

Form 604
Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme KAROON ENERGY LTD

ACN/ARSN 107 001 338

1. Details of substantial holder (1)

Name Morgan Stanley and its subsidiaries listed in Annexure A
ACN/ARSN (if applicable) Not Applicable

There was a change in the interests of the substantial holder on

November 14, 2019

The previous notice was given to the company on

November 11, 2019

The previous notice was dated

November 07, 2019

The holder became aware on

November 18, 2019

2. Previous and present 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 when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary Shares	23,625,417	5.43%	28,510,291	6.55%
		Based on 435,351,995 Ordinary Shares Outstanding		Based on 435,351,995 Ordinary Shares Outstanding

3. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of Securities affected	Person's votes affected
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	255.73	239 Ordinary Shares	239
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	2,199.68	2,085 Ordinary Shares	2,085
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	25.02	24 Ordinary Shares	24
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	16,096.84	15,628 Ordinary Shares	15,628
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	36,952.66	34,861 Ordinary Shares	34,861
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	8,966.54	8,459 Ordinary Shares	8,459
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	210.87	198 Ordinary Shares	198
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	2,326.75	2,270 Ordinary Shares	2,270
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	8,005.20	7,624 Ordinary Shares	7,624
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	351.45	330 Ordinary Shares	330
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	6,959.40	6,628 Ordinary Shares	6,628
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	392.38	365 Ordinary Shares	365
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	428.37	407 Ordinary Shares	407
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	996.32	958 Ordinary Shares	958
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	278.62	261 Ordinary Shares	261
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	4,266.42	4,044 Ordinary Shares	4,044
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	4,874.85	4,710 Ordinary Shares	4,710
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	1,101.24	1,064 Ordinary Shares	1,064
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	5,857.50	5,500 Ordinary Shares	5,500
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	643.42	607 Ordinary Shares	607

11/08/2019	Morgan Stanley Australia Securities Limited	Buy	1,985.50	1,900 Ordinary Shares	1,900
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	1,366.05	1,301 Ordinary Shares	1,301
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	14,617.40	13,790 Ordinary Shares	13,790
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	22,941.45	21,849 Ordinary Shares	21,849
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	6,788.31	6,374 Ordinary Shares	6,374
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	7,511.46	7,188 Ordinary Shares	7,188
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	9,555.52	9,188 Ordinary Shares	9,188
11/08/2019	Morgan Stanley Australia Securities Limited	Buy	18,461.30	17,837 Ordinary Shares	17,837
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	44.21	45 Ordinary Shares	45
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	7,800.00	8,000 Ordinary Shares	8,000
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	7,423.50	7,575 Ordinary Shares	7,575
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	314.22	319 Ordinary Shares	319
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	1,054.48	1,076 Ordinary Shares	1,076
11/08/2019	Morgan Stanley & Co. International plc	Sell	10.70	11 Ordinary Shares	11
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	631.01	639 Ordinary Shares	639
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	3,822.00	3,920 Ordinary Shares	3,920
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	6,313.85	6,410 Ordinary Shares	6,410
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	36.08	37 Ordinary Shares	37
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	581.10	596 Ordinary Shares	596
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	802.78	815 Ordinary Shares	815
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	25,583.88	26,106 Ordinary Shares	26,106
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	3,620.86	3,676 Ordinary Shares	3,676
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	56.43	57 Ordinary Shares	57
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	10.70	11 Ordinary Shares	11
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	321.60	329 Ordinary Shares	329
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	421.66	427 Ordinary Shares	427
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	896.65	922 Ordinary Shares	922
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	8.69	9 Ordinary Shares	9
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	2,227.54	2,273 Ordinary Shares	2,273
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	4,288.73	4,410 Ordinary Shares	4,410
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	716.38	731 Ordinary Shares	731
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	2,638.40	2,720 Ordinary Shares	2,720
11/08/2019	Morgan Stanley Australia Securities Limited	Sell	18,001.62	18,369 Ordinary Shares	18,369
11/08/2019	Morgan Stanley & Co. LLC	Borrow Returned	N/A	619,813 Ordinary Shares	619,813
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	4,776.59	4,706 Ordinary Shares	4,706
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,170.45	1,156 Ordinary Shares	1,156
11/11/2019	Morgan Stanley Australia Securities Limited	Buy	31,800.00	30,000 Ordinary Shares	30,000
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	2,876.48	2,848 Ordinary Shares	2,848
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1.01	1 Ordinary Shares	1
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	779.95	778 Ordinary Shares	778
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,792.92	1,784 Ordinary Shares	1,784
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	756.45	738 Ordinary Shares	738
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	10,502.00	10,502 Ordinary Shares	10,502
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,947.50	1,900 Ordinary Shares	1,900
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	811.80	792 Ordinary Shares	792
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	2,890.80	2,920 Ordinary Shares	2,920
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	5,749.23	5,609 Ordinary Shares	5,609
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	3,817.82	3,837 Ordinary Shares	3,837
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	2,316.24	2,299 Ordinary Shares	2,299
11/11/2019	Morgan Stanley Australia Securities Limited	Buy	4,220,000.00	4,000,000 Ordinary Shares	4,000,000
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	11,214.23	10,835 Ordinary Shares	10,835
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	2,934.60	2,920 Ordinary Shares	2,920
11/11/2019	Morgan Stanley Australia Securities Limited	Buy	11,778.02	11,164 Ordinary Shares	11,164
11/11/2019	Morgan Stanley Australia Securities Limited	Buy	2,080.00	2,000 Ordinary Shares	2,000
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	7,821.59	7,706 Ordinary Shares	7,706
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,020.00	1,000 Ordinary Shares	1,000
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	8,175.50	8,300 Ordinary Shares	8,300

