



5 June 2018

ASX Market Release

Disclosure of beginning to have substantial holding

The following substantial product holder notice for BlackRock, Inc. and related bodies corporate was released to the NXZ on 5 June 2018.

For further information contact:

The a2 Milk Company Limited

Geoffrey Babidge

Managing Director & CEO

+61 2 96977000

Disclosure of beginning to have substantial holding
Section 276, Financial Markets Conduct Act 2013

To: New Zealand Stock Exchange

And: The A2 Milk Company Limited

Date this disclosure made: 04 June 2018

Date on which substantial holding began: 31 May 2018

Substantial product holder(s) giving disclosure

Name(s): BlackRock, Inc. and related bodies corporate

Summary of substantial holding to which disclosure relates

Class of listed voting securities: Ordinary Share

Summary for: Product holders listed in Appendix A

For this disclosure,—

- (a) total number held in class: 36,733,392 Ord
- (b) total in class: 730,039,067
- (c) total percentage held in class: 5.032%

Details of transactions and events giving rise to person beginning to have substantial holding

Details of the transactions or other events requiring disclosure under the instructions to this form:
Refer to Appendix B

Details of relevant interests currently in substantial holding

Details for: Product holders listed in Appendix A

Nature of relevant interest(s): The power to control the acquisition or disposal of the quoted voting product and/or the exercise of a right to vote attached to the quoted voting product, arising only from the powers of investment contained in each case under investment management agreements appointing each entity as investment manager of funds or separate accounts (i.e. entity currently exercising investment discretion on behalf of the relevant funds or separate accounts). No relevant agreement document needs to be attached under Regulation 142.

For that relevant interest,—

- (a) number held in class: Refer to Appendix A
- (b) percentage held in class: Refer to Appendix A
- (c) current registered holder(s) of securities: Refer to Appendix A
- (d) registered holder(s) of securities once transfers registered: Not applicable

For a derivative relevant interest, also—

- (a) type of derivative: Contract for Difference
- (b) details of derivative: [specify details required by the instructions to this form]
 - Notional number of underlying shares: 194,990
 - These derivatives are all cash-settled.
 - Derivatives were acquired and/or disposed of as follows: Refer to Appendix B
- (c) parties to the derivative: Refer to Appendix C

- (d) if the substantial product holder is not a party to the derivative, the nature of the relevant interest in the derivative:

The power to control the acquisition or disposal of the derivative – Refer to Appendix C

Additional information

Nature of connection between substantial security holders: Refer to Appendix A

Address(es) of substantial security holder(s): Refer to Appendix A

Contact details: Bradley Taylor , Tel +1-302-797-2361, Email bradley.taylor@blackrock.com

Name of any other person believed to have given, or believed to be required to give, a disclosure under the Act in relation to the securities to which this disclosure relates: Not applicable.

Certification

I, Bradley Taylor, Authorised Signatory, certify that, to the best of my knowledge and belief, the information contained in this disclosure is correct and that I am duly authorised to make this disclosure for BlackRock Investment Management (Australia) Limited.

Appendix A

Holder of Relevant Interests	Total Held in Class				Nature of Association	Address
	Class	CCY	Number of Securities	%		
BlackRock (Netherlands) B.V.	ORD	NZD	154,934	0.021%	subsidiary of BlackRock Inc.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
BlackRock (Singapore) Limited	ORD	NZD	10,248	0.001%	subsidiary of BlackRock Inc.	20 Anson Road #18-01 079912 Singapore
BlackRock Advisors (UK) Limited	ORD	AUD	1,594	0.000%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors (UK) Limited	ORD	NZD	2,389,658	0.327%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	ORD	NZD	635,740	0.087%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Asset Management Canada Limited	ORD	NZD	396,308	0.054%	subsidiary of BlackRock Inc.	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Financial Management, Inc.	ORD	AUD	234,538	0.032%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Financial Management, Inc.	ORD	NZD	327,469	0.045%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Fund Advisors	ORD	NZD	10,142,703	1.389%	subsidiary of BlackRock Inc.	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	CFD	AUD	192,287	0.026%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Institutional Trust Company, National Association	ORD	AUD	623,937	0.085%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Institutional Trust Company, National Association	ORD	NZD	11,067,796	1.516%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock International Limited	ORD	NZD	302,467	0.041%	subsidiary of BlackRock Inc.	Exchange Place One, 1 Semple Street,
BlackRock Investment Management (Australia) Limited	ORD	AUD	6,749,981	0.925%	subsidiary of BlackRock Inc.	Level 26, 101 Collins Street Melbourne VIC 3000
BlackRock Investment Management (Australia) Limited	ORD	NZD	275,545	0.038%	subsidiary of BlackRock Inc.	Level 26, 101 Collins Street Melbourne VIC 3000
BlackRock Investment Management (UK) Limited	CFD	AUD	2,703	0.000%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL
BlackRock Investment Management (UK) Limited	ORD	NZD	1,747,474	0.239%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL
BlackRock Investment Management, LLC	ORD	AUD	166,373	0.023%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle
BlackRock Investment Management, LLC	ORD	NZD	545,082	0.075%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle
BlackRock Japan Co., Ltd.	ORD	NZD	766,555	0.105%	subsidiary of BlackRock Inc.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi,

The A2 Milk Company Limited

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected	Person's votes affected
01-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy	9.19	CFD 231	231
01-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 19,985	19,985
01-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 5,710	5,710
01-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 18,272	18,272
01-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 8,565	8,565
01-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD -3,800	-3,800
02-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.31	ORD 3,012	3,012
02-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 8,565	8,565
02-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD -30,240	-30,240
02-Feb-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD -144,150	-144,150
05-Feb-18	BlackRock Financial Management, Inc.	on mkt sell	9.04	ORD -419,401	-419,401
05-Feb-18	BlackRock Fund Advisors	on mkt buy	9.04	ORD 4,114	4,114
05-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	8.96	ORD -25,258	-25,258
06-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy	8.35	CFD 398	398
07-Feb-18	BlackRock Fund Advisors	on mkt buy	8.83	ORD 47,135	47,135
07-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	8.81	ORD -44,448	-44,448
07-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	8.81	ORD -10,321	-10,321
07-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	8.81	ORD -10,244	-10,244
07-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	8.81	ORD -8,840	-8,840
07-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	8.81	ORD -19,256	-19,256
07-Feb-18	BlackRock Fund Advisors	on mkt buy	8.85	ORD 11,834	11,834
07-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 8,565	8,565
08-Feb-18	BlackRock Fund Advisors	on mkt buy	8.95	ORD 4,654	4,654
08-Feb-18	BlackRock Fund Advisors	on mkt buy	8.88	ORD 1,264	1,264
08-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 8,565	8,565
09-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy	8.71	ORD 217,376	217,376
09-Feb-18	BlackRock Fund Advisors	on mkt buy	8.74	ORD 824	824
09-Feb-18	BlackRock Financial Management, Inc.	on mkt sell	8.74	ORD -1,709	-1,709
09-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 776	776

