



25 September 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 NZX markets on 25 September 2018.

The a2 Milk Company Limited

Jayne Hrdlicka

Managing Director & CEO

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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: 25 September 2018

Date on which substantial holding began: 21 September 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: 38,298,101 Ord
- (b) total in class: 734,797,297
- (c) total percentage held in class: 5.212%

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:
 - Notional number of underlying shares: 1,320
 - 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.

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Holder of Relevant Interests	Total Held in Class				Nature of Association	Address
	Class	CCY	Number of Securities	%		
BlackRock (Netherlands) B.V.	ORD	NZD	150,226	0.020%	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	NZD	3,274,935	0.446%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	ORD	NZD	586,320	0.080%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Asset Management Canada Limited	ORD	NZD	380,820	0.052%	subsidiary of BlackRock Inc.	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management North Asia Limited	ORD	NZD	3,031	0.000%	subsidiary of BlackRock Inc.	15/F, 16/F, 17/F Champion Tower & 17/F ICBC Tower, Three Garden Road, Central, Hong Kong
BlackRock Financial Management, Inc.	ORD	NZD	553,918	0.075%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Fund Advisors	ORD	NZD	10,484,427	1.427%	subsidiary of BlackRock Inc.	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	ORD	AUD	536	0.000%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Institutional Trust Company, National Association	ORD	NZD	10,687,767	1.455%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock International Limited	ORD	NZD	284,579	0.039%	subsidiary of BlackRock Inc.	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)
BlackRock Investment Management (Australia) Limited	ORD	AUD	6,243,525	0.850%	subsidiary of BlackRock Inc.	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)
BlackRock Investment Management (Australia) Limited	ORD	NZD	260,865	0.036%	subsidiary of BlackRock Inc.	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)
BlackRock Investment Management (UK) Limited	CFD	AUD	1,320	0.000%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management (UK) Limited	ORD	NZD	3,558,283	0.484%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	ORD	AUD	166,373	0.023%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Investment Management, LLC	ORD	NZD	738,143	0.100%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Japan Co., Ltd.	ORD	NZD	912,785	0.124%	subsidiary of BlackRock Inc.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)

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
22-May-18	BlackRock Advisors, LLC	on mkt buy	10.91 CFD 797	797
22-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.90 CFD 151	151
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.94 CFD 217	217
22-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	11.19 CFD 78	78
22-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	11.19 CFD 62	62
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.10 CFD 213	213
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.90 ORD -4,299	-4,299
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.90 ORD -6,863	-6,863
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 ORD -707	-707
22-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.89 ORD -7,700	-7,700
22-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.89 ORD -6,294	-6,294
22-May-18	BlackRock Financial Management, Inc.	on mkt sell	10.85 ORD -9,020	-9,020
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 ORD -8,535	-8,535
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	10.82 CFD -670	-670
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.82 CFD -32,796	-32,796
22-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.82 CFD -30,702	-30,702
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

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 (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 -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 buy	10.34 CFD 194	194
23-May-18	BlackRock Advisors, LLC	on mkt buy	10.46 CFD 1,072	1,072
23-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.73 CFD 329	329
23-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.73 CFD 400	400
23-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.74 CFD 53	53
23-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.74 CFD 57	57
23-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.35 ORD -8,953	-8,953
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 buy	10.62 CFD 460	460
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.62 CFD 535	535
24-May-18	BlackRock Advisors, LLC	on mkt buy	10.62 CFD 1,686	1,686
24-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.70 CFD 330	330
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.68 ORD -5,887	-5,887
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.68 ORD -7,678	-7,678
24-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.68 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 Investment Management (UK) Limited	on mkt buy	10.72 CFD 99	99
24-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.72 CFD 98	98
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.74 CFD -1,455	-1,455
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.74 CFD -475	-475

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.74 CFD -50,476	-50,476
24-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.74 CFD -778	-778
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 Investment Management (UK) Limited	on mkt sell	10.98 CFD -342	-342
25-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.98 CFD -83	-83
25-May-18	BlackRock Advisors, LLC	on mkt sell	10.98 CFD -1,529	-1,529
25-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.98 CFD -76	-76
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.99 ORD -3,799	-3,799
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.03 CFD -450	-450
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.03 CFD -552	-552
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.99 ORD -23,031	-23,031
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.99 ORD -7,558	-7,558
25-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.99 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	10.92 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	10.75 ORD -47,502	-47,502
28-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.76 ORD -4,999	-4,999
28-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.76 ORD -19,655	-19,655
28-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.75 CFD -8,701	-8,701
28-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.83 CFD -253	-253
28-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.83 CFD -333	-333
28-May-18	BlackRock Advisors, LLC	on mkt sell	10.77 CFD -628	-628
28-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.77 CFD -136	-136
28-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.77 CFD -57	-57
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	10.55 ORD -2,996	-2,996
30-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.55 ORD -12,029	-12,029
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.63 ORD -16,504	-16,504

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 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 10.63	ORD -39,865	-39,865
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell 10.63	ORD -10,492	-10,492
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell 10.63	ORD -51,619	-51,619
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell 10.63	ORD -13,499	-13,499
30-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell 10.63	ORD -23,917	-23,917
31-May-18	BlackRock Investment Management (UK) Limited	on mkt sell 11.00	CFD -1,876	-1,876
31-May-18	BlackRock Investment Management (UK) Limited	on mkt sell 11.00	CFD -5,177	-5,177
31-May-18	BlackRock Investment Management (UK) Limited	on mkt sell 11.00	CFD -1,938	-1,938
31-May-18	BlackRock Investment Management (UK) Limited	on mkt sell 10.95	CFD -402	-402
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell 10.94	CFD -118	-118
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell 10.94	CFD -302	-302
31-May-18	BlackRock Advisors, LLC	on mkt sell 10.94	CFD -31,789	-31,789
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell 10.93	ORD -5,279	-5,279
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell 10.93	ORD -20,531	-20,531
31-May-18	BlackRock Investment Management (Australia) Limited	on mkt sell 10.92	ORD -7,481	-7,481
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell 10.98	CFD -9,783	-9,783
31-May-18	BlackRock Institutional Trust Company, National Association	on mkt sell 10.98	CFD -11,541	-11,541
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 -291	-291
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 Investment Management (UK) Limited	on mkt sell 10.90	CFD -1,113	-1,113
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