11/11/2019	Morgan Stanley Australia Securities Limited	Sell	648.59	639 Ordinary Shares	639
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	13,422.18	13,159 Ordinary Shares	13,159
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	47.71	47 Ordinary Shares	47
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	6,858.91	6,791 Ordinary Shares	6,791
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	3,001.50	2,900 Ordinary Shares	2,900
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	30,900.00	30,000 Ordinary Shares	30,000
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	11,177.61	11,122 Ordinary Shares	11,122
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,242.25	1,233 Ordinary Shares	1,233
11/11/2019	Morgan Stanley Australia Securities Limited	Buy	4,833.60	4,560 Ordinary Shares	4,560
11/11/2019	Morgan Stanley Australia Securities Limited	Buy	340.20	324 Ordinary Shares	324
11/11/2019	Morgan Stanley Australia Securities Limited	Buy	1,045.00	1,000 Ordinary Shares	1,000
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	32,669.23	32,215 Ordinary Shares	32,215
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	8,078.40	7,920 Ordinary Shares	7,920
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	4,165.60	4,064 Ordinary Shares	4,064
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	2,151.30	2,130 Ordinary Shares	2,130
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,869.00	1,869 Ordinary Shares	1,869
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	34.00	34 Ordinary Shares	34
11/11/2019	Morgan Stanley Australia Securities Limited	Buy	9,965.28	9,582 Ordinary Shares	9,582
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	823.14	807 Ordinary Shares	807
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	17,873.42	17,269 Ordinary Shares	17,269
11/11/2019	Morgan Stanley Australia Securities Limited	Buy	2,157.48	2,045 Ordinary Shares	2,045
11/11/2019	Morgan Stanley Australia Securities Limited	Buy	8,129.10	7,742 Ordinary Shares	7,742
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,362.16	1,369 Ordinary Shares	1,369
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	473.36	471 Ordinary Shares	471
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,871.50	1,900 Ordinary Shares	1,900
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,497.76	1,472 Ordinary Shares	1,472
11/11/2019	Morgan Stanley Australia Securities Limited	Sell	1,811.70	1,830 Ordinary Shares	1,830
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	210.87	198 Ordinary Shares	198
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	48.53	46 Ordinary Shares	46
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	4,032.24	3,804 Ordinary Shares	3,804
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	27,396.24	25,968 Ordinary Shares	25,968
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	6,408.72	5,934 Ordinary Shares	5,934
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	3,122.58	2,932 Ordinary Shares	2,932
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	22,840.22	21,346 Ordinary Shares	21,346
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,985.50	1,900 Ordinary Shares	1,900
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,905.32	1,748 Ordinary Shares	1,748
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	531.06	501 Ordinary Shares	501
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,401.08	2,354 Ordinary Shares	2,354
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	243.60	232 Ordinary Shares	232
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	14,128.29	13,266 Ordinary Shares	13,266
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	4,180.68	3,871 Ordinary Shares	3,871
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,361.84	2,271 Ordinary Shares	2,271
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	18,792.24	17,983 Ordinary Shares	17,983
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,120.55	2,010 Ordinary Shares	2,010
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	109.65	102 Ordinary Shares	102
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,101.24	1,064 Ordinary Shares	1,064
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,043.28	1,008 Ordinary Shares	1,008
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	112.36	106 Ordinary Shares	106
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	14,438.15	14,086 Ordinary Shares	14,086
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	1,428.47	1,354 Ordinary Shares	1,354
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	2,996.00	2,800 Ordinary Shares	2,800
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	1,040.00	1,000 Ordinary Shares	1,000
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	265.19	249 Ordinary Shares	249
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	14,345.76	13,728 Ordinary Shares	13,728
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	104,434.45	98,990 Ordinary Shares	98,990
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	4,427.89	4,081 Ordinary Shares	4,081
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	645.58	595 Ordinary Shares	595