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
09-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD -62,888 -62,888
12-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy	8.84	ORD 4,300 4,300
13-Feb-18	BlackRock Asset Management Canada Limited	on mkt sell	9.07	ORD -1,259 -1,259
13-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.07	ORD -60,218 -60,218
13-Feb-18	BlackRock Investment Management (UK) Limited	on mkt sell	9.07	ORD -25,690 -25,690
13-Feb-18	BlackRock Investment Management (UK) Limited	on mkt sell	9.07	ORD -369,420 -369,420
13-Feb-18	BlackRock Investment Management (UK) Limited	on mkt sell	9.07	ORD -101,241 -101,241
13-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.07	ORD -31,469 -31,469
13-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 11,420 11,420
13-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 6,852 6,852
14-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	8.99	ORD -6,835 -6,835
14-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 8,565 8,565
14-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 94,332 94,332
15-Feb-18	BlackRock Fund Advisors	on mkt buy	9.08	ORD 1,892 1,892
15-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.09	ORD 3,971 3,971
15-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	9.1	ORD 1,188 1,188
16-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	9.19	ORD -806 -806
16-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 3,800 3,800
20-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy	9.32	CFD 3,288 3,288
20-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	9.35	ORD -884 -884
21-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.49	ORD -4,656 -4,656
21-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.49	ORD -22,782 -22,782
21-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 15,988 15,988
22-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.23	ORD -1,539 -1,539
22-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13	ORD 22,860 22,860
22-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.92	CFD 124,008 124,008
23-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.62	ORD -4,512 -4,512
23-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 1,158 1,158
26-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.1	ORD 6,640 6,640
26-Feb-18	BlackRock Fund Advisors	in specie	n/a	ORD 7,141 7,141
27-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.18	ORD 5,257 5,257
27-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.17	ORD 16,279 16,279

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
27-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy 13.17	ORD 7,682	7,682
27-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy 13.17	ORD 106,959	106,959
27-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy 13.17	ORD 16,551	16,551
27-Feb-18	BlackRock Asset Management Canada Limited	on mkt buy 13.17	ORD 408	408
27-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy 13.17	ORD 7,057	7,057
27-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy 13.13	CFD 57,309	57,309
27-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy 13.13	CFD 320	320
27-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt sell 13.17	ORD -888	-888
27-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt sell 13.13	ORD -22,860	-22,860
27-Feb-18	BlackRock Fund Advisors	in specie n/a	ORD 3,997	3,997
27-Feb-18	BlackRock Fund Advisors	in specie n/a	ORD 15,417	15,417
28-Feb-18	BlackRock Asset Management Canada Limited	on mkt buy 13.16	ORD 148	148
28-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy 13.16	ORD 5,886	5,886
28-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy 13.16	ORD 2,777	2,777
28-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy 13.16	ORD 38,668	38,668
28-Feb-18	BlackRock Investment Management (UK) Limited	on mkt buy 13.16	ORD 5,983	5,983
28-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy 13.16	ORD 2,552	2,552
28-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy 13.2	ORD 34,188	34,188
28-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy 13.2	ORD 2,858	2,858
28-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy 13.2	ORD 3,980	3,980
28-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy 13.2	ORD 3,764	3,764
28-Feb-18	BlackRock Fund Advisors	on mkt sell 13.23	ORD -62,145	-62,145
28-Feb-18	BlackRock Institutional Trust Company, National Association	on mkt buy 13.19	ORD 4,731	4,731
28-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy 13.19	ORD 4,247	4,247
28-Feb-18	BlackRock Investment Management (Australia) Limited	on mkt buy 13.19	ORD 3,415	3,415
01-Mar-18	BlackRock Asset Management Canada Limited	on mkt buy 13.11	ORD 172	172
01-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy 13.11	ORD 6,834	6,834
01-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy 13.11	ORD 3,225	3,225
01-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy 13.11	ORD 44,897	44,897
01-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy 13.11	ORD 6,947	6,947
01-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy 13.11	ORD 2,963	2,963
01-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy 13.07	CFD 287	287

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected	Person's votes affected	
01-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.07	CFD	525	525
01-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.08	CFD	46,045	46,045
01-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.08	ORD	52,003	52,003
02-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.9	ORD	31,657	31,657
02-Mar-18	BlackRock Asset Management Canada Limited	on mkt buy	12.9	ORD	121	121
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.9	ORD	4,819	4,819
02-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.9	ORD	2,274	2,274
02-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.9	ORD	4,898	4,898
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.9	ORD	2,089	2,089
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.9	ORD	-851	-851
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.95	ORD	977	977
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.95	ORD	4,358	4,358
02-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.95	ORD	4,120	4,120
02-Mar-18	BlackRock Fund Advisors	in specie	n/a	ORD	30,423	30,423
05-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.88	ORD	6,879	6,879
05-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.88	ORD	3,245	3,245
05-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.88	ORD	45,189	45,189
05-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.88	ORD	6,993	6,993
05-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.88	ORD	2,983	2,983
05-Mar-18	BlackRock Asset Management Canada Limited	on mkt buy	12.88	ORD	173	173
05-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.79	ORD	4,178	4,178
05-Mar-18	BlackRock Fund Advisors	in specie	n/a	ORD	2,316	2,316
05-Mar-18	BlackRock Fund Advisors	in specie	n/a	ORD	11,420	11,420
05-Mar-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-18,692	-18,692
06-Mar-18	BlackRock Asset Management Canada Limited	on mkt buy	12.71	ORD	179	179
06-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.71	ORD	7,106	7,106
06-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.71	ORD	3,353	3,353
06-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.71	ORD	46,685	46,685
06-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.71	ORD	7,224	7,224
06-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.71	ORD	3,081	3,081
06-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.69	CFD	1,468	1,468
06-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.7	CFD	6,818	6,818

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
06-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.7 ORD 902	902
06-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.7 ORD 1,353	1,353
06-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.7 ORD 1,281	1,281
06-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.75 ORD 12,080	12,080
06-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 14,275	14,275
06-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 33,490	33,490
07-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.6 ORD 4,432	4,432
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.6 ORD 3,250	3,250
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.6 ORD 13,085	13,085
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.6 ORD 4,074	4,074
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.6 ORD 13,127	13,127
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.6 ORD 3,559	3,559
07-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.6 ORD 7,700	7,700
07-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 11,420	11,420
07-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 42,825	42,825
08-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.94 CFD 1,148	1,148
08-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.96 ORD 296,215	296,215
08-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.96 ORD 473,351	473,351
08-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	13.09 ORD -22,854	-22,854
08-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.1 CFD -12,085	-12,085
08-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.15 ORD 3,739	3,739
08-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 10,278	10,278
08-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 75,372	75,372
09-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.21 CFD 210	210
09-Mar-18	BlackRock Financial Management, Inc.	on mkt buy	13.25 ORD 20,549	20,549
09-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.22 ORD 3,474	3,474
09-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	13.25 ORD -786	-786
09-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 1,544	1,544
12-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.79 CFD 344	344
12-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.79 ORD -2,346	-2,346
12-Mar-18	BlackRock Asset Management Canada Limited	on mkt buy	13.65 ORD 1,147	1,147
13-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.95 ORD 8,650	8,650

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
13-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.95 ORD 3,767	3,767
13-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.95 ORD 52,957	52,957
13-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.95 ORD 9,659	9,659
13-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.95 ORD 3,423	3,423
13-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.92 CFD 341	341
13-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.94 CFD 17,892	17,892
13-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.94 ORD 17,575	17,575
13-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	14.03 ORD 4,654	4,654
13-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	14.03 ORD -3,194	-3,194
13-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 17,130	17,130
14-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.85 ORD 8,297	8,297
14-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.85 ORD 3,613	3,613
14-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.85 ORD 50,776	50,776
14-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.85 ORD 9,260	9,260
14-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.85 ORD 3,285	3,285
14-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.89 CFD 375	375
14-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.88 ORD 30,606	30,606
14-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.88 ORD 2,941	2,941
14-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.88 ORD 39,543	39,543
14-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.88 ORD 370	370
14-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.88 ORD 13,913	13,913
14-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 5,710	5,710
15-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.81 ORD 6,124	6,124
15-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.81 ORD 2,667	2,667
15-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.81 ORD 37,480	37,480
15-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.81 ORD 6,835	6,835
15-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.81 ORD 2,425	2,425
15-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.78 ORD -1,256	-1,256
15-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.87 CFD 138	138
15-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.87 CFD 298	298
15-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.87 CFD 27,372	27,372
15-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 6,852	6,852

