,786.50	Buy	17,400 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/13/2018	23,314.75	Buy	52,100 Ordinary Shares
Morgan Stanley & Co. International plc	07/13/2018	N/A	Borrow	17,170 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/16/2018	698.85	Buy	1,553 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/16/2018	1,381.16	Buy	3,139 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/16/2018	52.96	Buy	119 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/16/2018	242.95	Buy	565 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/16/2018	1,671.67	Buy	3,674 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/16/2018	92.37	Buy	203 Ordinary Shares

Morgan Stanley Australia Securities Limited	07/16/2018	786.76	Buy	1,768 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/16/2018	48.16	Buy	112 Ordinary Shares
Morgan Stanley & Co. International plc	07/16/2018	N/A	Borrow	24,840 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	250.65	Buy	557 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	829.80	Buy	1,844 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	67.64	Buy	152 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	146.41	Buy	329 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	161.10	Buy	358 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	315.27	Buy	678 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	450.48	Buy	974 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	828.00	Buy	1,840 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	42.28	Buy	95 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	1,063.06	Buy	2,311 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	1,203.02	Buy	2,644 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	637.10	Buy	1,385 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	2,235.42	Buy	4,913 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/17/2018	58.42	Buy	127 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2018	41.71	Buy	97 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2018	339.30	Buy	780 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2018	56.52	Buy	127 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2018	0.45	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2018	68.20	Buy	155 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2018	1,236.40	Buy	2,810 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2018	1,464.50	Buy	3,291 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2018	211.82	Buy	476 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2018	143.12	Buy	329 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/18/2018	3.48	Buy	8 Ordinary Shares
Morgan Stanley & Co. International plc	07/18/2018	N/A	Borrow	37,477 Ordinary Shares
Morgan Stanley & Co. International plc	07/18/2018	N/A	Collateral Received	14,212,262 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/19/2018	622.21	Buy	1,447 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/19/2018	620.31	Buy	1,426 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/19/2018	0.44	Buy	1 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/19/2018	315.92	Buy	718 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/19/2018	311.10	Buy	732 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/19/2018	201.52	Buy	458 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/19/2018	249.83	Buy	581 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/19/2018	436.90	Buy	1,018 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/19/2018	800.84	Buy	1,841 Ordinary Shares
Morgan Stanley & Co. International Plc	07/19/2018	436.90	Buy	1,018 Ordinary Shares
Morgan Stanley & Co. International plc	07/19/2018	N/A	Borrow	31,422 Ordinary Shares
Morgan Stanley & Co. International plc	07/19/2018	N/A	Collateral Received	1,699,274 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/20/2018	260.13	Buy	598 Ordinary Shares
Morgan Stanley & Co. International plc	07/20/2018	N/A	Borrow	19,565 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/23/2018	588.28	Buy	1,337 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/23/2018	57.62	Buy	134 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/23/2018	1,644.32	Buy	3,824 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/23/2018	872.18	Buy	2,005 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/23/2018	311.52	Buy	708 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/23/2018	875.48	Buy	2,036 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/23/2018	235.45	Buy	554 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/23/2018	307.98	Buy	708 Ordinary Shares
Morgan Stanley & Co. International plc	07/23/2018	N/A	Borrow	76,656 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	822.36	Buy	1,869 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	17.63	Buy	41 Ordinary Shares