11/12/2019	Morgan Stanley Australia Securities Limited	Sell	255.73	239 Ordinary Shares	239
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	11,834.04	11,602 Ordinary Shares	11,602
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	3,802.75	3,710 Ordinary Shares	3,710
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	477.00	450 Ordinary Shares	450
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	3,670.35	3,479 Ordinary Shares	3,479
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	7,682.37	7,334 Ordinary Shares	7,334
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	10,295.54	9,622 Ordinary Shares	9,622
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	5,612.70	5,371 Ordinary Shares	5,371
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,165.28	2,082 Ordinary Shares	2,082
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	3,294.97	3,199 Ordinary Shares	3,199
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	6,282.62	5,927 Ordinary Shares	5,927
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	50,125.28	47,288 Ordinary Shares	47,288
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	2,100.00	2,000 Ordinary Shares	2,000
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	5,263.23	4,942 Ordinary Shares	4,942
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,311.05	2,170 Ordinary Shares	2,170
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	4,397.40	4,188 Ordinary Shares	4,188
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	3,573.08	3,355 Ordinary Shares	3,355
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	751.43	699 Ordinary Shares	699
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	7,370.87	6,921 Ordinary Shares	6,921
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	3,006.75	2,850 Ordinary Shares	2,850
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	20,930.76	19,746 Ordinary Shares	19,746
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	2,599.67	2,441 Ordinary Shares	2,441
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	8,530.65	8,010 Ordinary Shares	8,010
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	21,420.00	20,400 Ordinary Shares	20,400
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	17,017.25	15,830 Ordinary Shares	15,830
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,573.97	2,499 Ordinary Shares	2,499
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	16,771.34	15,897 Ordinary Shares	15,897
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,286.90	2,178 Ordinary Shares	2,178
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,968.18	2,774 Ordinary Shares	2,774
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,122.45	1,069 Ordinary Shares	1,069
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	94,854.10	89,485 Ordinary Shares	89,485
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	493.68	484 Ordinary Shares	484
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	30.60	29 Ordinary Shares	29
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,916.25	1,825 Ordinary Shares	1,825
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	11,822.18	11,153 Ordinary Shares	11,153
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	25,380.40	23,720 Ordinary Shares	23,720
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	18,362.40	17,488 Ordinary Shares	17,488
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,467.57	1,378 Ordinary Shares	1,378
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	741.96	687 Ordinary Shares	687
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	2,318.86	2,219 Ordinary Shares	2,219
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	100.35	94 Ordinary Shares	94
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	15,936.90	15,178 Ordinary Shares	15,178
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	10,750.00	10,000 Ordinary Shares	10,000
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	26,625.00	25,000 Ordinary Shares	25,000
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	1,354.62	1,284 Ordinary Shares	1,284
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	7,462.35	7,210 Ordinary Shares	7,210
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	6,956.67	6,594 Ordinary Shares	6,594
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	11,641.76	11,194 Ordinary Shares	11,194
11/12/2019	Morgan Stanley Australia Securities Limited	Sell	24,094.26	22,518 Ordinary Shares	22,518
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	7,667.62	7,166 Ordinary Shares	7,166
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	1,502.28	1,404 Ordinary Shares	1,404
11/12/2019	Morgan Stanley Australia Securities Limited	Buy	1,035.00	1,000 Ordinary Shares	1,000
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	9,326.94	8,799 Ordinary Shares	8,799
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	6,539.95	6,199 Ordinary Shares	6,199
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	20,444.85	19,379 Ordinary Shares	19,379
11/13/2019	Morgan Stanley & Co. International plc	Buy	8,240.40	7,630 Ordinary Shares	7,630
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	6,568.82	6,197 Ordinary Shares	6,197