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, LLC	on mkt sell	10.92 CFD -2,169	-2,169
31-May-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.95 CFD -506	-506
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
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 Institutional Trust Company, National Association	on mkt sell	10.87 ORD -181,750	-181,750
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

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 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
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

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 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
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

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 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
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

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 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 Advisors (UK) Limited	on mkt sell	10.87 ORD -30,194	-30,194
31-May-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.87 ORD 6,932	6,932
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, 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

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 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
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

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 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 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
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

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 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
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
01-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.39 CFD -1,662	-1,662
01-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.39 CFD -1,592	-1,592
01-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.39 ORD -12,642	-12,642
01-Jun-18	BlackRock Fund Advisors	in specie	n/a ORD -17,661	-17,661
04-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.35 CFD -734	-734
04-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.35 ORD -2,263	-2,263
04-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.35 ORD -17,155	-17,155
04-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.30 CFD -66,104	-66,104
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.81 ORD -3,254	-3,254
05-Jun-18	BlackRock Japan Co., Ltd.	on mkt sell	10.81 ORD -6,445	-6,445
05-Jun-18	BlackRock Japan Co., Ltd.	on mkt sell	10.81 ORD -4,335	-4,335
05-Jun-18	BlackRock Japan Co., Ltd.	on mkt sell	10.81 ORD -2,955	-2,955
05-Jun-18	BlackRock Advisors, LLC	on mkt sell	10.81 ORD -8,304	-8,304
05-Jun-18	BlackRock Advisors, LLC	on mkt sell	10.81 ORD -5,127	-5,127
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.81 ORD -13,347	-13,347
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.81 ORD -3,603	-3,603
05-Jun-18	BlackRock Financial Management, Inc.	on mkt sell	10.81 ORD -1,697	-1,697
05-Jun-18	BlackRock Asset Management Canada Limited	on mkt sell	10.81 ORD -4,366	-4,366
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.81 ORD -23,149	-23,149

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.81 ORD -320	-320
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.72 CFD -344	-344
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.72 ORD -6,420	-6,420
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.72 ORD -24,421	-24,421
05-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.78 ORD -43,119	-43,119
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 CFD -1,704	-1,704
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 CFD -37	-37
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 CFD -10,348	-10,348
05-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 CFD -4,174	-4,174
05-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.85 CFD -372	-372
05-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.85 CFD -672	-672
05-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.00 ORD 4,246	4,246
05-Jun-18	BlackRock Fund Advisors	in specie	n/a ORD 32,279	32,279
06-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.84 ORD -7,184	-7,184
06-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.84 ORD -13,306	-13,306
06-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.83 ORD -4,447	-4,447
06-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.83 ORD -26,097	-26,097
06-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.83 ORD -4,136	-4,136
06-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.83 ORD -26,130	-26,130
06-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.83 ORD -11,999	-11,999
06-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 ORD -23,517	-23,517
06-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 ORD -5,093	-5,093
06-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.85 ORD -5,274	-5,274
06-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	10.89 ORD 8,235	8,235
06-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	10.90 ORD 6,588	6,588
06-Jun-18	BlackRock Investment Management (UK) Limited	on mkt buy	10.90 ORD 17,882	17,882
06-Jun-18	BlackRock Investment Management (UK) Limited	in specie	n/a ORD 12,088	12,088
06-Jun-18	BlackRock Fund Advisors	in specie	n/a ORD 1,104	1,104
06-Jun-18	BlackRock Fund Advisors	in specie	n/a ORD 12,692	12,692
07-Jun-18	BlackRock Fund Advisors	on mkt buy	10.97 ORD 3,582	3,582
07-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.11 ORD -6,035	-6,035
07-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.13 ORD -8,538	-8,538

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected	Person's votes affected
07-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.13	ORD -16,822	-16,822
07-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.16	ORD -2,819	-2,819
07-Jun-18	BlackRock Advisors, LLC	on mkt sell	11.16	ORD -4,967	-4,967
07-Jun-18	BlackRock Advisors, LLC	on mkt sell	11.16	ORD -1,474	-1,474
07-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.16	ORD -16,692	-16,692
07-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.16	ORD -5,903	-5,903
07-Jun-18	BlackRock Financial Management, Inc.	on mkt sell	11.16	ORD -2,678	-2,678
07-Jun-18	BlackRock Asset Management Canada Limited	on mkt sell	11.16	ORD -3,239	-3,239
07-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.16	ORD -12,836	-12,836
07-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.21	CFD -454	-454
07-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.22	CFD -99,055	-99,055
07-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.21	CFD -2,565	-2,565
07-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.21	CFD -1,659	-1,659
07-Jun-18	BlackRock Japan Co., Ltd.	on mkt buy	11.33	ORD 86,573	86,573
07-Jun-18	BlackRock Investment Management, LLC	on mkt buy	11.33	ORD 185,961	185,961
07-Jun-18	BlackRock Fund Advisors	on mkt buy	11.33	ORD 4,540	4,540
07-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.38	ORD 4,929	4,929
07-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.38	ORD 6,572	6,572
07-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.38	ORD 2,130	2,130
07-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.38	ORD 772	772
07-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD 1,288	1,288
07-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD 12,692	12,692
07-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -11,774	-11,774
08-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.36	ORD -10,510	-10,510
08-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.36	ORD -6,555	-6,555
08-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.50	ORD 1,645	1,645
08-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.50	ORD 3,290	3,290
08-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -4,154	-4,154
08-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD 6,346	6,346
11-Jun-18	BlackRock Financial Management, Inc.	on mkt buy	11.51	ORD 18,035	18,035
11-Jun-18	BlackRock Financial Management, Inc.	on mkt buy	11.50	ORD 30,000	30,000
11-Jun-18	BlackRock Japan Co., Ltd.	on mkt buy	11.85	ORD 86,573	86,573