Morgan Stanley Australia Securities Limited	07/24/2018	462.44	Buy	1,051 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	1,519.56	Buy	3,618 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	151.79	Buy	353 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	1,201.85	Buy	2,795 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	233.42	Buy	546 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	2,814.89	Buy	6,471 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	93.28	Buy	212 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	198.36	Buy	456 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	276.50	Buy	632 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	960.17	Buy	2,246 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	234.47	Buy	539 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	1,346.33	Buy	3,131 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	1,645.60	Buy	3,740 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	366.24	Buy	823 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	112.56	Buy	268 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	811.71	Buy	1,866 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/24/2018	254.91	Buy	586 Ordinary Shares
Morgan Stanley & Co. International plc	07/24/2018	N/A	Borrow	67,457 Ordinary Shares
Morgan Stanley & Co. International plc	07/24/2018	N/A	Collateral Received	601,043 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	513.86	Buy	1,202 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	195.75	Buy	450 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	520.73	Buy	1,204 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	219.30	Buy	516 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	82.65	Buy	190 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	4,812.56	Buy	11,192 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	35.70	Buy	84 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	1,786.70	Buy	4,204 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	87.36	Buy	208 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	708.90	Buy	1,668 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	66.56	Buy	153 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	1,062.53	Buy	2,471 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	128.14	Buy	298 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	457.95	Buy	1,065 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/25/2018	N/A	Borrow	1,700,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/26/2018	363.00	Buy	825 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/26/2018	1,810.73	Buy	4,211 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/26/2018	9.24	Buy	22 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/26/2018	568.23	Buy	1,337 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/26/2018	108.80	Buy	256 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/27/2018	76.13	Buy	175 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/27/2018	933.63	Buy	2,134 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/27/2018	365.07	Buy	849 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/27/2018	1,526.80	Buy	3,470 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/30/2018	715.60	Buy	1,714 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/30/2018	313.74	Buy	747 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/30/2018	644.30	Buy	1,516 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/30/2018	87.45	Buy	212 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/30/2018	258.99	Buy	613 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/30/2018	654.87	Buy	1,578 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/30/2018	419.18	Buy	1,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/30/2018	1,341.39	Buy	3,200 Ordinary Shares
Morgan Stanley & Co. International Plc	07/30/2018	2,985.43	Buy	7,089 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/31/2018	209.96	Buy	509 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/31/2018	434.51	Buy	1,047 Ordinary Shares

Morgan Stanley Australia Securities Limited	07/31/2018	74.98	Buy	184 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/31/2018	0.83	Buy	2 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/31/2018	175.56	Buy	418 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/31/2018	275.55	Buy	660 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/31/2018	1,472.33	Buy	3,600 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/31/2018	4,171.61	Buy	10,200 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/31/2018	255.43	Buy	623 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/31/2018	305.04	Buy	744 Ordinary Shares
Morgan Stanley Australia Securities Limited	07/31/2018	1,598.54	Buy	3,947 Ordinary Shares
Morgan Stanley & Co. International Plc	07/31/2018	2,896.63	Buy	7,089 Ordinary Shares
Morgan Stanley & Co. International plc	07/31/2018	N/A	Borrow	350,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	267.75	Buy	700 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	866.36	Buy	2,265 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	464.52	Buy	1,176 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	908.99	Buy	2,361 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	181.13	Buy	483 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	536.22	Buy	1,324 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	57.75	Buy	154 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	226.00	Buy	587 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	708.70	Buy	1,865 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	1,408.13	Buy	3,755 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	460.80	Buy	1,152 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	582.66	Buy	1,494 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	572.52	Buy	1,468 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/01/2018	674.12	Buy	1,774 Ordinary Shares
Morgan Stanley & Co. International plc	08/01/2018	N/A	Borrow	200,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	421.39	Buy	1,187 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	280.12	Buy	752 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	195.75	Buy	540 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	1,945.46	Buy	5,258 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	231.53	Buy	630 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	618.75	Buy	1,650 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	1,342.36	Buy	3,628 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	54.06	Buy	159 Ordinary Shares
Morgan Stanley & Co. International Plc	08/02/2018	231.53	Buy	630 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	855.07	Buy	2,311 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	1,342.54	Buy	3,533 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	170.68	Buy	502 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	1,342.47	Buy	3,678 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	119.32	Buy	314 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	218.52	Buy	607 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	309.89	Buy	849 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	1,866.61	Buy	5,114 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/02/2018	N/A	Borrow	250,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	259.15	Buy	710 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	1,924.62	Buy	4,999 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	5,692.82	Buy	15,386 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	1,550.40	Buy	4,080 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	2,692.68	Buy	7,086 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	1,264.26	Buy	3,327 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	878.38	Buy	2,374 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	332.96	Buy	906 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	271.43	Buy	705 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	707.81	Buy	1,926 Ordinary Shares