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
15-Mar-18	BlackRock Fund Advisors	in specie	n/a	ORD 8,565 8,565
15-Mar-18	BlackRock Fund Advisors	in specie	n/a	ORD 33,490 33,490
16-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.8	CFD 293 293
16-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.85	ORD -668 -668
16-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.85	ORD -3,495 -3,495
16-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.75	ORD 107,473 107,473
16-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.75	ORD 17,562 17,562
16-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.75	ORD 7,647 7,647
16-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.75	ORD 19,601 19,601
16-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.75	ORD 6,955 6,955
16-Mar-18	BlackRock Financial Management, Inc.	on mkt buy	13.79	ORD 208,898 208,898
16-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.76	ORD -1,056 -1,056
16-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.76	ORD -5,526 -5,526
16-Mar-18	BlackRock (Singapore) Limited	on mkt buy	13.62	ORD 2,560 2,560
16-Mar-18	BlackRock (Singapore) Limited	on mkt buy	13.62	ORD 7,688 7,688
16-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.62	ORD 11,108 11,108
16-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.62	ORD 3,702 3,702
16-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.62	ORD 27,257 27,257
16-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.62	ORD 81,751 81,751
16-Mar-18	BlackRock Asset Management Canada Limited	on mkt buy	13.62	ORD 1,287 1,287
16-Mar-18	BlackRock Asset Management Canada Limited	on mkt buy	13.62	ORD 3,868 3,868
16-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.62	ORD 4,818 4,818
16-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.62	ORD 14,447 14,447
16-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.66	ORD 8,280 8,280
16-Mar-18	BlackRock Investment Management, LLC	on mkt buy	13.66	ORD 2,607 2,607
19-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.67	ORD -2,094 -2,094
19-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.67	ORD -17,690 -17,690
19-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.67	CFD 2,392 2,392
20-Mar-18	BlackRock Fund Advisors	on mkt buy	13.65	ORD 4,124 4,124
20-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.57	CFD 1,162 1,162
20-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.57	CFD 570 570
20-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.57	CFD 60,685 60,685

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
20-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.57 CFD 150	150
20-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.51 ORD 1,744	1,744
21-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.91 ORD -8,566	-8,566
21-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	14 ORD 4,474	4,474
21-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	14 ORD 14,220	14,220
21-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	14 ORD 1,633	1,633
21-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	14 ORD 15,124	15,124
21-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	14 ORD 76,661	76,661
21-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	14 ORD 1,585	1,585
21-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	14 ORD 12,490	12,490
22-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.95 ORD -7,684	-7,684
22-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.95 ORD -24,426	-24,426
22-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.97 CFD 52,277	52,277
22-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.97 CFD 726	726
22-Mar-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.97 CFD 226	226
22-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt sell	13.95 ORD -2,121	-2,121
22-Mar-18	BlackRock Asset Management Canada Limited	on mkt buy	14.1 ORD 18,512	18,512
22-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD -30,492	-30,492
23-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.55 CFD 1,194	1,194
23-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.55 ORD -14,913	-14,913
23-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.55 ORD 1,558	1,558
23-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.55 ORD 1,850	1,850
23-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.55 ORD 1,895	1,895
23-Mar-18	BlackRock Investment Management (UK) Limited	on mkt sell	13.73 ORD -13,806	-13,806
26-Mar-18	BlackRock Fund Advisors	on mkt buy	13.5 ORD 2,407	2,407
26-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.17 ORD -7,077	-7,077
27-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.73 ORD -4,231	-4,231
27-Mar-18	BlackRock Advisors (UK) Limited	on mkt buy	13.73 ORD 1,594	1,594
27-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.8 CFD 767	767
27-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.8 CFD 12,109	12,109
27-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.79 ORD 12,782	12,782
27-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD -30,141	-30,141

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
28-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.98 CFD 406	406
28-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.92 ORD -2,218	-2,218
28-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.89 ORD 5,812	5,812
28-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.89 ORD 12,895	12,895
28-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.89 ORD 2,358	2,358
28-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.89 ORD 18,126	18,126
28-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.89 ORD 17,639	17,639
28-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.89 ORD 1,984	1,984
28-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.89 ORD 10,304	10,304
29-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.32 CFD 281	281
29-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.29 ORD 58,370	58,370
29-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.26 CFD 53,010	53,010
29-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 45,634	45,634
29-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 10,006	10,006
29-Mar-18	BlackRock (Netherlands) B.V.	on mkt buy	12.4 ORD 2,160	2,160
29-Mar-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.18 ORD -5,392	-5,392
29-Mar-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.18 ORD 6,721	6,721
29-Mar-18	BlackRock Fund Advisors	in specie	n/a ORD 3,840	3,840
03-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.3 ORD 31,966	31,966
03-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.27 ORD 4,451	4,451
03-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.27 ORD 4,015	4,015
04-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.79 ORD 5,400	5,400
04-Apr-18	BlackRock Financial Management, Inc.	on mkt buy	12.78 ORD 5,091	5,091
04-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.79 ORD 729	729
04-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.79 ORD 9,356	9,356
04-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.79 ORD 406	406
04-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.79 ORD 4,474	4,474
04-Apr-18	BlackRock Investment Management (Australia) Limited	in specie	n/a ORD 464,629	464,629
04-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.86 ORD -87,150	-87,150
04-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.92 ORD -3,853	-3,853
04-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD -30,532	-30,532
05-Apr-18	BlackRock Fund Advisors	on mkt buy	13.3 ORD 2,906	2,906

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
05-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.97 ORD -4,828	-4,828
05-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.97 ORD -12,283	-12,283
05-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.9 CFD 233	233
05-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.89 CFD -21,307	-21,307
05-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 5,700	5,700
05-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 16,745	16,745
06-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.8 ORD 5,221	5,221
09-Apr-18	BlackRock Fund Advisors	on mkt buy	12.64 ORD 2,553	2,553
09-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.73 ORD -4,688	-4,688
09-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.97 ORD -22,078	-22,078
10-Apr-18	BlackRock Fund Advisors	on mkt buy	12.89 ORD 7,539	7,539
10-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.94 ORD -3,734	-3,734
10-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.97 ORD 1,535	1,535
10-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13 CFD 27,840	27,840
10-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.04 ORD 4,266	4,266
10-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 5,700	5,700
10-Apr-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD 12,146	12,146
10-Apr-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD 6,496	6,496
10-Apr-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD 8,965	8,965
11-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.96 ORD -5,791	-5,791
11-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.97 ORD 1,210	1,210
11-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.97 ORD 3,664	3,664
11-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.97 ORD 32,741	32,741
11-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.97 ORD 11,374	11,374
12-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.55 CFD -2,010	-2,010
12-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.56 CFD 419	419
12-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 92,268	92,268
13-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.42 ORD -2,463	-2,463
13-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.42 ORD -4,881	-4,881
13-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.26 ORD 14,283	14,283
16-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.33 ORD -3,171	-3,171
16-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.47 ORD 6,825	6,825