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
11-Jun-18	BlackRock Advisors, LLC	on mkt sell	11.85 ORD -23,996	-23,996
11-Jun-18	BlackRock Financial Management, Inc.	on mkt buy	11.79 ORD 85,269	85,269
12-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.65 ORD -23,553	-23,553
12-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.65 ORD -5,246	-5,246
12-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.65 ORD -9,786	-9,786
12-Jun-18	BlackRock Financial Management, Inc.	on mkt buy	11.64 ORD 80,776	80,776
12-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.63 ORD -603	-603
12-Jun-18	BlackRock Japan Co., Ltd.	on mkt sell	11.63 ORD -1,571	-1,571
12-Jun-18	BlackRock Advisors, LLC	on mkt sell	11.63 ORD -2,729	-2,729
12-Jun-18	BlackRock International Limited	on mkt sell	11.65 ORD -4,832	-4,832
12-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.78 ORD 3,280	3,280
12-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.78 ORD 1,640	1,640
13-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 CFD -445	-445
13-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.44 CFD -3,069	-3,069
13-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.43 ORD -19,934	-19,934
13-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.43 ORD -8,380	-8,380
13-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 ORD -17,590	-17,590
13-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 ORD -346	-346
13-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.43 ORD -12,424	-12,424
13-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.43 ORD -27,818	-27,818
13-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.43 ORD -4,721	-4,721
13-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.43 ORD -35,802	-35,802
13-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.43 ORD -14,422	-14,422
13-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.43 ORD -20,601	-20,601
13-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.43 ORD -58,063	-58,063
13-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.50 ORD -35,952	-35,952
14-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.38 ORD -20,536	-20,536
14-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.37 ORD 9,607	9,607
14-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 ORD -2,165	-2,165
14-Jun-18	BlackRock Financial Management, Inc.	on mkt sell	11.45 ORD -2,667	-2,667
14-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 ORD -7,200	-7,200
14-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	11.45 ORD -12,159	-12,159

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
14-Jun-18	BlackRock Advisors, LLC	on mkt sell	11.45 ORD -3,403	-3,403
14-Jun-18	BlackRock Asset Management Canada Limited	on mkt sell	11.45 ORD -4,840	-4,840
14-Jun-18	BlackRock International Limited	on mkt sell	11.45 ORD -5,780	-5,780
14-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.45 ORD -1,486	-1,486
14-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 ORD -3,796	-3,796
14-Jun-18	BlackRock Financial Management, Inc.	on mkt sell	11.45 ORD -8,810	-8,810
14-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 ORD -11,170	-11,170
14-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 ORD -3,737	-3,737
14-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	11.45 ORD -10,103	-10,103
14-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	11.45 ORD -7,947	-7,947
14-Jun-18	BlackRock Asset Management Canada Limited	on mkt sell	11.45 ORD -2,338	-2,338
14-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 ORD -18,240	-18,240
14-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.50 ORD 936	936
14-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.44 ORD 6,624	6,624
15-Jun-18	BlackRock Financial Management, Inc.	on mkt sell	11.69 ORD -727	-727
15-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.64 ORD -28,716	-28,716
15-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.64 ORD -11,699	-11,699
15-Jun-18	BlackRock Financial Management, Inc.	on mkt sell	11.64 ORD -149,493	-149,493
15-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.90 ORD -11,996	-11,996
15-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.90 ORD -2,814	-2,814
15-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.90 ORD 916	916
15-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.90 ORD -20,713	-20,713
15-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.90 ORD -88,295	-88,295
15-Jun-18	BlackRock Asset Management Canada Limited	on mkt sell	11.90 ORD -4,177	-4,177
15-Jun-18	BlackRock Asset Management Canada Limited	on mkt sell	11.90 ORD -978	-978
15-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.90 ORD 22,661	22,661
15-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.77 ORD 20,211	20,211
15-Jun-18	BlackRock Fund Advisors	in specie	n/a ORD -22,847	-22,847
18-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.63 ORD -19,992	-19,992
18-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.63 ORD -9,254	-9,254
18-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.69 ORD 916	916
18-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.69 ORD 916	916

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
18-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -11,774 -11,774
19-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.54	ORD -1,261 -1,261
19-Jun-18	BlackRock Investment Management, LLC	on mkt sell	11.54	ORD -6,752 -6,752
19-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.54	ORD -368 -368
19-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.54	ORD -603 -603
19-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.54	ORD -14,680 -14,680
19-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.54	ORD -1,102 -1,102
19-Jun-18	BlackRock Financial Management, Inc.	on mkt sell	11.54	ORD -4,896 -4,896
19-Jun-18	BlackRock Advisors, LLC	on mkt sell	11.54	ORD -2,274 -2,274
19-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.54	ORD -12,411 -12,411
19-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	11.54	ORD -6,501 -6,501
19-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	11.54	ORD -5,029 -5,029
19-Jun-18	BlackRock Asset Management Canada Limited	on mkt sell	11.54	ORD -1,104 -1,104
19-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.54	ORD -373 -373
19-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.54	ORD -5,340 -5,340
19-Jun-18	BlackRock Advisors, LLC	on mkt buy	11.56	ORD 2,514 2,514
19-Jun-18	BlackRock Advisors, LLC	on mkt buy	11.56	ORD 784 784
19-Jun-18	BlackRock Investment Management, LLC	on mkt buy	11.56	ORD 2,129 2,129
19-Jun-18	BlackRock Financial Management, Inc.	on mkt buy	11.56	ORD 2,728 2,728
19-Jun-18	BlackRock Financial Management, Inc.	on mkt sell	11.54	ORD -727 -727
19-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.54	ORD -5,605 -5,605
19-Jun-18	BlackRock International Limited	on mkt sell	11.54	ORD -5,628 -5,628
19-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.54	ORD -13,699 -13,699
19-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.54	ORD -9,036 -9,036
19-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.54	ORD -17,777 -17,777
19-Jun-18	BlackRock Japan Co., Ltd.	on mkt sell	11.54	ORD -10,864 -10,864
19-Jun-18	BlackRock Fund Advisors	on mkt sell	11.51	ORD -27,420 -27,420
19-Jun-18	BlackRock Fund Advisors	on mkt sell	11.51	ORD -30,671 -30,671
19-Jun-18	BlackRock Fund Advisors	on mkt sell	11.51	ORD -15,300 -15,300
19-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD 158 158
19-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -5,801 -5,801
19-Jun-18	BlackRock Advisors (UK) Limited	in specie	n/a	ORD 9,079 9,079