Morgan Stanley Australia Securities Limited	08/03/2018	268.28	Buy	735 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	367.04	Buy	992 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	270.75	Buy	722 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	122.15	Buy	349 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/03/2018	285.18	Buy	776 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/06/2018	1,782.20	Buy	5,092 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/06/2018	1,812.50	Buy	5,000 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/06/2018	5,618.75	Buy	15,500 Ordinary Shares
Morgan Stanley & Co. International plc	08/06/2018	N/A	Collateral Received	14,212,262 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	2,489.29	Buy	6,867 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	1,047.20	Buy	2,992 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	156.91	Buy	442 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	748.80	Buy	2,080 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	9,527.96	Buy	26,104 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	847.99	Buy	2,372 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	4,662.36	Buy	12,951 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	467.09	Buy	1,271 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	491.66	Buy	1,347 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	178.57	Buy	503 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	57.64	Buy	159 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	718.91	Buy	1,943 Ordinary Shares
Morgan Stanley Australia Securities Limited	08/07/2018	1,842.60	Buy	4,980 Ordinary Shares
Morgan Stanley & Co. International plc	08/07/2018	N/A	Collateral Received	4,919,883 Ordinary Shares

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
Morgan Stanley & Co. LLC	Is a body corporate controlled by each upstream entity as listed in Annexure A
Morgan Stanley & Co. International plc	Is a body corporate controlled by each upstream entity as listed in Annexure A
Morgan Stanley Australia Securities Limited	Is a body corporate controlled by each upstream entity as listed in Annexure A

7. Addresses

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

Name	Address
Morgan Stanley	1585 Broadway, New York 10036, USA
Morgan Stanley & Co. LLC	1585 Broadway, New York 10036, USA
Morgan Stanley Australia Securities Limited	Level 39 Chifley Tower, 2 Chifley Square, Sydney NSW 2000, Australia
Morgan Stanley & Co. International plc	25 Cabot Square Canary Wharf, London, E14 4QA, United Kingdom

Signature

print name Wilson Li

capacity Vice President

sign here

date August 9, 2018

Annexure A

List of Morgan Stanley and its subsidiaries that have a relevant interest or deemed to have a relevant interest in the shares or units stated in Section 3.

Name
└─ Morgan Stanley
└─ Morgan Stanley Capital Management, LLC
└─ Morgan Stanley Domestic Holdings, Inc.
└─ Morgan Stanley & Co. LLC
└─ Morgan Stanley International Holdings Inc.
└─ Morgan Stanley International Limited
└─ Morgan Stanley Investments (UK)
└─ Morgan Stanley & Co. International plc
└─ Morgan Stanley International Incorporated
└─ Morgan Stanley (Australia) Securities Holdings Pty Limited
└─ Morgan Stanley Australia Securities Limited

Signature

print name Wilson Li

capacity Vice President

sign here

date August 9, 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, moneys 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.

GUIDE

This guide does not form part of the prescribed form and is included by ASIC to assist you in completing and lodging form 603.

Signature

This form must be signed by either a director or a secretary of the substantial holder.

Lodging period

Nil

Lodging Fee

Nil

Other forms to be completed

Nil

Additional information

- (a) If additional space is required to complete a question, the information may be included on a separate piece of paper annexed to the form.
- (b) This notice must be given to a listed company, or the responsible entity for a listed managed investment scheme. A copy of this notice must also be given to each relevant securities exchange.
- (c) The person must give a copy of this notice:
 - (i) within 2 business days after they become aware of the information; or
 - (ii) by 9.30 am on the next trading day of the relevant securities exchange after they become aware of the information if:
 - (A) a takeover bid is made for voting shares in the company or voting interests in the scheme; and
 - (B) the person becomes aware of the information during the bid period.

Annexures

To make any annexure conform to the regulations, you must

- 1 use A4 size paper of white or light pastel colour with a margin of at least 10mm on all sides
- 2 show the corporation name and ACN or ARBN
- 3 number the pages consecutively
- 4 print or type in BLOCK letters in dark blue or black ink so that the document is clearly legible when photocopied
- 5 identify the annexure with a mark such as A, B, C, etc
- 6 endorse the annexure with the words:
This is annexure (mark) of (number) pages referred to in form (form number and title)
- 7 sign and date the annexure.

