

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

To: New Zealand Stock Exchange

And: CONTACT ENERGY LTD

Date this disclosure made: 24 October 2017

Date on which substantial holding began: 20 October 2017

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 Shares

Summary for: Product holders listed in Appendix A

For this disclosure,—

- (a) total number held in class: 38,510,439 Ord
- (b) total in class: 716,135,473
- (c) total percentage held in class: 5.378%

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

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: Kayla Mulvihill, Tel +1-302-797-6268, Email kayla.mcgrory@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, Kayla Mulvihill, Authorised Signatory, certify that, to the best of my knowledge and belief, the information contained in this disclosure is correct and that I am duly authorised to make this disclosure for BlackRock Investment Management (Australia) Limited.

						Appendix A
Holder of Relevant Interests	Total Held in Class				Nature of Association	Address
	Class	CCY	Number of Securities	%		
BlackRock (Netherlands) B.V.	ord	NZD	155,303	0.022%	subsidiary of BlackRock Inc.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
BlackRock (Singapore) Limited	ord	NZD	52,078	0.007%	subsidiary of BlackRock Inc.	20 Anson Road #18-01 079912 Singapore
BlackRock Advisors (UK) Limited	ord	NZD	5,271,825	0.736%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	ord	NZD	602,179	0.084%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Asset Management Canada Limited	ord	NZD	527,542	0.074%	subsidiary of BlackRock Inc.	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management North Asia Limited	ord	NZD	19,002	0.003%	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	381,196	0.053%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Fund Advisors	ord	NZD	14,822,441	2.070%	subsidiary of BlackRock Inc.	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	ord	NZD	11,413,178	1.594%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock International Limited	ord	NZD	257,614	0.036%	subsidiary of BlackRock Inc.	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland,
BlackRock Investment Management (Australia) Limited	ord	NZD	254,387	0.036%	subsidiary of BlackRock Inc.	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)
BlackRock Investment Management (UK) Limited	ord	NZD	3,367,554	0.470%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	ord	NZD	775,599	0.108%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle
BlackRock Japan Co., Ltd.	ord	NZD	610,541	0.085%	subsidiary of BlackRock Inc.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi,

CONTACT ENERGY LTD

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
21-Jun-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.17	ord	-68,048	-68,048
21-Jun-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.17	ord	55,108	55,108
21-Jun-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.17	ord	-19,944	-19,944
21-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	5,746	5,746
21-Jun-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-3,216	-3,216
21-Jun-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-31,511	-31,511
21-Jun-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-4,138	-4,138
21-Jun-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-71,212	-71,212
22-Jun-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	ord	15,394	15,394
22-Jun-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	ord	-15,394	-15,394
22-Jun-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.29	ord	108,972	108,972
22-Jun-17	BlackRock Advisors (UK) Limited	on mkt buy	5.28	ord	225	225
22-Jun-17	BlackRock Fund Advisors	on mkt sell	5.29	ord	-5,578	-5,578
22-Jun-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	ord	-19,192	-19,192
22-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	31,431	31,431
22-Jun-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-133,689	-133,689
22-Jun-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	133,689	133,689
22-Jun-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-35,480	-35,480
22-Jun-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	35,480	35,480
23-Jun-17	BlackRock Advisors (UK) Limited	on mkt sell	5.23	ord	-2,904	-2,904
23-Jun-17	BlackRock Advisors (UK) Limited	on mkt buy	5.19	ord	161	161
23-Jun-17	BlackRock Advisors (UK) Limited	on mkt buy	5.19	ord	322	322
23-Jun-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	71,212	71,212
23-Jun-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	3,216	3,216
23-Jun-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	31,511	31,511
23-Jun-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	4,138	4,138
26-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	5,250	5,250
26-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	6,084	6,084
27-Jun-17	BlackRock Fund Advisors	on mkt buy	5.24	ord	2,691	2,691
27-Jun-17	BlackRock Investment Management (Australia) Limited	on mkt buy	5.22	ord	1,780	1,780
27-Jun-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.22	ord	-5,896	-5,896
27-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	15,750	15,750
27-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	6,825	6,825
28-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	7,875	7,875
29-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	7,875	7,875
29-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	7,875	7,875
30-Jun-17	BlackRock Asset Management Canada Limited	on mkt buy	5.21	ord	58,185	58,185
30-Jun-17	BlackRock Advisors (UK) Limited	on mkt buy	5.21	ord	322	322
30-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	21,000	21,000
30-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	7,875	7,875
30-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	13,125	13,125
30-Jun-17	BlackRock Fund Advisors	in specie	n/a	ord	15,756	15,756
03-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	-776	-776