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected	Person's votes affected
20-Jun-18	BlackRock Fund Advisors	on mkt buy	11.56	ORD 34,075	34,075
20-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.71	ORD -11,252	-11,252
20-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.71	ORD -5,826	-5,826
20-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.71	ORD -7,209	-7,209
20-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.71	ORD -24,224	-24,224
20-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.71	ORD -3,685	-3,685
20-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.71	ORD -39,638	-39,638
20-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.71	ORD -12,397	-12,397
20-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.71	ORD -18,819	-18,819
20-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.73	ORD -7,252	-7,252
20-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -26,793	-26,793
21-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.11	ORD -10,104	-10,104
21-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.11	ORD -3,696	-3,696
21-Jun-18	BlackRock International Limited	on mkt sell	12.16	ORD -4,799	-4,799
21-Jun-18	BlackRock Advisors, LLC	on mkt sell	12.16	ORD -735	-735
21-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	12.15	ORD 2,050	2,050
21-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	12.15	ORD -1,872	-1,872
22-Jun-18	BlackRock Financial Management, Inc.	on mkt sell	11.91	ORD -563	-563
22-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.87	ORD -12,153	-12,153
22-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.87	ORD -3,632	-3,632
22-Jun-18	BlackRock Financial Management, Inc.	on mkt sell	11.87	ORD -75,175	-75,175
22-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.95	ORD -1,107	-1,107
22-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	11.95	ORD -5,616	-5,616
25-Jun-18	BlackRock Fund Advisors	on mkt buy	11.92	ORD 3,406	3,406
25-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.68	ORD -8,722	-8,722
25-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.68	ORD -3,293	-3,293
25-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	11.65	ORD -6,517	-6,517
25-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD 1,850	1,850
25-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -8,244	-8,244
25-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -18,876	-18,876
25-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -6,183	-6,183
25-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -6,183	-6,183

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected	Person's votes affected
26-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.49	ORD 670	670
26-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.51	ORD -8,909	-8,909
26-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.51	ORD -4,462	-4,462
26-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.65	ORD 955	955
26-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.65	ORD 6,107	6,107
26-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -4,122	-4,122
26-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -8,244	-8,244
27-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.83	ORD -5,164	-5,164
27-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.83	ORD -2,397	-2,397
27-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.83	ORD -3,841	-3,841
27-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.83	ORD -353	-353
27-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.83	ORD -12,237	-12,237
27-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.83	ORD -26,012	-26,012
27-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.83	ORD -6,249	-6,249
27-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.83	ORD -13,561	-13,561
27-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	11.73	ORD -5,034	-5,034
27-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD 31,817	31,817
28-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.65	ORD -5,925	-5,925
28-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.65	ORD -1,919	-1,919
28-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	11.66	ORD -966	-966
28-Jun-18	BlackRock Advisors (UK) Limited	on mkt sell	11.66	ORD -1,932	-1,932
28-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.66	ORD 7,373	7,373
28-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -12,584	-12,584
28-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD 31,817	31,817
29-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.72	ORD 8,776	8,776
29-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.55	ORD -10,465	-10,465
29-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.55	ORD -972	-972
29-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.53	ORD -21,488	-21,488
29-Jun-18	BlackRock Financial Management, Inc.	on mkt buy	11.49	ORD 253	253
29-Jun-18	BlackRock Advisors (UK) Limited	on mkt buy	11.55	ORD 15,093	15,093
29-Jun-18	BlackRock Fund Advisors	on mkt buy	11.46	ORD 4,331	4,331
29-Jun-18	BlackRock Investment Management (UK) Limited	on mkt sell	11.46	ORD -47,817	-47,817

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected	Person's votes affected
29-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.46	ORD 37,231	37,231
29-Jun-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.46	ORD -9,746	-9,746
29-Jun-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.48	ORD -27,787	-27,787
29-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD 2,024	2,024
29-Jun-18	BlackRock Fund Advisors	in specie	n/a	ORD -6,183	-6,183
02-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.39	ORD -2,484	-2,484
02-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.43	ORD 1,700	1,700
02-Jul-18	BlackRock Fund Advisors	in specie	n/a	ORD -14,427	-14,427
02-Jul-18	BlackRock Fund Advisors	in specie	n/a	ORD -14,427	-14,427
02-Jul-18	BlackRock Fund Advisors	in specie	n/a	ORD -6,183	-6,183
02-Jul-18	BlackRock Fund Advisors	in specie	n/a	ORD -5,801	-5,801
03-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.80	ORD 702	702
03-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.78	ORD -7,594	-7,594
03-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.78	ORD -268	-268
03-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	11.80	ORD -924	-924
03-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	11.80	ORD -3,360	-3,360
03-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	11.80	ORD -12,557	-12,557
04-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.48	ORD -3,336	-3,336
04-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.48	ORD -490	-490
04-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.48	ORD -16,412	-16,412
04-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.48	ORD -3,700	-3,700
04-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.48	ORD -12,300	-12,300
04-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	11.46	ORD -16,800	-16,800
05-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	11.55	ORD -1,534	-1,534
05-Jul-18	BlackRock Fund Advisors	in specie	n/a	ORD 31,817	31,817
06-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45	ORD -14,336	-14,336
06-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.43	ORD -17,830	-17,830
06-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.43	ORD -2,635	-2,635
06-Jul-18	BlackRock Financial Management, Inc.	on mkt sell	11.43	ORD -5,091	-5,091
06-Jul-18	BlackRock Financial Management, Inc.	on mkt buy	11.45	ORD 1,515	1,515
06-Jul-18	BlackRock Fund Advisors	in specie	n/a	ORD 63,634	63,634
09-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.40	ORD -20,641	-20,641

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
09-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.40 ORD -1,070	-1,070
09-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	11.44 ORD -2,133	-2,133
09-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.44 ORD 6,875	6,875
10-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 ORD -16,516	-16,516
10-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.45 ORD -2,599	-2,599
10-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	11.48 ORD 50,280	50,280
10-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	11.66 ORD 400	400
10-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.66 ORD 2,836	2,836
10-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.66 ORD 708	708
10-Jul-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD 38,279	38,279
10-Jul-18	BlackRock Advisors (UK) Limited	in specie	n/a ORD -8,200	-8,200
11-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.71 ORD -15,033	-15,033
11-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.71 ORD -1,338	-1,338
11-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.73 ORD -2,724	-2,724
11-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.73 ORD -496	-496
11-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.73 ORD -49,296	-49,296
11-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.73 ORD -10,456	-10,456
11-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.73 ORD -15,792	-15,792
11-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	11.77 ORD 990	990
11-Jul-18	BlackRock Asset Management Canada Limited	on mkt buy	11.77 ORD 35,973	35,973
11-Jul-18	BlackRock Fund Advisors	on mkt buy	11.77 ORD 3,688	3,688
12-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.55 ORD -15,411	-15,411
12-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.55 ORD -1,678	-1,678
12-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.48 ORD -11,430	-11,430
12-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	11.36 ORD 1,421	1,421
12-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.47 ORD -40,606	-40,606
13-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.34 ORD -12,468	-12,468
13-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.34 ORD -2,410	-2,410
13-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	11.39 ORD 567	567
13-Jul-18	BlackRock Financial Management, Inc.	on mkt sell	11.36 ORD -287	-287
16-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.35 ORD -14,626	-14,626
16-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.35 ORD -468	-468