The annexure must be signed by the same person(s) who signed the form.

Information in this guide is intended as a guide only. Please consult your accountant or solicitor for further advice.

Annexure B

This is Annexure B referred to in the Form 603: Notice of becoming a substantial holder issued by Morgan Stanley and its subsidiaries. The following is description of the securities lending agreements referenced in the accompanying Form 603.

Schedule	
Type of Agreement	Global Master Securities Lending Agreement
Parties to agreement	Morgan Stanley & Co. International plc and CACEIS BANK
Transfer Date	20180504;
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights?	Yes/No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail	The Borrower is entitled at any time to terminate a Loan and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.
Does the lender have the right to recall early?	Yes/No
If yes, detail	The Lender is entitled to terminate a Loan and to call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the standard settlement time for such Equivalent Securities on the exchange or in the clearing organisation through which the Loaned Securities were originally delivered.
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions	If the Borrower does not redeliver Equivalent Securities in accordance with the Agreement, the Lender may by written notice to Borrower terminate the Loan forthwith and the Parties' delivery and payment obligations in respect thereof.

Schedule	
Type of Agreement	Overseas Securities Lender's Agreement
Parties to agreement	Morgan Stanley & Co. International plc and JPMORGAN CHASE BANK, N.A.
Transfer Date	20180504; 20180508; 20180511; 20180514; 20180515; 20180525; 20180604; 20180619; 20180731; 20180801; 20180802; 20180803;
Holder of Voting Rights	Each Party undertakes that where it holds securities of the same description as any securities borrowed by it or transferred to it by way of collateral at a time when a right to vote arises in respect of such securities, it will use its best endeavours to arrange for the voting rights attached to such securities to be exercised in accordance with the instructions of the Lender or Borrower (as the case may be).
Are there any restrictions on voting rights?	Yes/No
If yes, detail	As stated above.
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail	The Borrower is entitled at any time to terminate a particular loan of Securities and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.
Does the lender have the right to recall early?	Yes/No
If yes, detail	The Lender may call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the standard settlement time for such Equivalent Securities on the exchange or in the clearing organisation through which the relevant borrowed Securities were originally delivered. The Borrower shall redeliver such Equivalent Securities not later than the expiry of such notice in accordance with the Lender's instructions.
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions	If an Event of Default occurs in relation to either Party, the Parties' delivery and payment obligations shall be accelerated so as to require performance thereof at the time such Event of Default occurs. In such event the Relevant Value of the Securities to be delivered by each Party shall be established in accordance with the Agreement and on the basis of the Relevant Values so established, the sums due from one Party shall be set-off against the sums due from the other and only the balance of the account shall be payable.

Schedule	
Type of Agreement	Global Master Repurchase Agreement
Parties to agreement	Morgan Stanley & Co. International plc and RBC EUROPE LIMITED
Transfer Date	20180806; 20180807;
Holder of Voting Rights	Buyer in relation to Purchased Securities and the transferee in the case of Margin Securities.
Are there any restrictions on voting rights?	Yes/No

If yes, detail Buyer, in the case of Purchased Securities, and transferee, in the case of Margin Securities, shall use its best endeavours to arrange for voting rights of that kind to be exercised in relation to the relevant number of securities of that kind in accordance with the instructions of the other party provided that it holds such Securities and the other party shall have notified Buyer or transferee, as the case may be, of its instructions no later than seven Business Days prior to the date the votes are exercisable.	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail Either party may terminate on demand Transactions on notice of not less than the minimum period as is customarily required for the settlement or delivery of the Equivalent Securities. If Seller requests and Buyer agrees, Transaction may be varied such that Buyer transfers Securities equivalent to the Purchased Securities to the Seller in exchange for the transfer of other securities as agreed.	
Does the lender have the right to recall early?	Yes/No
If yes, detail Either party may terminate on demand Transactions on notice of not less than the minimum period as is customarily required for the settlement or delivery of the Equivalent Securities.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions If an Event of Default occurs with respect to either party, the Parties' obligation to deliver Equivalent Securities and Equivalent Margin Securities will cease. The Non-defaulting party will calculate the Default Market Value of Equivalent Securities and Equivalent Margin Securities, set off the sums due from one party to another, and only the balance of the account shall be payable.	