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
16-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.36 ORD 3,369	3,369
16-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 30,756	30,756
17-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.22 CFD -70,050	-70,050
17-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 13,396	13,396
18-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.3 ORD -7,113	-7,113
18-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.3 ORD -8,105	-8,105
18-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.3 ORD -19,145	-19,145
18-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.3 ORD -2,716	-2,716
18-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.31 ORD -10,554	-10,554
18-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.31 ORD -4,597	-4,597
18-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.31 ORD -4,602	-4,602
19-Apr-18	BlackRock Fund Advisors	on mkt buy	12.46 ORD 3,475	3,475
19-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.68 ORD -11,636	-11,636
19-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.66 ORD -4,270	-4,270
19-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.69 CFD -48,511	-48,511
19-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.69 CFD -505	-505
19-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD -92,436	-92,436
20-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.71 ORD -6,770	-6,770
20-Apr-18	BlackRock Fund Advisors	on mkt sell	12.76 ORD -18,342	-18,342
20-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.71 ORD 3,403	3,403
20-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 13,396	13,396
23-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.44 ORD -2,693	-2,693
23-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 4,775	4,775
23-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 11,360	11,360
23-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 21,584	21,584
23-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD -30,502	-30,502
24-Apr-18	BlackRock Investment Management (UK) Limited	on mkt sell	12.03 CFD -157	-157
24-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.03 CFD -1,117	-1,117
24-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.03 ORD -14,829	-14,829
24-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 355	355
24-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 1,065	1,065
24-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 22,720	22,720

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
25-Apr-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD -5,465 -5,465
26-Apr-18	BlackRock Fund Advisors	in specie	n/a	ORD 23,443 23,443
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.96	ORD -7,911 -7,911
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.96	ORD -6,343 -6,343
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.93	ORD 1,954 1,954
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04	ORD 112 112
26-Apr-18	BlackRock Advisors, LLC	on mkt buy	12.04	ORD 878 878
26-Apr-18	BlackRock Advisors, LLC	on mkt buy	12.04	ORD 234 234
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04	ORD 172 172
26-Apr-18	BlackRock Financial Management, Inc.	on mkt buy	12.04	ORD 657 657
26-Apr-18	BlackRock Financial Management, Inc.	on mkt buy	12.04	ORD 152 152
26-Apr-18	BlackRock Investment Management, LLC	on mkt buy	12.04	ORD 116 116
26-Apr-18	BlackRock Investment Management, LLC	on mkt buy	12.04	ORD 15 15
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04	ORD 39 39
26-Apr-18	BlackRock Japan Co., Ltd.	on mkt buy	12.05	ORD 10,864 10,864
26-Apr-18	BlackRock Financial Management, Inc.	on mkt buy	12.05	ORD 3,394 3,394
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.05	ORD 10,944 10,944
26-Apr-18	BlackRock International Limited	on mkt buy	12.05	ORD 17,936 17,936
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04	ORD 2,318 2,318
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04	ORD 956 956
26-Apr-18	BlackRock Investment Management, LLC	on mkt buy	12.04	ORD 2,060 2,060
26-Apr-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.04	ORD 368 368
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04	ORD 320 320
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04	ORD 1,548 1,548
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04	ORD 183 183
26-Apr-18	BlackRock Advisors (UK) Limited	on mkt buy	12.04	ORD 3,760 3,760
26-Apr-18	BlackRock Japan Co., Ltd.	on mkt buy	12.04	ORD 2,930 2,930
26-Apr-18	BlackRock Japan Co., Ltd.	on mkt buy	12.04	ORD 1,400 1,400
26-Apr-18	BlackRock Japan Co., Ltd.	on mkt buy	12.04	ORD 1,633 1,633
26-Apr-18	BlackRock Japan Co., Ltd.	on mkt buy	12.04	ORD 1,875 1,875
26-Apr-18	BlackRock Japan Co., Ltd.	on mkt buy	12.04	ORD 1,317 1,317
26-Apr-18	BlackRock Advisors, LLC	on mkt buy	12.04	ORD 7,500 7,500

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26-Apr-18	BlackRock Advisors, LLC	on mkt buy	12.04 ORD 2,001	2,001
26-Apr-18	BlackRock Financial Management, Inc.	on mkt buy	12.04 ORD 582	582
26-Apr-18	BlackRock Asset Management Canada Limited	on mkt buy	12.04 ORD 1,399	1,399
26-Apr-18	BlackRock Financial Management, Inc.	on mkt buy	12.04 ORD 14,500	14,500
26-Apr-18	BlackRock Financial Management, Inc.	on mkt buy	12.04 ORD 4,817	4,817
26-Apr-18	BlackRock Investment Management, LLC	on mkt buy	12.04 ORD 868	868
26-Apr-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.04 ORD 641	641
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04 ORD 20,155	20,155
26-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.04 ORD 6,327	6,327
26-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.04 ORD 4,705	4,705
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04 ORD 1,471	1,471
26-Apr-18	BlackRock Financial Management, Inc.	on mkt buy	12.04 ORD 5,617	5,617
26-Apr-18	BlackRock Investment Management, LLC	on mkt buy	12.04 ORD 1,187	1,187
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04 ORD 158	158
26-Apr-18	BlackRock Advisors, LLC	on mkt buy	12.04 ORD 1,834	1,834
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04 ORD 23,059	23,059
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04 ORD 5,360	5,360
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04 ORD 12,783	12,783
26-Apr-18	BlackRock Advisors (UK) Limited	on mkt buy	12.04 ORD 4,275	4,275
26-Apr-18	BlackRock Advisors (UK) Limited	on mkt buy	12.04 ORD 3,342	3,342
26-Apr-18	BlackRock Advisors (UK) Limited	on mkt buy	12.04 ORD 3,239	3,239
26-Apr-18	BlackRock Financial Management, Inc.	on mkt buy	12.04 ORD 1,297	1,297
26-Apr-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.04 ORD 854	854
26-Apr-18	BlackRock Investment Management, LLC	on mkt buy	12.04 ORD 994	994
26-Apr-18	BlackRock Asset Management Canada Limited	on mkt buy	12.04 ORD 4,524	4,524
26-Apr-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.04 ORD 1,528	1,528
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04 ORD 334	334
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04 ORD 17,493	17,493
26-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.04 ORD 16,191	16,191
26-Apr-18	BlackRock Investment Management, LLC	on mkt buy	12.04 ORD 126	126
26-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD 1,146	1,146
26-Apr-18	BlackRock Fund Advisors	in specie	n/a ORD -91,506	-91,506

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected	Person's votes affected
27-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.99	ORD 9,695	9,695
27-Apr-18	BlackRock Investment Management (UK) Limited	on mkt buy	11.99	ORD 4,086	4,086
27-Apr-18	BlackRock Investment Management (UK) Limited	on mkt buy	11.99	ORD 57,077	57,077
27-Apr-18	BlackRock Investment Management (UK) Limited	on mkt buy	11.99	ORD 9,677	9,677
27-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.99	ORD 3,811	3,811
27-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.02	ORD 5,216	5,216
27-Apr-18	BlackRock Asset Management Canada Limited	on mkt buy	11.99	ORD 245	245
27-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.02	ORD -822	-822
27-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.02	ORD -2,439	-2,439
27-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.97	ORD -1,073	-1,073
27-Apr-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.97	ORD -6,993	-6,993
30-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.98	ORD 8,774	8,774
30-Apr-18	BlackRock Investment Management (UK) Limited	on mkt buy	11.98	ORD 3,698	3,698
30-Apr-18	BlackRock Investment Management (UK) Limited	on mkt buy	11.98	ORD 51,653	51,653
30-Apr-18	BlackRock Investment Management (UK) Limited	on mkt buy	11.98	ORD 8,758	8,758
30-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.98	ORD 3,449	3,449
30-Apr-18	BlackRock Asset Management Canada Limited	on mkt buy	11.98	ORD 221	221
30-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.97	ORD 160	160
30-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.97	ORD 16,718	16,718
30-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.98	ORD -3,624	-3,624
30-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.98	ORD -3,377	-3,377
30-Apr-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.12	ORD 56,506	56,506
30-Apr-18	BlackRock Fund Advisors	in specie	n/a	ORD -1,065	-1,065
30-Apr-18	BlackRock Fund Advisors	in specie	n/a	ORD 91,506	91,506
01-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.17	ORD 5,631	5,631
01-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.17	ORD 2,373	2,373
01-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.17	ORD 33,151	33,151
01-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.17	ORD 5,621	5,621
01-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.17	ORD 2,214	2,214
01-May-18	BlackRock Asset Management Canada Limited	on mkt buy	12.17	ORD 142	142
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.3	ORD 1,722	1,722
02-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.3	ORD 726	726