11/13/2019	Morgan Stanley Australia Securities Limited	Buy	1,125.72	1,062 Ordinary Shares	1,062
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	8,240.40	7,630 Ordinary Shares	7,630
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	385.88	350 Ordinary Shares	350
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	1,964.60	1,786 Ordinary Shares	1,786
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	310.80	280 Ordinary Shares	280
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	151,333.37	144,471 Ordinary Shares	144,471
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	2,040.15	1,943 Ordinary Shares	1,943
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	7,783.65	7,413 Ordinary Shares	7,413
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	11.61	11 Ordinary Shares	11
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	1,920.24	1,778 Ordinary Shares	1,778
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	11,632.29	10,721 Ordinary Shares	10,721
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	10,673.64	9,883 Ordinary Shares	9,883
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	5,448.10	5,068 Ordinary Shares	5,068
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	31,178.23	29,003 Ordinary Shares	29,003
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	5,113.59	4,847 Ordinary Shares	4,847
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	17,986.50	17,130 Ordinary Shares	17,130
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	36,892.80	35,136 Ordinary Shares	35,136
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	340.20	324 Ordinary Shares	324
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	16,084.44	15,174 Ordinary Shares	15,174
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	4,170.60	3,991 Ordinary Shares	3,991
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	9,784.65	9,102 Ordinary Shares	9,102
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	2,106.00	2,025 Ordinary Shares	2,025
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	305.95	290 Ordinary Shares	290
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	79.04	76 Ordinary Shares	76
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	9,010.00	8,500 Ordinary Shares	8,500
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	24,119.09	22,916 Ordinary Shares	22,916
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	1,055.00	1,000 Ordinary Shares	1,000
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	3,597.48	3,331 Ordinary Shares	3,331
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	6,958.71	6,534 Ordinary Shares	6,534
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	1,071.78	997 Ordinary Shares	997
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	5,014.00	4,600 Ordinary Shares	4,600
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	1,996.50	1,815 Ordinary Shares	1,815
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	600.06	548 Ordinary Shares	548
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	9,916.22	9,311 Ordinary Shares	9,311
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	96,445.44	92,736 Ordinary Shares	92,736
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	15.68	15 Ordinary Shares	15
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	6,496.77	6,217 Ordinary Shares	6,217
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	335.27	309 Ordinary Shares	309
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	1,759.08	1,644 Ordinary Shares	1,644
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	3,689.40	3,432 Ordinary Shares	3,432
11/13/2019	Morgan Stanley Australia Securities Limited	Buy	2,556.23	2,389 Ordinary Shares	2,389
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	10,013.19	9,582 Ordinary Shares	9,582
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	195,910.27	185,013 Ordinary Shares	185,013
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	330.72	318 Ordinary Shares	318
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	2,333.10	2,222 Ordinary Shares	2,222
11/13/2019	Morgan Stanley Australia Securities Limited	Sell	236,735.07	227,084 Ordinary Shares	227,084
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	12,991.65	12,373 Ordinary Shares	12,373
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	39,086.57	36,701 Ordinary Shares	36,701
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	26,730.02	25,217 Ordinary Shares	25,217
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	38,410.16	36,236 Ordinary Shares	36,236
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	805.71	753 Ordinary Shares	753
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	85,600.00	80,000 Ordinary Shares	80,000
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	7,689.02	7,186 Ordinary Shares	7,186
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	9,599.04	8,888 Ordinary Shares	8,888
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	505.25	470 Ordinary Shares	470
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	3,711.79	3,421 Ordinary Shares	3,421
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	8,188.08	7,512 Ordinary Shares	7,512