Schedule	
Type of Agreement	Global Master Securities Lending Agreement
Parties to agreement	Morgan Stanley & Co. International plc and JPMORGAN CHASE BANK, N.A.
Transfer Date	20180806; 20180807;
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights?	Yes/No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail The Borrower is entitled at any time to terminate a Loan and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.	
Does the lender have the right to recall early?	Yes/No
If yes, detail The Lender is entitled to terminate a Loan and to call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the standard settlement time for such Equivalent Securities on the exchange or in the clearing organisation through which the Loaned Securities were originally delivered.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions If the Borrower does not redeliver Equivalent Securities in accordance with the Agreement, the Lender may by written notice to Borrower terminate the Loan forthwith and the Parties' delivery and payment obligations in respect thereof.	

Schedule	
Type of Agreement	Global Master Securities Lending Agreement
Parties to agreement	Morgan Stanley & Co. International plc and CITIBANK NA
Transfer Date	20180806; 20180807;
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights?	Yes/No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail The Borrower is entitled at any time to terminate a Loan and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.	
Does the lender have the right to recall early?	Yes/No
If yes, detail The Lender is entitled to terminate a Loan and to call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the standard settlement time for such Equivalent Securities on the exchange or in the clearing organisation through which the Loaned Securities were originally delivered.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions If the Borrower does not redeliver Equivalent Securities in accordance with the Agreement, the Lender may by written notice to Borrower terminate the Loan forthwith and the Parties' delivery and payment obligations in respect thereof.	

Schedule	
Type of Agreement	International Prime Brokerage Agreement
Parties to agreement	Morgan Stanley & Co. International plc for itself and as agent and trustee for and on behalf of the other Morgan Stanley Companies and CREATION FUND LIMITED
Transfer Date	20170102; 20170203; 20170206; 20170208; 20170329; 20170330; 20170331; 20170403; 20170404; 20170405; 20170406; 20170407; 20170410; 20170411; 20170412; 20170501; 20170502; 20170503; 20170509; 20170510; 20170517; 20170523; 20170524; 20170525; 20170531; 20170601; 20170605; 20170607; 20170608; 20170609; 20170613; 20170615; 20170616; 20170621; 20170622; 20170623; 20170626; 20170627; 20170704; 20170706; 20170707; 20170710; 20170721; 20170816; 20170905; 20170912; 20170914; 20170915; 20170918; 20170920; 20170921; 20170922; 20170925; 20170928; 20171002; 20171004; 20171006; 20171009; 20171205; 20171220; 20171221; 20171222; 20171227; 20171228; 20180112; 20180115; 20180116; 20180118; 20180119; 20180328; 20180329; 20180605; 20180619; 20180628; 20180629; 20180702; 20180719; 20180725; 20180726;
Holder of Voting Rights	If prime broker has settled a short sale for the client, voting rights will pass to the purchaser of the securities.
Are there any restrictions on voting rights?	Yes/No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail	At any time the client may return to the prime broker shares which the client previously sold short.
Does the lender have the right to recall early?	Yes/No
If yes, detail	The prime broker may require the client to return shares delivered on behalf of the client at any time.
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions	Upon an Event of Default, the default market value of all Equivalent Securities to be delivered will be determined and on the basis of the amounts so established, an account shall be taken of what is due from each party to the other. The amounts due from one party shall be set off against the amounts due from the other party and only the balance of the account shall be payable.