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
02-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.3 ORD 10,134	10,134
02-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.3 ORD 1,718	1,718
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.3 ORD 677	677
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.4 ORD -1,669	-1,669
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.4 ORD -3,201	-3,201
02-May-18	BlackRock Asset Management Canada Limited	on mkt buy	12.3 ORD 44	44
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 600	600
02-May-18	BlackRock Investment Management, LLC	on mkt buy	12.4 ORD 1,296	1,296
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 977	977
02-May-18	BlackRock Advisors (UK) Limited	on mkt buy	12.4 ORD 2,359	2,359
02-May-18	BlackRock Advisors, LLC	on mkt buy	12.4 ORD 4,707	4,707
02-May-18	BlackRock Advisors, LLC	on mkt buy	12.4 ORD 1,246	1,246
02-May-18	BlackRock Financial Management, Inc.	on mkt buy	12.4 ORD 367	367
02-May-18	BlackRock Asset Management Canada Limited	on mkt buy	12.4 ORD 877	877
02-May-18	BlackRock Financial Management, Inc.	on mkt buy	12.4 ORD 9,042	9,042
02-May-18	BlackRock Financial Management, Inc.	on mkt buy	12.4 ORD 3,025	3,025
02-May-18	BlackRock Investment Management, LLC	on mkt buy	12.4 ORD 545	545
02-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.4 ORD 403	403
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 12,620	12,620
02-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.4 ORD 3,963	3,963
02-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.4 ORD 2,913	2,913
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 927	927
02-May-18	BlackRock Financial Management, Inc.	on mkt buy	12.4 ORD 3,531	3,531
02-May-18	BlackRock Investment Management, LLC	on mkt buy	12.42 ORD 585	585
02-May-18	BlackRock Advisors, LLC	on mkt buy	12.4 ORD 1,143	1,143
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 14,278	14,278
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 3,494	3,494
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 8,059	8,059
02-May-18	BlackRock Advisors (UK) Limited	on mkt buy	12.4 ORD 2,683	2,683
02-May-18	BlackRock Advisors (UK) Limited	on mkt buy	12.4 ORD 2,096	2,096
02-May-18	BlackRock Advisors (UK) Limited	on mkt buy	12.4 ORD 2,121	2,121
02-May-18	BlackRock Financial Management, Inc.	on mkt buy	12.4 ORD 818	818

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
02-May-18	BlackRock Investment Management, LLC	on mkt buy	12.4 ORD 630	630
02-May-18	BlackRock Asset Management Canada Limited	on mkt buy	12.4 ORD 2,846	2,846
02-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.42 ORD 760	760
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 10,880	10,880
02-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.4 ORD 10,203	10,203
02-May-18	BlackRock Investment Management, LLC	on mkt buy	12.4 ORD 82	82
02-May-18	BlackRock Fund Advisors	in specie	n/a ORD 1,330	1,330
03-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.57 ORD -8,676	-8,676
03-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.57 ORD -6,184	-6,184
03-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.61 CFD -604	-604
03-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.6 CFD -2,148	-2,148
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.93 ORD -9,118	-9,118
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.93 ORD -5,975	-5,975
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 60	60
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 99	99
04-May-18	BlackRock Advisors (UK) Limited	on mkt buy	13.03 ORD 234	234
04-May-18	BlackRock Advisors, LLC	on mkt buy	13.03 ORD 470	470
04-May-18	BlackRock Advisors, LLC	on mkt buy	13.03 ORD 123	123
04-May-18	BlackRock Asset Management Canada Limited	on mkt buy	13.03 ORD 87	87
04-May-18	BlackRock Financial Management, Inc.	on mkt buy	13.03 ORD 895	895
04-May-18	BlackRock Financial Management, Inc.	on mkt buy	13.03 ORD 299	299
04-May-18	BlackRock Investment Management, LLC	on mkt buy	13.03 ORD 55	55
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 1,249	1,249
04-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.03 ORD 387	387
04-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.03 ORD 276	276
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 92	92
04-May-18	BlackRock Financial Management, Inc.	on mkt buy	13.03 ORD 349	349
04-May-18	BlackRock Advisors, LLC	on mkt buy	13.03 ORD 115	115
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 1,433	1,433
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 351	351
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 794	794
04-May-18	BlackRock Advisors (UK) Limited	on mkt buy	13.03 ORD 265	265

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
04-May-18	BlackRock Advisors (UK) Limited	on mkt buy	13.03 ORD 208	208
04-May-18	BlackRock Financial Management, Inc.	on mkt buy	13.03 ORD 83	83
04-May-18	BlackRock Investment Management, LLC	on mkt buy	13.03 ORD 63	63
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 1,094	1,094
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 1,040	1,040
04-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.03 ORD 41	41
04-May-18	BlackRock Financial Management, Inc.	on mkt buy	13.03 ORD 38	38
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 1,455	1,455
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 2,411	2,411
04-May-18	BlackRock Advisors (UK) Limited	on mkt buy	13.03 ORD 5,721	5,721
04-May-18	BlackRock Advisors, LLC	on mkt buy	13.03 ORD 11,530	11,530
04-May-18	BlackRock Advisors, LLC	on mkt buy	13.03 ORD 2,992	2,992
04-May-18	BlackRock Financial Management, Inc.	on mkt buy	13.03 ORD 909	909
04-May-18	BlackRock Asset Management Canada Limited	on mkt buy	13.03 ORD 2,127	2,127
04-May-18	BlackRock Financial Management, Inc.	on mkt buy	13.03 ORD 21,944	21,944
04-May-18	BlackRock Financial Management, Inc.	on mkt buy	13.03 ORD 7,331	7,331
04-May-18	BlackRock Investment Management, LLC	on mkt buy	13.03 ORD 1,328	1,328
04-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	13.03 ORD 1,004	1,004
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 30,632	30,632
04-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.03 ORD 9,494	9,494
04-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.03 ORD 6,786	6,786
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 2,236	2,236
04-May-18	BlackRock Financial Management, Inc.	on mkt buy	13.03 ORD 8,570	8,570
04-May-18	BlackRock Advisors, LLC	on mkt buy	13.03 ORD 2,802	2,802
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 35,139	35,139
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 8,618	8,618
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 19,476	19,476
04-May-18	BlackRock Advisors (UK) Limited	on mkt buy	13.03 ORD 6,504	6,504
04-May-18	BlackRock Advisors (UK) Limited	on mkt buy	13.03 ORD 5,083	5,083
04-May-18	BlackRock Financial Management, Inc.	on mkt buy	13.03 ORD 2,025	2,025
04-May-18	BlackRock Investment Management, LLC	on mkt buy	13.03 ORD 1,542	1,542
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 26,833	26,833