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected	Person's votes affected
16-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	11.36	ORD -48,865	-48,865
17-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.05	ORD -1,111	-1,111
17-Jul-18	BlackRock Advisors, LLC	on mkt sell	11.25	ORD -4,802	-4,802
17-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	11.10	ORD -1,534	-1,534
17-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	11.10	ORD -1,676	-1,676
17-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	11.10	ORD -4,244	-4,244
17-Jul-18	BlackRock Advisors, LLC	on mkt buy	11.10	ORD 74,877	74,877
17-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.99	ORD -54,606	-54,606
17-Jul-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD -10,161	-10,161
18-Jul-18	BlackRock Investment Management, LLC	on mkt buy	11.15	ORD 1,271	1,271
18-Jul-18	BlackRock Financial Management, Inc.	on mkt buy	10.98	ORD 5,137	5,137
18-Jul-18	BlackRock Advisors, LLC	on mkt buy	10.98	ORD 20,993	20,993
18-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.98	ORD 2,281	2,281
18-Jul-18	BlackRock Advisors, LLC	on mkt buy	10.98	ORD 9,477	9,477
18-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.98	ORD 1,853	1,853
18-Jul-18	BlackRock International Limited	on mkt buy	10.98	ORD 3,151	3,151
18-Jul-18	BlackRock Financial Management, Inc.	on mkt buy	10.98	ORD 15,000	15,000
18-Jul-18	BlackRock Investment Management, LLC	on mkt buy	10.98	ORD 7,073	7,073
18-Jul-18	BlackRock Financial Management, Inc.	on mkt buy	10.98	ORD 4,309	4,309
18-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt buy	10.98	ORD 2,327	2,327
18-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.94	ORD -2,520	-2,520
18-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.94	ORD -5,800	-5,800
18-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.94	ORD -2,210	-2,210
18-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.95	ORD -1,878	-1,878
18-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.94	ORD -648	-648
18-Jul-18	BlackRock Fund Advisors	on mkt buy	11.01	ORD 9,680	9,680
19-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.76	ORD -12,987	-12,987
19-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.76	ORD -996	-996
19-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.77	ORD 13,347	13,347
20-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.60	ORD -17,195	-17,195
20-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.60	ORD -1,433	-1,433
20-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.75	ORD 573	573

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
20-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.75 ORD 195	195
20-Jul-18	BlackRock Fund Advisors	in specie	n/a ORD -63,634	-63,634
20-Jul-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD -8,651	-8,651
23-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.44 ORD -11,385	-11,385
23-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.44 ORD -1,734	-1,734
23-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.45 ORD 3,352	3,352
23-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.45 ORD 576	576
23-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.42 ORD 17,921	17,921
23-Jul-18	BlackRock Fund Advisors	in specie	n/a ORD -5,856	-5,856
23-Jul-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD -17,347	-17,347
24-Jul-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD -8,613	-8,613
24-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.47 ORD -19,503	-19,503
24-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.47 ORD -856	-856
24-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.57 ORD -4,411	-4,411
25-Jul-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD -8,670	-8,670
25-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.81 ORD 840	840
25-Jul-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.77 ORD -29,299	-29,299
25-Jul-18	BlackRock Advisors (UK) Limited	on mkt sell	10.80 ORD -2,123	-2,123
26-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.80 ORD -554	-554
26-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.80 ORD -227	-227
26-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.74 ORD -64,189	-64,189
26-Jul-18	BlackRock Fund Advisors	in specie	n/a ORD -22,671	-22,671
26-Jul-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD -17,460	-17,460
27-Jul-18	BlackRock Investment Management (UK) Limited	on mkt sell	10.77 ORD -5,236	-5,236
27-Jul-18	BlackRock Financial Management, Inc.	on mkt sell	10.76 ORD -4,779	-4,779
27-Jul-18	BlackRock Financial Management, Inc.	on mkt buy	10.77 ORD 1,018	1,018
27-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.78 ORD 1,188	1,188
27-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.78 ORD 1,344	1,344
27-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.78 ORD 6,704	6,704
27-Jul-18	BlackRock Fund Advisors	on mkt buy	10.78 ORD 13,549	13,549
30-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.66 ORD -1,450	-1,450
30-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.66 ORD -498	-498

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
30-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.66 ORD -53	-53
30-Jul-18	BlackRock Fund Advisors	on mkt buy	10.77 ORD 3,854	3,854
30-Jul-18	BlackRock Fund Advisors	in specie	n/a ORD -6,183	-6,183
31-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.46 ORD 3,356	3,356
31-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.46 ORD 396	396
31-Jul-18	BlackRock Advisors (UK) Limited	on mkt buy	10.46 ORD 1,678	1,678
31-Jul-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.46 ORD -1,887	-1,887
31-Jul-18	BlackRock Fund Advisors	on mkt buy	10.46 ORD 9,993	9,993
31-Jul-18	BlackRock Fund Advisors	in specie	n/a ORD 1,302	1,302
31-Jul-18	BlackRock Fund Advisors	in specie	n/a ORD -8,244	-8,244
31-Jul-18	BlackRock Fund Advisors	in specie	n/a ORD -65	-65
01-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.35 ORD -6,375	-6,375
01-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.35 ORD -6,005	-6,005
01-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.35 ORD -1,554	-1,554
01-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.35 ORD -4,182	-4,182
01-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.35 ORD -7,833	-7,833
01-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	10.33 ORD 36,938	36,938
01-Aug-18	BlackRock Advisors (UK) Limited	on mkt sell	10.39 ORD -53,728	-53,728
01-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD 1,528	1,528
01-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD -6,183	-6,183
02-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.35 ORD -10,362	-10,362
02-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.44 ORD -22,602	-22,602
02-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt sell	10.43 ORD -19,869	-19,869
02-Aug-18	BlackRock Advisors (UK) Limited	on mkt sell	10.33 ORD -16,750	-16,750
02-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD 8,370	8,370
02-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD 11,160	11,160
02-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD -17,568	-17,568
02-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD -5,856	-5,856
03-Aug-18	BlackRock Financial Management, Inc.	on mkt sell	10.49 ORD -536	-536
03-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	10.42 ORD 1,158	1,158
06-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD 8,370	8,370
07-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	10.53 ORD 46,816	46,816