Schedule	
Type of Agreement	Global Master Securities Lending Agreement
Parties to agreement	Morgan Stanley & Co. International plc and SPECIFIED MONEY TRUST FUND NO.400076190 FOR AISIN SEIKI CO., LTD. ENTRUSTED TO THE MASTER TRUST BANK OF JAPAN, LTD.
Transfer Date	20180806; 20180807;
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights?	Yes/No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail	The Borrower is entitled at any time to terminate a Loan and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.
Does the lender have the right to recall early?	Yes/No
If yes, detail	The Lender is entitled to terminate a Loan and to call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the standard settlement time for such Equivalent Securities on the exchange or in the clearing organisation through which the Loaned Securities were originally delivered.
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions	If the Borrower does not redeliver Equivalent Securities in accordance with the Agreement, the Lender may by written notice to Borrower terminate the Loan forthwith and the Parties' delivery and payment obligations in respect thereof.

Schedule	
Type of Agreement	Global Master Securities Lending Agreement
Parties to agreement	Morgan Stanley & Co. International plc and SPECIFIED MONEY TRUST FUND NO.400076192 FOR JAPAN AIRLINES CO., LTD. ENTRUSTED TO THE MASTER TRUST BANK OF JAPAN, LTD.
Transfer Date	20180807;
Holder of Voting Rights	Borrower

Are there any restrictions on voting rights?	Yes/No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail The Borrower is entitled at any time to terminate a Loan and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.	
Does the lender have the right to recall early?	Yes/No
If yes, detail The Lender is entitled to terminate a Loan and to call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the standard settlement time for such Equivalent Securities on the exchange or in the clearing organisation through which the Loaned Securities were originally delivered.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions If the Borrower does not redeliver Equivalent Securities in accordance with the Agreement, the Lender may by written notice to Borrower terminate the Loan forthwith and the Parties' delivery and payment obligations in respect thereof.	

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and ACADIAN MULTI-ASSET ABSOLUTE RETURN MASTER FUND
Transfer Date	20170213; 20170315; 20170330; 20171124; 20171208;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail The borrower may return shares to the lender at any time.	
Does the lender have the right to recall early?	Yes
If yes, detail The lender may recall shares from the borrower at any time.	
Will the securities be returned on settlement?	Yes
If yes, detail any exceptions In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to the prime broker.	

Schedule	
Type of Agreement	Customer Prime Broker Account Agreement
Parties to agreement	Morgan Stanley & Co. LLC on behalf of all Morgan Stanley entities and ADVISORS INNER CIRCLE FUND-CORNERSTONE ADVISORS PUBLIC ALTERNATIVES FUND
Transfer Date	20170124; 20170127; 20170303; 20170306; 20170307; 20170308; 20170309; 20170404; 20170519; 20170704; 20170718; 20170719; 20170720; 20170725; 20170726; 20170727; 20170728; 20170731; 20170922; 20170926; 20170927; 20171003; 20171006; 20171010; 20171108; 20171110; 20171114; 20171117; 20171121; 20171227; 20171228; 20171229; 20180102; 20180103; 20180108; 20180109; 20180110; 20180111; 20180206; 20180406; 20180409; 20180417; 20180420; 20180423;
Holder of Voting Rights	Shares are used to settle customer's short sales. Voting rights are held by third party purchaser.
Are there any restrictions on voting rights?	No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes
If yes, detail The borrower may return shares to the lender at any time.	
Does the lender have the right to recall early?	Yes
If yes, detail The lender may recall shares from the borrower at any time.	
Will the securities be returned on settlement?	Yes
If yes, detail any exceptions In the ordinary course of business, customer will return the securities to the prime broker. Upon a customer Event of Default, Morgan Stanley has the right to set off obligations owed to the customer against obligations of the customer to Morgan Stanley and to foreclose on any collateral for the purpose of arriving at a single closeout amount. In such a default scenario, the shares may not be returned to	

the prime broker.