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
04-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.03 ORD 25,508	25,508
07-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.14 ORD -7,572	-7,572
07-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.14 ORD -10,774	-10,774
08-May-18	BlackRock Investment Management, LLC	on mkt buy	12.8 ORD 3,396	3,396
08-May-18	BlackRock Japan Co., Ltd.	on mkt buy	12.8 ORD 6,598	6,598
08-May-18	BlackRock Japan Co., Ltd.	on mkt buy	12.8 ORD 3,217	3,217
08-May-18	BlackRock Japan Co., Ltd.	on mkt buy	12.8 ORD 3,754	3,754
08-May-18	BlackRock Japan Co., Ltd.	on mkt buy	12.8 ORD 4,257	4,257
08-May-18	BlackRock Japan Co., Ltd.	on mkt buy	12.8 ORD 2,971	2,971
08-May-18	BlackRock Advisors, LLC	on mkt buy	12.8 ORD 483	483
08-May-18	BlackRock Advisors, LLC	on mkt buy	12.8 ORD 98	98
08-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.8 ORD 1,373	1,373
08-May-18	BlackRock Advisors (UK) Limited	on mkt buy	12.8 ORD 5,733	5,733
08-May-18	BlackRock Investment Management, LLC	on mkt buy	12.8 ORD 60	60
08-May-18	BlackRock Asset Management Canada Limited	on mkt buy	12.8 ORD 7,651	7,651
08-May-18	BlackRock Investment Management, LLC	on mkt buy	12.8 ORD 214	214
08-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.77 ORD -9,248	-9,248
08-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.77 ORD -9,488	-9,488
08-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.73 ORD 36,822	36,822
08-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.6 ORD 22,836	22,836
09-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.81 ORD -5,035	-5,035
09-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.81 ORD -9,197	-9,197
09-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.83 ORD 787	787
09-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.83 ORD 560	560
09-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.83 ORD 5,100	5,100
09-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.83 ORD 8,153	8,153
09-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.89 ORD 296	296
09-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.89 ORD 725	725
10-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.01 ORD -4,364	-4,364
10-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.01 ORD -8,512	-8,512
10-May-18	BlackRock Fund Advisors	in specie	n/a ORD 13,396	13,396
11-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.94 ORD -3,461	-3,461

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
11-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.94 ORD -5,683	-5,683
11-May-18	BlackRock Fund Advisors	in specie	n/a ORD 6,237	6,237
11-May-18	BlackRock Fund Advisors	in specie	n/a ORD 20,094	20,094
14-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.28 ORD -5,729	-5,729
14-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.28 ORD -3,276	-3,276
14-May-18	BlackRock Fund Advisors	in specie	n/a ORD 2,835	2,835
15-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.24 ORD -3,117	-3,117
15-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.24 ORD -5,264	-5,264
15-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	13.26 ORD 14,765	14,765
15-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	13.22 ORD 420	420
15-May-18	BlackRock Asset Management Canada Limited	on mkt sell	13.22 ORD -617	-617
15-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.22 ORD -24,662	-24,662
15-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	13.22 ORD -10,494	-10,494
15-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	13.22 ORD -146,757	-146,757
15-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	13.22 ORD -22,809	-22,809
15-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	13.22 ORD -9,731	-9,731
15-May-18	BlackRock Investment Management, LLC	on mkt buy	13.2 ORD 3,882	3,882
16-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.36 ORD 1,257	1,257
16-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.36 ORD 14,531	14,531
16-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.36 ORD 4,041	4,041
16-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.36 ORD 5,826	5,826
16-May-18	BlackRock Asset Management Canada Limited	on mkt sell	11.3 ORD -1,396	-1,396
16-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.3 ORD -55,751	-55,751
16-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.3 ORD -23,689	-23,689
16-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.3 ORD -331,341	-331,341
16-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.3 ORD -51,477	-51,477
16-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.3 ORD -22,003	-22,003
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.8 ORD -1,047	-1,047
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.8 ORD -1,320	-1,320
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.79 ORD 1,359	1,359
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.79 ORD 2,240	2,240
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.79 ORD 1,861	1,861

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected	Person's votes affected
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.79	ORD 1,038	1,038
17-May-18	BlackRock Advisors (UK) Limited	on mkt buy	11.79	ORD 2,522	2,522
17-May-18	BlackRock Advisors, LLC	on mkt buy	11.79	ORD 4,743	4,743
17-May-18	BlackRock Advisors, LLC	on mkt buy	11.79	ORD 1,162	1,162
17-May-18	BlackRock Financial Management, Inc.	on mkt buy	11.79	ORD 9,394	9,394
17-May-18	BlackRock Financial Management, Inc.	on mkt buy	11.79	ORD 3,124	3,124
17-May-18	BlackRock International Limited	on mkt buy	11.79	ORD 3,103	3,103
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.79	ORD 13,408	13,408
17-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.79	ORD 3,989	3,989
17-May-18	BlackRock Financial Management, Inc.	on mkt buy	11.79	ORD 3,881	3,881
17-May-18	BlackRock Advisors, LLC	on mkt buy	11.79	ORD 1,196	1,196
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.79	ORD 13,858	13,858
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.79	ORD 3,629	3,629
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.79	ORD 8,400	8,400
17-May-18	BlackRock Advisors (UK) Limited	on mkt buy	11.79	ORD 2,877	2,877
17-May-18	BlackRock Advisors (UK) Limited	on mkt buy	11.79	ORD 2,247	2,247
17-May-18	BlackRock Investment Management, LLC	on mkt buy	11.79	ORD 626	626
17-May-18	BlackRock Asset Management Canada Limited	on mkt buy	11.79	ORD 3,023	3,023
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.79	ORD 11,705	11,705
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.79	ORD 10,349	10,349
17-May-18	BlackRock Japan Co., Ltd.	on mkt buy	11.74	ORD 197,352	197,352
17-May-18	BlackRock Asset Management Canada Limited	on mkt sell	11.77	ORD -812	-812
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.77	ORD -32,442	-32,442
17-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.77	ORD -13,784	-13,784
17-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.77	ORD -192,807	-192,807
17-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.77	ORD -29,954	-29,954
17-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.77	ORD -12,804	-12,804
17-May-18	BlackRock Fund Advisors	in specie	n/a	ORD 13,396	13,396
18-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.31	ORD -3,863	-3,863
18-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.31	ORD -2,234	-2,234
18-May-18	BlackRock Japan Co., Ltd.	on mkt buy	11.35	ORD 50,000	50,000
18-May-18	BlackRock Asset Management Canada Limited	on mkt sell	11.54	ORD -219	-219

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
18-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.54 ORD -8,737	-8,737
18-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.54 ORD -3,713	-3,713
18-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.54 ORD -51,926	-51,926
18-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.54 ORD -8,067	-8,067
18-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.54 ORD -3,448	-3,448
18-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.3 ORD -16,785	-16,785
18-May-18	BlackRock Fund Advisors	in specie	n/a ORD 4,536	4,536
21-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.03 ORD -4,302	-4,302
21-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.03 ORD -4,740	-4,740
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.92 ORD -4,299	-4,299
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.92 ORD -6,863	-6,863
22-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.91 ORD -6,294	-6,294
22-May-18	BlackRock Advisors, LLC	on mkt sell	10.85 ORD -3,745	-3,745
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 ORD -11,011	-11,011
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 ORD -2,649	-2,649
22-May-18	BlackRock Asset Management Canada Limited	on mkt sell	10.85 ORD -2,165	-2,165
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 ORD -8,440	-8,440
22-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.85 ORD 215	215
22-May-18	BlackRock Investment Management, LLC	on mkt buy	10.85 ORD 14	14
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.84 CFD -32,796	-32,796
23-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.51 ORD -4,676	-4,676
23-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.51 ORD -60,242	-60,242
23-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.51 ORD -3,705	-3,705
23-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.41 ORD -4,705	-4,705
23-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.41 ORD -5,399	-5,399
23-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.41 ORD -6,908	-6,908
23-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.41 ORD -26,400	-26,400
23-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.41 ORD -25,969	-25,969
23-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.41 ORD -2,923	-2,923
23-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.41 ORD -4,987	-4,987
23-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.41 ORD -7,150	-7,150
23-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.35 ORD -8,953	-8,953