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
07-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell	10.55 ORD -24,994	-24,994
08-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.41 ORD 951	951
08-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	10.40 ORD 5,916	5,916
08-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	10.40 ORD 384	384
08-Aug-18	BlackRock Financial Management, Inc.	on mkt buy	10.40 ORD 1,925	1,925
08-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD 886	886
09-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD 1,910	1,910
09-Aug-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD -5,514	-5,514
10-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD 3,820	3,820
10-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD -63,634	-63,634
13-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	10.78 ORD 9,750	9,750
13-Aug-18	BlackRock Asset Management Canada Limited	on mkt sell	10.77 ORD -30,482	-30,482
13-Aug-18	BlackRock Advisors, LLC	on mkt sell	10.77 ORD -75,000	-75,000
13-Aug-18	BlackRock Fund Advisors	in specie	n/a ORD -1,404	-1,404
14-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt sell	11.14 ORD -2,985	-2,985
14-Aug-18	BlackRock Investment Management (Australia) Limited	in specie	n/a ORD 14,490	14,490
14-Aug-18	BlackRock Advisors (UK) Limited	on mkt sell	11.16 ORD -3,244	-3,244
14-Aug-18	BlackRock Advisors (UK) Limited	on mkt sell	11.16 ORD -940	-940
14-Aug-18	BlackRock Advisors, LLC	on mkt sell	11.16 ORD -32,231	-32,231
15-Aug-18	BlackRock Investment Management, LLC	on mkt buy	11.22 ORD 1,434	1,434
15-Aug-18	BlackRock Financial Management, Inc.	on mkt buy	11.06 ORD 894	894
15-Aug-18	BlackRock Advisors, LLC	on mkt buy	11.06 ORD 5,141	5,141
15-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.06 ORD 741	741
15-Aug-18	BlackRock Advisors, LLC	on mkt buy	11.06 ORD 1,836	1,836
15-Aug-18	BlackRock Financial Management, Inc.	on mkt buy	11.06 ORD 3,632	3,632
15-Aug-18	BlackRock Investment Management, LLC	on mkt buy	11.06 ORD 1,630	1,630
15-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.04 ORD 12,242	12,242
15-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy	11.02 ORD 63,944	63,944
15-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.02 ORD -62,669	-62,669
16-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.86 ORD 8,537	8,537
16-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy	10.88 ORD 5,782	5,782
17-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	10.85 ORD 2,120	2,120

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
20-Aug-18	BlackRock Financial Management, Inc.	on mkt sell	10.86 ORD -979	-979
21-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.09 ORD 11,224	11,224
21-Aug-18	BlackRock Advisors (UK) Limited	on mkt sell	11.09 ORD -1,594	-1,594
21-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.10 ORD -2,405	-2,405
21-Aug-18	BlackRock Advisors (UK) Limited	on mkt sell	11.09 ORD -34,314	-34,314
21-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	11.13 ORD 123	123
21-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	11.13 ORD 195	195
21-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.13 ORD -25,939	-25,939
21-Aug-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD -2,571	-2,571
22-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.68 ORD 3,349	3,349
22-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.68 ORD 6,311	6,311
22-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.68 ORD 8,487	8,487
22-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.74 ORD -5,007	-5,007
22-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.74 ORD -6,861	-6,861
22-Aug-18	BlackRock Advisors (UK) Limited	on mkt sell	11.71 ORD -8,205	-8,205
23-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.68 ORD 36,828	36,828
23-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.77 ORD -14,365	-14,365
24-Aug-18	BlackRock Financial Management, Inc.	on mkt buy	11.80 ORD 593	593
24-Aug-18	BlackRock Investment Management (Australia) Limited	in specie	n/a ORD -30,169	-30,169
27-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.07 ORD 8,500	8,500
27-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.07 ORD 3,852	3,852
27-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.07 ORD 53,636	53,636
27-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.07 ORD 8,375	8,375
27-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.07 ORD 3,145	3,145
27-Aug-18	BlackRock Asset Management Canada Limited	on mkt buy	12.07 ORD 215	215
27-Aug-18	BlackRock Asset Management Canada Limited	on mkt buy	12.07 ORD 277	277
27-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.07 ORD 10,937	10,937
27-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.07 ORD 4,956	4,956
27-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.07 ORD 69,007	69,007
27-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.07 ORD 10,777	10,777
27-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.07 ORD 4,046	4,046
28-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.42 ORD 35,919	35,919

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
28-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy 12.42	CFD 1,466	1,466
28-Aug-18	BlackRock Fund Advisors	in specie n/a	ORD 3,146	3,146
29-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy 12.85	ORD 4,064	4,064
29-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy 12.85	ORD 10,502	10,502
29-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy 12.85	ORD 25,888	25,888
29-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy 12.85	ORD 26,519	26,519
29-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy 12.85	ORD 7,759	7,759
29-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy 12.85	ORD 15,856	15,856
29-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy 12.69	ORD 1,846	1,846
29-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy 12.85	ORD 1,183	1,183
29-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy 12.69	ORD 837	837
29-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy 12.69	ORD 11,649	11,649
29-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy 12.69	ORD 1,819	1,819
29-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy 12.69	ORD 683	683
29-Aug-18	BlackRock Asset Management Canada Limited	on mkt buy 12.69	ORD 47	47
29-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy 12.93	ORD 5,616	5,616
29-Aug-18	BlackRock Advisors (UK) Limited	on mkt sell 12.93	ORD -936	-936
29-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell 12.93	ORD -8,408	-8,408
29-Aug-18	BlackRock Fund Advisors	in specie n/a	ORD 5,856	5,856
29-Aug-18	BlackRock Fund Advisors	in specie n/a	ORD -63,634	-63,634
30-Aug-18	BlackRock Investment Management (Australia) Limited	on mkt buy 12.84	ORD 17,751	17,751
30-Aug-18	BlackRock Advisors (UK) Limited	on mkt sell 12.87	ORD -32,800	-32,800
30-Aug-18	BlackRock Asset Management Canada Limited	on mkt buy 12.85	ORD 499	499
30-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy 12.85	ORD 19,685	19,685
30-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy 12.85	ORD 8,922	8,922
30-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy 12.85	ORD 124,212	124,212
30-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy 12.85	ORD 19,398	19,398
30-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy 12.85	ORD 7,284	7,284
30-Aug-18	BlackRock Fund Advisors	in specie n/a	ORD 1,772	1,772
31-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy 12.62	ORD 33,372	33,372
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy 12.62	ORD 15,127	15,127
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy 12.62	ORD 210,575	210,575