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
04-Jul-17	BlackRock Fund Advisors	on mkt sell	5.21	ord	-371	-371
05-Jul-17	BlackRock Fund Advisors	on mkt buy	5.20	ord	32,720	32,720
05-Jul-17	BlackRock Advisors, LLC	on mkt buy	5.20	ord	88,924	88,924
05-Jul-17	BlackRock Advisors (UK) Limited	on mkt buy	5.21	ord	159	159
05-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	10,500	10,500
05-Jul-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	-59,729	-59,729
06-Jul-17	BlackRock Fund Advisors	on mkt buy	5.29	ord	7,744	7,744
06-Jul-17	BlackRock Advisors, LLC	on mkt buy	5.29	ord	21,048	21,048
06-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	8,115	8,115
07-Jul-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.29	ord	64,665	64,665
07-Jul-17	BlackRock Advisors (UK) Limited	on mkt buy	5.29	ord	2,906	2,906
07-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	21,640	21,640
07-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	10,820	10,820
07-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	34,083	34,083
07-Jul-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	3,215	3,215
10-Jul-17	BlackRock Advisors (UK) Limited	on mkt buy	5.28	ord	318	318
11-Jul-17	BlackRock Advisors (UK) Limited	on mkt buy	5.28	ord	1,800	1,800
11-Jul-17	BlackRock Advisors (UK) Limited	on mkt buy	5.28	ord	14,230	14,230
12-Jul-17	BlackRock Advisors (UK) Limited	on mkt sell	5.25	ord	-240	-240
12-Jul-17	BlackRock Advisors (UK) Limited	on mkt buy	5.25	ord	9,836	9,836
12-Jul-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	ord	-4,029	-4,029
12-Jul-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	ord	4,029	4,029
13-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	1,680	1,680
14-Jul-17	BlackRock Advisors (UK) Limited	on mkt buy	5.26	ord	1,446	1,446
14-Jul-17	BlackRock Advisors (UK) Limited	on mkt buy	5.26	ord	477	477
14-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	6,492	6,492
17-Jul-17	BlackRock Asset Management Canada Limited	in specie	n/a	ord	-18,567	-18,567
17-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	62,936	62,936
18-Jul-17	BlackRock Advisors (UK) Limited	on mkt sell	5.26	ord	-132	-132
18-Jul-17	BlackRock Advisors (UK) Limited	on mkt sell	5.26	ord	-1,116	-1,116
18-Jul-17	BlackRock Investment Management (UK) Limited	on mkt sell	5.26	ord	-10,426	-10,426
18-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	5,410	5,410
18-Jul-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-27,498	-27,498
19-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	8,115	8,115
20-Jul-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.21	ord	9,552	9,552
20-Jul-17	BlackRock Advisors (UK) Limited	on mkt buy	5.21	ord	4,338	4,338
20-Jul-17	BlackRock Advisors (UK) Limited	on mkt buy	5.21	ord	477	477
20-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	13,525	13,525
20-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	18,382	18,382
20-Jul-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	ord	-10,241	-10,241
21-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	8,115	8,115
21-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	3,570	3,570
21-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	3,156	3,156
24-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	31,468	31,468
24-Jul-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	27,498	27,498
24-Jul-17	BLACKROCK JAPAN CO LTD	on mkt buy	5.21	ord	81,873	81,873
25-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	2,164	2,164
25-Jul-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-23,343	-23,343
26-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	1,866	1,866
27-Jul-17	BlackRock Advisors (UK) Limited	on mkt sell	5.34	ord	-395	-395
28-Jul-17	BlackRock Advisors (UK) Limited	on mkt sell	5.33	ord	-300	-300
28-Jul-17	BlackRock Advisors (UK) Limited	on mkt sell	5.33	ord	-316	-316
28-Jul-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.33	ord	3,237	3,237