11/14/2019	Morgan Stanley Australia Securities Limited	Sell	88,755.04	84,128 Ordinary Shares	84,128
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	69,097.60	66,440 Ordinary Shares	66,440
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	879.62	824 Ordinary Shares	824
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	103,969.14	99,492 Ordinary Shares	99,492
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	222,338.99	208,769 Ordinary Shares	208,769
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	8,631.36	7,992 Ordinary Shares	7,992
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	361.20	344 Ordinary Shares	344
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	11,557.07	10,801 Ordinary Shares	10,801
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	2,335.58	2,235 Ordinary Shares	2,235
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	1,191.36	1,088 Ordinary Shares	1,088
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	2,781.03	2,587 Ordinary Shares	2,587
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	44,200.00	40,000 Ordinary Shares	40,000
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	22.73	21 Ordinary Shares	21
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	12,675.22	11,846 Ordinary Shares	11,846
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	939.55	874 Ordinary Shares	874
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	23,161.95	21,546 Ordinary Shares	21,546
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	1,083.91	1,013 Ordinary Shares	1,013
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	21,884.85	20,358 Ordinary Shares	20,358
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	639.10	581 Ordinary Shares	581
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	4,236.91	3,914 Ordinary Shares	3,914
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	115.29	107 Ordinary Shares	107
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	3,122.58	2,932 Ordinary Shares	2,932
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	9,214.37	8,734 Ordinary Shares	8,734
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	138.86	131 Ordinary Shares	131
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	3,764.25	3,585 Ordinary Shares	3,585
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	13,199.68	12,692 Ordinary Shares	12,692
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	3,764.78	3,535 Ordinary Shares	3,535
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	6,745.84	6,364 Ordinary Shares	6,364
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	1,603.93	1,499 Ordinary Shares	1,499
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	27,245.16	25,227 Ordinary Shares	25,227
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	5,550.60	5,046 Ordinary Shares	5,046
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	1,574.19	1,415 Ordinary Shares	1,415
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	1.05	1 Ordinary Shares	1
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	266,530.64	251,444 Ordinary Shares	251,444
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	438,142.53	409,479 Ordinary Shares	409,479
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	15,940.28	15,476 Ordinary Shares	15,476
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	1,606.50	1,530 Ordinary Shares	1,530
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	92,363.25	87,965 Ordinary Shares	87,965
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	9,721.64	9,303 Ordinary Shares	9,303
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	26,937.95	26,027 Ordinary Shares	26,027
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	6,819.52	6,464 Ordinary Shares	6,464
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	9,885.38	9,090 Ordinary Shares	9,090
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	1,520.70	1,370 Ordinary Shares	1,370
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	7,327.00	6,800 Ordinary Shares	6,800
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	3,049.78	2,837 Ordinary Shares	2,837
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	1,428.47	1,354 Ordinary Shares	1,354
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	178,156.40	167,283 Ordinary Shares	167,283
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	49,815.38	46,775 Ordinary Shares	46,775
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	42,600.00	40,000 Ordinary Shares	40,000
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	88,552.13	82,759 Ordinary Shares	82,759
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	11,822.18	11,153 Ordinary Shares	11,153
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	166,328.29	155,447 Ordinary Shares	155,447
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	1,641.32	1,482 Ordinary Shares	1,482
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	103,200.00	96,000 Ordinary Shares	96,000
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	561.15	522 Ordinary Shares	522
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	1,075.65	1,010 Ordinary Shares	1,010
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	5,528.42	5,191 Ordinary Shares	5,191

11/14/2019	Morgan Stanley Australia Securities Limited	Buy	5,630.85	5,238 Ordinary Shares	5,238
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	5,475,000.00	5,000,000 Ordinary Shares	5,000,000
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	1,125.36	1,042 Ordinary Shares	1,042
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	6,665.40	6,348 Ordinary Shares	6,348
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	1,430.30	1,343 Ordinary Shares	1,343
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	326.48	308 Ordinary Shares	308
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	3,930.15	3,743 Ordinary Shares	3,743
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	355.32	329 Ordinary Shares	329
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	1,824.26	1,721 Ordinary Shares	1,721
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	5,017.68	4,646 Ordinary Shares	4,646
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	107,663.78	100,856 Ordinary Shares	100,856
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	3,285.00	3,000 Ordinary Shares	3,000
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	3,247.77	2,966 Ordinary Shares	2,966
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	7,012.44	6,493 Ordinary Shares	6,493
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	2,523.62	2,289 Ordinary Shares	2,289
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	3,287.35	3,058 Ordinary Shares	3,058
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	3,250.08	2,928 Ordinary Shares	2,928
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	56,922.53	53,955 Ordinary Shares	53,955
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	173,296.20	165,044 Ordinary Shares	165,044
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	103,003.20	99,520 Ordinary Shares	99,520
11/14/2019	Morgan Stanley Australia Securities Limited	Sell	70,631.55	67,590 Ordinary Shares	67,590
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	11,427.48	10,581 Ordinary Shares	10,581
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	4,003.65	3,690 Ordinary Shares	3,690
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	200.42	186 Ordinary Shares	186
11/14/2019	Morgan Stanley Australia Securities Limited	Buy	4,823.03	4,497 Ordinary Shares	4,497