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 32,885	32,885
31-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.62 ORD 12,349	12,349
31-Aug-18	BlackRock Asset Management Canada Limited	on mkt buy	12.62 ORD 847	847
31-Aug-18	BlackRock Fund Advisors	on mkt buy	12.62 ORD 22,242	22,242
31-Aug-18	BlackRock Fund Advisors	on mkt buy	12.62 ORD 66,718	66,718
31-Aug-18	BlackRock Fund Advisors	on mkt buy	12.62 ORD 294	294
31-Aug-18	BlackRock Fund Advisors	on mkt buy	12.62 ORD 885	885
31-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	12.62 ORD 1,447	1,447
31-Aug-18	BlackRock Advisors (UK) Limited	on mkt buy	12.62 ORD 4,346	4,346
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 23,000	23,000
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 7,669	7,669
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 1,986	1,986
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 5,959	5,959
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 10,448	10,448
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 31,339	31,339
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 3,741	3,741
31-Aug-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 1,245	1,245
31-Aug-18	BlackRock Japan Co., Ltd.	on mkt sell	12.62 ORD -853	-853
31-Aug-18	BlackRock Japan Co., Ltd.	on mkt sell	12.62 ORD -2,012	-2,012
31-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.62 ORD -4,239	-4,239
31-Aug-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.62 ORD -2,191	-2,191
31-Aug-18	BlackRock (Netherlands) B.V.	on mkt sell	12.62 ORD -4,708	-4,708
03-Sep-18	BlackRock Asset Management Canada Limited	on mkt buy	12.74 ORD 117	117
03-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.74 ORD 4,600	4,600
03-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.74 ORD 2,085	2,085
03-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.74 ORD 29,028	29,028
03-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.74 ORD 4,533	4,533
03-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.74 ORD 1,702	1,702
04-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.70 ORD 2,380	2,380
04-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.70 ORD 1,079	1,079
04-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.70 ORD 15,019	15,019
04-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.70 ORD 2,346	2,346

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
04-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.70 ORD 881	881
04-Sep-18	BlackRock Asset Management Canada Limited	on mkt buy	12.70 ORD 60	60
04-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.83 ORD 6,564	6,564
04-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.83 ORD 20,117	20,117
04-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.83 ORD 2,767	2,767
04-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.83 ORD 21,772	21,772
04-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.83 ORD 6,403	6,403
04-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.83 ORD 12,361	12,361
04-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.84 ORD 278	278
04-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.84 ORD 258	258
04-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.82 ORD 1,602	1,602
04-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.78 ORD 16,020	16,020
04-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.78 ORD 9,612	9,612
04-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.82 ORD 398	398
04-Sep-18	BlackRock Asset Management Canada Limited	on mkt buy	12.81 ORD 165	165
04-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.81 ORD 6,499	6,499
04-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.81 ORD 2,945	2,945
04-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.81 ORD 41,009	41,009
04-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.81 ORD 6,404	6,404
04-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.81 ORD 2,405	2,405
05-Sep-18	BlackRock Fund Advisors	on mkt buy	12.83 ORD 550	550
05-Sep-18	BlackRock Fund Advisors	on mkt sell	12.40 ORD -8,428	-8,428
05-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.40 ORD -26,253	-26,253
05-Sep-18	BlackRock Advisors (UK) Limited	on mkt sell	12.40 ORD -4,246	-4,246
05-Sep-18	BlackRock Asset Management Canada Limited	on mkt buy	12.62 ORD 519	519
05-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.62 ORD 20,422	20,422
05-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 9,258	9,258
05-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 128,857	128,857
05-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.62 ORD 20,125	20,125
05-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.62 ORD 7,558	7,558
05-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.30 ORD 38,388	38,388
05-Sep-18	BlackRock Fund Advisors	in specie	n/a ORD -834	-834

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
05-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 4,775 4,775
06-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.89	ORD 4,785 4,785
06-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt sell	11.88	ORD -3,445 -3,445
06-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	11.88	ORD 4,731 4,731
06-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 1,044 1,044
06-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD -12,366 -12,366
07-Sep-18	BlackRock Financial Management, Inc.	on mkt sell	11.60	ORD -1,643 -1,643
07-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	11.62	ORD 396 396
07-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	11.63	ORD 11,711 11,711
07-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 1,910 1,910
07-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 12,276 12,276
07-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 9,486 9,486
07-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 31,837 31,837
10-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.57	ORD 3,304 3,304
10-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	11.54	ORD 1,194 1,194
10-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 2,292 2,292
10-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 222,859 222,859
11-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.10	ORD 5,028 5,028
11-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.10	ORD 925 925
11-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 63,674 63,674
11-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 127,348 127,348
11-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 130 130
11-Sep-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD -9,919 -9,919
12-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.04	ORD 2,431 2,431
12-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.04	ORD 6,853 6,853
12-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.04	ORD 962 962
12-Sep-18	BlackRock Fund Advisors	on mkt buy	12.09	ORD 5,763 5,763
12-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD -6,183 -6,183
13-Sep-18	BlackRock Advisors (UK) Limited	on mkt sell	12.06	ORD -2,118 -2,118
13-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.06	ORD 396 396
13-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.06	ORD 990 990
13-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD -12,366 -12,366