Schedule	
Type of Agreement	Australian Master Securities Lending Agreement
Parties to agreement	Morgan Stanley Australia Securities Limited and CITIBANK NA
Transfer Date	20180725; 20180727; 20180731; 20180801; 20180802;
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights?	Yes/No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail	The Borrower shall be entitled at any time to terminate a particular loan of Securities and to redeliver all and any Equivalent Securities due and outstanding to the Lender in accordance with the Lender's instructions.
Does the lender have the right to recall early?	Yes/No
If yes, detail	The Lender may call for the redelivery of all or any Equivalent Securities at any time by giving notice on any Business Day of not less than the Standard Settlement Time for such Equivalent Securities or the equivalent time on the exchange or in the clearing organisation through which the relevant borrowed Securities were originally delivered.
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions	If an Event of Default occurs in relation to either Party, the Parties' delivery and payment obligations shall be accelerated so as to require performance thereof at the time such Event of Default occurs. In such event the Relevant Value of the Securities to be delivered by each Party shall be established and on the basis of the Relevant Values so established, an account shall be taken of what is due from each Party to the other and the sums due from one Party shall be set-off against the sums due from the other and only the balance of the account shall be payable.

Schedule	
Type of Agreement	International Prime Brokerage Agreement
Parties to agreement	Morgan Stanley & Co International plc for itself and as agent and trustee for and on behalf of the other Morgan Stanley Companies and MONASH ABSOLUTE INVESTMENT COMPANY LIMITED
Transfer Date	20180807;
Holder of Voting Rights	Prime broker has the right to vote securities rehypothecated from the Client.
Are there any restrictions on voting rights?	Yes/No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail	Prime broker may return shares which were rehypothecated from the client at any time.
Does the lender have the right to recall early?	Yes/No
If yes, detail	Prime broker will be required to return to the client shares rehypothecated from the client's account upon a sale of those shares by the client.
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions	Upon an Event of Default, the default market value of all Equivalent Securities to be delivered will be determined and on the basis of the amounts so established, an account shall be taken of what is due from each party to the other. The amounts due from one party shall be set off against the amounts due from the other party and only the balance of the account shall be payable.

Schedule	
Type of Agreement	International Prime Brokerage Agreement
Parties to agreement	Morgan Stanley & Co International plc for itself and as agent and trustee for and on behalf of the other Morgan Stanley Companies and ELLERSTON CAPITAL LIMITED AS RESPONSIBLE ENTITY FOR ELLERSTON AUSTRALIAN MARKET NEUTRAL FUND
Transfer Date	20180807;
Holder of Voting Rights	Prime broker has the right to vote securities rehypothecated from the Client.
Are there any restrictions on voting rights?	Yes/No
If yes, detail	Not applicable
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail	Prime broker may return shares which were rehypothecated from the client at any time.

Does the lender have the right to recall early?	Yes/No
If yes, detail Prime broker will be required to return to the client shares rehypothecated from the client's account upon a sale of those shares by the client.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions Upon an Event of Default, the default market value of all Equivalent Securities to be delivered will be determined and on the basis of the amounts so established, an account shall be taken of what is due from each party to the other. The amounts due from one party shall be set off against the amounts due from the other party and only the balance of the account shall be payable.	

Schedule	
Type of Agreement	International Prime Brokerage Agreement
Parties to agreement	Morgan Stanley & Co International plc for itself and as agent and trustee for and on behalf of the other Morgan Stanley Companies and CERES CAPITAL PTY LTD
Transfer Date	20180807;
Holder of Voting Rights	Prime broker has the right to vote securities rehypothecated from the Client.
Are there any restrictions on voting rights?	Yes/No
If yes, detail Not applicable	
Scheduled Return Date (if any)	Open
Does the borrower have the right to return early?	Yes/No
If yes, detail Prime broker may return shares which were rehypothecated from the client at any time.	
Does the lender have the right to recall early?	Yes/No
If yes, detail Prime broker will be required to return to the client shares rehypothecated from the client's account upon a sale of those shares by the client.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions Upon an Event of Default, the default market value of all Equivalent Securities to be delivered will be determined and on the basis of the amounts so established, an account shall be taken of what is due from each party to the other. The amounts due from one party shall be set off against the amounts due from the other party and only the balance of the account shall be payable.	

The above schedules are based on the relevant standard agreements. The entity filing the report will, if requested by the company or responsible entity to whom the prescribed form must be given or ASIC, give a copy of the agreement to the company, responsible entity or ASIC.

Signature

print name Wilson Li

capacity Vice President

sign here

date August 9, 2018