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
23-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.35 ORD -115,352	-115,352
23-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.35 ORD -7,095	-7,095
24-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.62 ORD -4,256	-4,256
24-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.62 ORD -54,844	-54,844
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.62 ORD -3,372	-3,372
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.69 ORD -5,887	-5,887
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.69 ORD -7,678	-7,678
24-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.69 ORD -52,343	-52,343
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.73 ORD 243	243
24-May-18	BlackRock Advisors, LLC	on mkt buy	10.73 ORD 378	378
24-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.73 ORD 350	350
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.73 ORD 362	362
24-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.73 ORD 334	334
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.75 CFD -475	-475
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.75 CFD -50,476	-50,476
24-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.72 ORD -9,404	-9,404
24-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.72 ORD -121,146	-121,146
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.72 ORD -7,450	-7,450
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.98 ORD -3,799	-3,799
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.97 ORD -23,031	-23,031
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.97 ORD -7,558	-7,558
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.97 ORD -7,478	-7,478
25-May-18	BlackRock Japan Co., Ltd.	on mkt sell	10.66 ORD -1,512	-1,512
25-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.94 ORD -6,708	-6,708
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.91 ORD -5,421	-5,421
25-May-18	BlackRock Fund Advisors	in specie	n/a ORD 13,396	13,396
28-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.74 ORD -47,502	-47,502
28-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.75 ORD -4,999	-4,999
28-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.75 ORD -19,655	-19,655
28-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.75 CFD -8,701	-8,701
29-May-18	BlackRock Fund Advisors	on mkt buy	10.54 ORD 77,027	77,027
30-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.54 ORD -2,996	-2,996

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
30-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.54 ORD -12,029	-12,029
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.62 ORD -16,504	-16,504
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.75 ORD -23,200	-23,200
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.62 ORD -39,865	-39,865
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.62 ORD -10,492	-10,492
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.62 ORD -51,619	-51,619
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.62 ORD -4,379	-4,379
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.62 ORD -13,499	-13,499
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.62 ORD -23,917	-23,917
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.92 ORD -5,279	-5,279
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.92 ORD -20,531	-20,531
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.91 ORD -7,481	-7,481
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.86 CFD -57,790	-57,790
31-May-18	BlackRock Japan Co., Ltd.	on mkt sell	10.89 ORD -2,012	-2,012
31-May-18	BlackRock Japan Co., Ltd.	on mkt sell	10.89 ORD -1,333	-1,333
31-May-18	BlackRock Advisors, LLC	on mkt sell	10.89 ORD -10,270	-10,270
31-May-18	BlackRock Advisors, LLC	on mkt sell	10.89 ORD -2,607	-2,607
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.89 ORD -24,509	-24,509
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.89 ORD -5,560	-5,560
31-May-18	BlackRock Asset Management Canada Limited	on mkt sell	10.89 ORD -5,166	-5,166
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 15,991	15,991
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 1,578,313	1,578,313
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 310,631	310,631
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 436,759	436,759
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 8,831	8,831
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 32,434	32,434
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 91,891	91,891
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 25,026	25,026
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 2,850	2,850
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 10,472	10,472
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 57,145	57,145
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 209,830	209,830

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 31,100	31,100
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 114,193	114,193
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87 ORD 6,777	6,777
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87 ORD 24,893	24,893
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 49,828	49,828
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 182,964	182,964
31-May-18	BlackRock Advisors (UK) Limited	on mkt sell	10.87 ORD -2,437	-2,437
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 2,208	2,208
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 8,118	8,118
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 117,971	117,971
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 32,130	32,130
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.87 ORD 1,680	1,680
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.87 ORD 454	454
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.87 ORD 317,533	317,533
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.87 ORD 86,475	86,475
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.87 ORD 42,290	42,290
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.87 ORD 11,513	11,513
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.87 ORD 2,292	2,292
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.87 ORD 8,423	8,423
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.87 ORD 168	168
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy	10.87 ORD 626	626
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 3,107	3,107
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 11,425	11,425
31-May-18	BlackRock Advisors (UK) Limited	on mkt sell	10.87 ORD -76,334	-76,334
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 143,947	143,947
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 39,204	39,204
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 60,562	60,562
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 222,381	222,381
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 6,169	6,169
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 1,679	1,679
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 11,462	11,462
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy	10.87 ORD 42,095	42,095

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 4,870	4,870
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 1,323	1,323
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 11,581	11,581
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 42,533	42,533
31-May-18	BlackRock (Netherlands) B.V.	on mkt buy	10.87 ORD 3,994	3,994
31-May-18	BlackRock (Netherlands) B.V.	on mkt buy	10.87 ORD 14,668	14,668
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 127,875	127,875
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 34,826	34,826
31-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.87 ORD 58,962	58,962
31-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.87 ORD 216,510	216,510
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 275,546	275,546
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 1,011,777	1,011,777
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 6,629	6,629
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 24,350	24,350
31-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.87 ORD 784	784
31-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.87 ORD 2,882	2,882
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 78,725	78,725
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 289,077	289,077
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.87 ORD -2,293,622	-2,293,622
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.87 ORD -193,082	-193,082
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 32,552	32,552
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 119,530	119,530
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 4,146	4,146
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 15,234	15,234
31-May-18	BlackRock International Limited	on mkt buy	10.87 ORD 55,296	55,296
31-May-18	BlackRock International Limited	on mkt buy	10.87 ORD 203,041	203,041
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 7,027	7,027
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 25,819	25,819
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 19,197	19,197
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 70,509	70,509
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 10,845	10,845
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 39,837	39,837

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 85,651	85,651
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 23,325	23,325
31-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.87 ORD 3,848	3,848
31-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.87 ORD 1,046	1,046
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 5,434	5,434
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 19,969	19,969
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 16,412	16,412
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 60,272	60,272
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 1,231	1,231
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 4,526	4,526
31-May-18	BlackRock (Netherlands) B.V.	on mkt buy	10.87 ORD 7,604	7,604
31-May-18	BlackRock (Netherlands) B.V.	on mkt buy	10.87 ORD 27,933	27,933
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 1,345	1,345
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 4,944	4,944
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 16,906	16,906
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 62,093	62,093
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 10,932	10,932
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 40,158	40,158
31-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.87 ORD -54,680	-54,680
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 46,804	46,804
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 171,856	171,856
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 40,512	40,512
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 148,760	148,760
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87 ORD 4,642	4,642
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87 ORD 17,057	17,057
31-May-18	BlackRock Financial Management, Inc.	on mkt buy	10.87 ORD 18,005	18,005
31-May-18	BlackRock Financial Management, Inc.	on mkt buy	10.87 ORD 66,125	66,125
31-May-18	BlackRock Financial Management, Inc.	on mkt buy	10.87 ORD 1,409	1,409
31-May-18	BlackRock Financial Management, Inc.	on mkt buy	10.87 ORD 5,187	5,187
31-May-18	BlackRock Financial Management, Inc.	on mkt buy	10.87 ORD 2,210	2,210
31-May-18	BlackRock Financial Management, Inc.	on mkt buy	10.87 ORD 8,126	8,126
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87 ORD 10,331	10,331