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13-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD 6,292 6,292
13-Sep-18	BlackRock Fund Advisors	in specie	n/a	ORD -531 -531
14-Sep-18	BlackRock Financial Management, Inc.	on mkt buy	11.98	ORD 1,204 1,204
14-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	11.99	ORD 949 949
14-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	11.99	ORD 1,898 1,898
14-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	11.97	ORD 21,108 21,108
14-Sep-18	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD 88,060 88,060
14-Sep-18	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD 59,950 59,950
17-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.29	ORD 2,922 2,922
17-Sep-18	BlackRock Japan Co., Ltd.	on mkt buy	11.99	ORD 2,119 2,119
18-Sep-18	BlackRock Fund Advisors	on mkt buy	12.09	ORD 5,108 5,108
18-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.12	ORD -9,513 -9,513
18-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.14	ORD -7,749 -7,749
18-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.14	ORD 927 927
18-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.14	ORD 1,854 1,854
18-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.14	ORD 1,533 1,533
18-Sep-18	BlackRock Investment Management, LLC	on mkt buy	12.14	ORD 315 315
18-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.14	ORD 5,257 5,257
19-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.24	ORD 3,939 3,939
19-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.24	ORD 8,320 8,320
19-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.24	ORD 1,444 1,444
19-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.24	ORD 12,604 12,604
19-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.27	ORD 2,796 2,796
19-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.33	ORD -18,163 -18,163
20-Sep-18	BlackRock Fund Advisors	on mkt buy	12.35	ORD 5,990 5,990
20-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.33	ORD -36,083 -36,083
20-Sep-18	BlackRock Investment Management (UK) Limited	on mkt sell	12.35	CFD -146 -146
20-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt sell	12.36	ORD -7,442 -7,442
20-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.38	ORD 3,728 3,728
20-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.38	ORD 1,534 1,534
20-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.38	ORD -11,610 -11,610
21-Sep-18	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD 16,831 16,831

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)	Class and number of securities affected	Person's votes affected
21-Sep-18	BlackRock Financial Management, Inc.	on mkt buy	12.55 ORD 371	371
21-Sep-18	BlackRock Advisors (UK) Limited	on mkt sell	12.51 ORD -13,416	-13,416
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.51 ORD 59,125	59,125
21-Sep-18	BlackRock Advisors (UK) Limited	on mkt buy	12.51 ORD 918,375	918,375
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.51 ORD 119,242	119,242
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.51 ORD 33,050	33,050
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.51 ORD 78,926	78,926
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.51 ORD 52,218	52,218
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.51 ORD 244,671	244,671
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.51 ORD 67,080	67,080
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.51 ORD 179,168	179,168
21-Sep-18	BlackRock Asset Management North Asia Limited	on mkt buy	12.51 ORD 3,031	3,031
21-Sep-18	BlackRock Asset Management Canada Limited	on mkt sell	12.51 ORD -2,683	-2,683
21-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.51 ORD -100,816	-100,816
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt buy	12.51 ORD 292,974	292,974
21-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.51 ORD -8,798	-8,798
21-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.51 ORD 3,568	3,568
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt sell	12.51 ORD -48,686	-48,686
21-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt buy	12.51 ORD 17,269	17,269
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt sell	12.51 ORD -101,492	-101,492
21-Sep-18	BlackRock Investment Management (UK) Limited	on mkt sell	12.51 ORD -109,783	-109,783
21-Sep-18	BlackRock Institutional Trust Company, National Association	on mkt sell	12.51 ORD -40,053	-40,053
21-Sep-18	BlackRock Investment Management (Australia) Limited	on mkt buy	12.32 ORD 4,557	4,557
21-Sep-18	BlackRock Institutional Trust Company, National Association	in specie	n/a ORD -4,567	-4,567
21-Sep-18	BlackRock Fund Advisors	in specie	n/a ORD -26,793	-26,793

Parties to the Derivative			
Investment Manager / Agent	Fund	On Behalf of	Counterparty
BlackRock Investment Management (UK) Limited	BSF Asia Pacific Diversified Equity Absolute Return Fund		HSBC
BlackRock Advisors, LLC	Global Long/Short Equity Fund		Deutsche Bank
BlackRock Investment Management (UK) Limited	BSF Global Long/Short Equity Fund		Morgan Stanley & Co International
BlackRock Institutional Trust Company, National Association	Global Market Neutral Fund B		UBS Securities LLC
BlackRock Investment Management (UK) Limited	Aberdeen Alternative Strategies Fund		Goldman Sachs Int'l
BlackRock Investment Management (UK) Limited	LSMS Blackrock Global Equity Market Neutral Strategy		Goldman Sachs Int'l
BlackRock Institutional Trust Company, National Association	The 32 Capital Master Fund SPC Ltd	Global Market Neutral SP	Citi Bank
BlackRock Institutional Trust Company, National Association	Multi-Strategy Master Fund Limited		Goldman Sachs Int'l
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		HSBC
BlackRock Investment Management (UK) Limited	BSF Global Long/Short Equity Fund		Merrill Lynch International
BlackRock Advisors, LLC	Global Long/Short Equity Fund		UBS Securities LLC
BlackRock Institutional Trust Company, National Association	Global Market Neutral Fund B		Citi Bank
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	Multi-Strategy Master Fund Limited		UBS Securities LLC
BlackRock Institutional Trust Company, National Association	Multi-Strategy Master Fund Limited		Merrill Lynch International
BlackRock Investment Management (UK) Limited	BSF Global Long/Short Equity Fund		Goldman Sachs Int'l
BlackRock Investment Management (UK) Limited	BlackRock Global Long Short Equity Fund		Merrill Lynch International
BlackRock Institutional Trust Company, National Association	Pan Asia Opportunities Master Fund Ltd		UBS Securities LLC
BlackRock Institutional Trust Company, National Association	The 32 Capital Master Fund SPC Ltd	Global Market Neutral SP	Goldman Sachs Int'l
BlackRock Institutional Trust Company, National Association	Pan Asia Opportunities Master Fund Ltd		Merrill Lynch International
BlackRock Investment Management (UK) Limited	BSF Asia Pacific Diversified Equity Absolute Return Fund		Citi Bank
BlackRock Institutional Trust Company, National Association	APAC Alpha Advantage Custom Strategy		Morgan Stanley & Co International
BlackRock Institutional Trust Company, National Association	The 32 Capital Master Fund SPC Ltd	Global Market Neutral SP	UBS Securities LLC

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