4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
Morgan Stanley & Co. International plc	HSBC Custody Nominees (Australia) Limited	Not Applicable	Holder of securities subject to an obligation to return under a securities lending agreement through an associate.	1,569,163 Ordinary Shares	1,569,163
Morgan Stanley & Co. International plc	HSBC Custody Nominees (Australia) Limited	Not Applicable	Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of sales and trading businesses.	8,834 Ordinary Shares	8,834
Morgan Stanley Australia Securities Limited	Morgan Stanley Australia Securities (Nominee) Pty Limited	Not Applicable	Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of sales and trading businesses.	26,319,026 Ordinary Shares	26,319,026
Morgan Stanley Australia Securities Limited	Morgan Stanley Australia Securities (Nominee) Pty Limited	Not Applicable	Holder of securities subject to an obligation to return under a securities lending agreement through an associate.	611,024 Ordinary Shares	611,024
Morgan Stanley Investment Management Inc.	HSBC Custody Nominees (Australia) Limited	Not Applicable	Shares held or in respect of which the holder may exercise control over disposal in the ordinary course of investment management business.	2,244 Ordinary Shares	2,244
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.	28,510,291 Ordinary Shares	28,510,291

5. Changes in association

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

Name and ACN/ARSN (if applicable)	Nature of association
Not Applicable	Not Applicable

6. Addresses

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

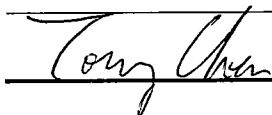
Name	Address
Morgan Stanley	1585 Broadway, New York, New York, 10036, USA.
Morgan Stanley & Co. International plc	Legal & Compliance Department, 25 Cabot Square, Canary Wharf, London, E14 4QA, UNITED KINGDOM.
Morgan Stanley Investment Management Inc.	522 5th Avenue, 6th Floor, New York, 10036, USA.
Morgan Stanley Australia Securities Limited	Level 39, Chifley Tower, 2 Chifley Square, Sydney, 2000, AUSTRALIA.
Morgan Stanley & Co. LLC	1585 Broadway, New York, 10036, USA.

Signature

print name Tony Chen

capacity Vice President

sign here



date 18 November 2019

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 4.

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

Signature

print name Tony Chen

capacity Vice President

sign here

Tony Chen

date 18 November 2019

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 604.

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 A.C.N 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 604: Notice of change of interests of substantial holder issued by Morgan Stanley and its subsidiaries. The following is description of the securities lending agreements referenced in the accompanying Form 604.

Schedule	
Type of Agreement	Master Securities Loan Agreement
Parties to agreement	Morgan Stanley & Co. LLC, MS Securities Services Inc. and BROWN BROTHERS HARRIMAN & CO.
Transfer Date	20191028; 20191108;
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 Either party may terminate a Loan on a termination date established by notice given to the other party prior to the Close of Business on a Business Day. The termination date established by a termination notice shall be a date no earlier than the standard settlement date that would apply to a purchase or sale of the Loaned Securities (in the case of a notice given by Lender) or the non-cash Collateral securing the Loan (in the case of a notice given by Borrower) entered into at the time of such notice, which date shall, unless Borrower and Lender agree to the contrary, be the third Business Day following such notice.	
Does the lender have the right to recall early?	Yes/No
If yes, detail Either party may terminate a Loan on a termination date established by notice given to the other party prior to the Close of Business on a Business Day. The termination date established by a termination notice shall be a date no earlier than the standard settlement date that would apply to a purchase or sale of the Loaned Securities (in the case of a notice given by Lender) or the non-cash Collateral securing the Loan (in the case of a notice given by Borrower) entered into at the time of such notice, which date shall, unless Borrower and Lender agree to the contrary, be the third Business Day following such notice.	
Will the securities be returned on settlement?	Yes/No
If yes, detail any exceptions Upon the occurrence of a Default entitling the Lender to terminate all Loans, the Lender has the right to purchase a like amount of Loaned Securities, to sell any Collateral and to apply and set off the Collateral and any proceeds thereof against the payment of the purchase price for such Replacement Securities. In the event the Lender exercises such rights, the Borrower's obligation to return a like amount of the Loaned Securities shall terminate.	

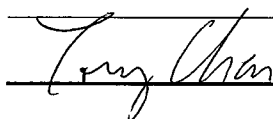
The above schedules are based on the relevant standard agreements. The entity filing the report will, if requested by the company or responsible entity to whom the prescribed form must be given or ASIC, give a copy of the agreement to the company, responsible entity or ASIC.

Signature

print name Tony Chen

capacity Vice President

sign here



date November 18, 2019