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy 10.87	ORD 37,940	37,940
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy 10.87	ORD 4,176	4,176
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy 10.87	ORD 15,345	15,345
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 645,129	645,129
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 2,368,836	2,368,836
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 212,395	212,395
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 57,843	57,843
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 63,876	63,876
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 17,394	17,394
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 1,813	1,813
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 493	493
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 674,951	674,951
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 183,812	183,812
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 6,805	6,805
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 1,852	1,852
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 4,888	4,888
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 17,960	17,960
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 537,799	537,799
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 146,461	146,461
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 38,997	38,997
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 143,193	143,193
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 56,545	56,545
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 207,637	207,637
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 2,193	2,193
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 8,064	8,064
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 112,979	112,979
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 30,770	30,770
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 9,758	9,758
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 35,843	35,843
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 20,684	20,684
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 75,954	75,954
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy 10.87	ORD 6,932	6,932

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy 10.87	ORD 25,459	25,459
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 24,141	24,141
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 88,638	88,638
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy 10.87	ORD 64,283	64,283
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy 10.87	ORD 236,046	236,046
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 30,750	30,750
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 8,371	8,371
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 36,913	36,913
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 10,049	10,049
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 5,144	5,144
31-May-18	BlackRock Advisors (UK) Limited	on mkt buy 10.87	ORD 18,901	18,901
31-May-18	BlackRock Advisors, LLC	on mkt buy 10.87	ORD 463,747	463,747
31-May-18	BlackRock Advisors, LLC	on mkt buy 10.87	ORD 126,290	126,290
31-May-18	BlackRock Advisors, LLC	on mkt buy 10.87	ORD 13,120	13,120
31-May-18	BlackRock Advisors, LLC	on mkt buy 10.87	ORD 3,570	3,570
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy 10.87	ORD 2,476	2,476
31-May-18	BlackRock Japan Co., Ltd.	on mkt buy 10.87	ORD 9,099	9,099
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 6,190	6,190
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 1,684	1,684
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 36,880	36,880
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 135,419	135,419
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 65,035	65,035
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 17,706	17,706
31-May-18	BlackRock Financial Management, Inc.	on mkt buy 10.87	ORD 20,176	20,176
31-May-18	BlackRock Financial Management, Inc.	on mkt buy 10.87	ORD 74,094	74,094
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 24,481	24,481
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 89,892	89,892
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 149,440	149,440
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy 10.87	ORD 40,699	40,699
31-May-18	BlackRock International Limited	on mkt buy 10.87	ORD 4,940	4,940
31-May-18	BlackRock International Limited	on mkt buy 10.87	ORD 18,151	18,151
31-May-18	BlackRock Fund Advisors	on mkt buy 10.87	ORD 3,463	3,463

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
31-May-18	BlackRock Fund Advisors	on mkt buy	10.87 ORD 12,727	12,727
31-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.87 ORD 582	582
31-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.87 ORD 2,145	2,145
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 2,115	2,115
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 572	572
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 3,052	3,052
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 11,213	11,213
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 2,615	2,615
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 9,618	9,618
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 27,712	27,712
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 7,544	7,544
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 6,077	6,077
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 22,321	22,321
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 336,811	336,811
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 91,723	91,723
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 396,314	396,314
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 1,455,227	1,455,227
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 4,998	4,998
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 18,364	18,364
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87 ORD 37,376	37,376
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87 ORD 10,176	10,176
31-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.87 ORD 4,789	4,789
31-May-18	BlackRock Asset Management Canada Limited	on mkt buy	10.87 ORD 17,591	17,591
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 12,960	12,960
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 13,056	13,056
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 47,953	47,953
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 47,606	47,606
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.87 ORD -1,288	-1,288
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87 ORD 3,100	3,100
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87 ORD 11,390	11,390
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 2,770	2,770
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 1,662	1,662

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 14,517	14,517
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 43,649	43,649
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 345,359	345,359
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 8,311	8,311
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 98,672	98,672
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.87 ORD -642,770	-642,770
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 8,812	8,812
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 6,815	6,815
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 1,687	1,687
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 21,194	21,194
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 58,662	58,662
31-May-18	BlackRock Fund Advisors	on mkt buy	10.87 ORD 808,577	808,577
31-May-18	BlackRock Fund Advisors	on mkt buy	10.87 ORD 72,498	72,498
31-May-18	BlackRock Fund Advisors	on mkt sell	10.87 ORD -1,358,977	-1,358,977
31-May-18	BlackRock Fund Advisors	on mkt buy	10.87 ORD 21,803	21,803
31-May-18	BlackRock Fund Advisors	on mkt buy	10.87 ORD 619	619
31-May-18	BlackRock Fund Advisors	on mkt buy	10.87 ORD 230,385	230,385
31-May-18	BlackRock Fund Advisors	on mkt buy	10.87 ORD 2,323	2,323
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 2,112	2,112
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 46,224	46,224
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 30,683	30,683
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 51,010	51,010
31-May-18	BlackRock Investment Management, LLC	on mkt buy	10.87 ORD 3,827	3,827
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 496,725	496,725
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 6,268	6,268
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 32,616	32,616
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.87 ORD -20,400	-20,400
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.87 ORD -395,633	-395,633
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87 ORD 5,858	5,858
31-May-18	BlackRock Financial Management, Inc.	on mkt buy	10.87 ORD 5,731	5,731
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87 ORD 1,160,996	1,160,996
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 45,593	45,593

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected	
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.87	ORD 50,691	50,691
31-May-18	BlackRock Fund Advisors	on mkt buy	10.87	ORD 14,490	14,490
31-May-18	BlackRock Financial Management, Inc.	on mkt buy	10.87	ORD 19,765	19,765
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.87	ORD 44,753	44,753
31-May-18	BlackRock Fund Advisors	in specie	n/a	ORD -1,595,313	-1,595,313

Parties to the Derivative			
Investment Manager / Agent	Fund	On Behalf of	Counterparty
BlackRock Investment Management (UK) Limited	Asia Pacific Diversified Equity Absolute Return Fund		CITIGROUP GLOBAL MARKETS INC.
BlackRock Investment Management (UK) Limited	Asia Pacific Diversified Equity Absolute Return Fund		HONG KONG & SHANGHAI BANKING CORP L
BlackRock Institutional Trust Company, National Association	The 32 Capital Master Fund SPC Ltd	Global Market Neutral SP	GOLDMAN SACHS & CO. LLC
BlackRock Institutional Trust Company, National Association	The 32 Capital Master Fund SPC Ltd	Global Market Neutral SP	UBS SECURITIES LLC
BlackRock Institutional Trust Company, National Association	APAC Alpha Advantage Custom Strategy		MERRILL LYNCH INTERNATIONAL
BlackRock Institutional Trust Company, National Association	APAC Alpha Advantage Custom Strategy		MORGAN STANLEY & CO. INTERNATIONAL
BlackRock Institutional Trust Company, National Association	Multi-Strategy Master Fund Limited		UBS SECURITIES LLC
BlackRock Institutional Trust Company, National Association	Pan Asia Opportunities Master Fund Ltd. - Agg		MERRILL LYNCH INTERNATIONAL
BlackRock Institutional Trust Company, National Association	Pan Asia Opportunities Master Fund Ltd. - Agg		UBS SECURITIES LLC