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
28-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	1,866	1,866
28-Jul-17	BlackRock Fund Advisors	in specie	n/a	ord	5,252	5,252
28-Jul-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	23,343	23,343
31-Jul-17	BlackRock (Netherlands) B.V.	on mkt buy	5.36	ord	13,009	13,009
31-Jul-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-27,588	-27,588
01-Aug-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	ord	3,682	3,682
01-Aug-17	BlackRock Japan Co., Ltd.	in specie	n/a	ord	-81,873	-81,873
02-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.37	ord	1,447	1,447
02-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	-31,468	-31,468
03-Aug-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	27,588	27,588
03-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	13,130	13,130
03-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	31,468	31,468
03-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	6,492	6,492
04-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.37	ord	1,447	1,447
08-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.37	ord	1,448	1,448
08-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.37	ord	4,344	4,344
08-Aug-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-8,642	-8,642
09-Aug-17	BlackRock Advisors, LLC	on mkt buy	5.39	ord	428	428
09-Aug-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.39	ord	680	680
09-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.41	ord	320	320
10-Aug-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.45	ord	54,907	54,907
10-Aug-17	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ord	1	1
11-Aug-17	BlackRock Investment Management (Australia) Limited	in specie	n/a	ord	5,304	5,304
11-Aug-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	8,642	8,642
11-Aug-17	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ord	-1	-1
14-Aug-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	5,535	5,535
14-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	11,492	11,492
14-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	7,878	7,878
15-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.71	ord	373	373
15-Aug-17	BlackRock Advisors (UK) Limited	on mkt sell	5.71	ord	-5,796	-5,796
15-Aug-17	BlackRock Advisors (UK) Limited	on mkt sell	5.71	ord	-395	-395
15-Aug-17	BlackRock Investment Management (UK) Limited	on mkt sell	5.71	ord	-9,174	-9,174
15-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	18,382	18,382
16-Aug-17	BlackRock Advisors (UK) Limited	on mkt sell	5.67	ord	-395	-395
16-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.67	ord	1,120	1,120
17-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.61	ord	3,732	3,732
17-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	5,746	5,746
18-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	4,050	4,050
18-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	5,252	5,252
21-Aug-17	BLACKROCK JAPAN CO LTD	on mkt sell	5.57	ord	-2,200	-2,200
22-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.57	ord	11,412	11,412
22-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	4,378	4,378
22-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	5,252	5,252
22-Aug-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	ord	-4,253	-4,253
22-Aug-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-36,497	-36,497
22-Aug-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-5,585	-5,585
23-Aug-17	BlackRock Asset Management North Asia Limited	on mkt buy	5.58	ord	79	79
23-Aug-17	BlackRock Advisors (UK) Limited	on mkt sell	5.55	ord	-26,154	-26,154
23-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.55	ord	900	900
23-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.55	ord	161	161
23-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.55	ord	322	322

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
23-Aug-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	-1,525	-1,525
24-Aug-17	BlackRock Asset Management North Asia Limited	on mkt buy	5.55	ord	1,959	1,959
24-Aug-17	BLACKROCK JAPAN CO LTD	on mkt buy	5.55	ord	26,495	26,495
24-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	6,492	6,492
24-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	15,756	15,756
24-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	10,945	10,945
24-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	-3,156	-3,156
25-Aug-17	BlackRock Fund Advisors	on mkt buy	5.58	ord	18,972	18,972
25-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.57	ord	1,455	1,455
25-Aug-17	BlackRock Advisors (UK) Limited	on mkt sell	5.57	ord	-3,748	-3,748
25-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	24,079	24,079
25-Aug-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	5,585	5,585
25-Aug-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	36,497	36,497
29-Aug-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.56	ord	3,622	3,622
29-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	8,115	8,115
29-Aug-17	BlackRock Financial Management, Inc.	in specie	n/a	ord	-5,883	-5,883
29-Aug-17	BlackRock Fund Advisors	in specie	n/a	ord	6,567	6,567
29-Aug-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	-2,918	-2,918
30-Aug-17	BlackRock Asset Management North Asia Limited	on mkt buy	5.45	ord	14,052	14,052
30-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.45	ord	374	374
30-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.45	ord	225	225
30-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.45	ord	161	161
30-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.45	ord	450	450
30-Aug-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	682	682
30-Aug-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	843	843
31-Aug-17	BLACKROCK JAPAN CO LTD	on mkt sell	5.40	ord	-31,874	-31,874
31-Aug-17	BlackRock Advisors (UK) Limited	on mkt sell	5.58	ord	-316	-316
31-Aug-17	BlackRock Advisors (UK) Limited	on mkt buy	5.58	ord	13,465	13,465
31-Aug-17	BlackRock International Limited	on mkt buy	5.58	ord	16,423	16,423
31-Aug-17	BlackRock Fund Advisors	on mkt buy	5.58	ord	100,213	100,213
31-Aug-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.58	ord	-645	-645
31-Aug-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.58	ord	9,045	9,045
01-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.51	ord	1,120	1,120
01-Sep-17	BlackRock Japan Co., Ltd.	in specie	n/a	ord	-26,495	-26,495
04-Sep-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.48	ord	424	424
04-Sep-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	2,918	2,918
05-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	21,152	21,152
06-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.42	ord	162	162
06-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	8,115	8,115
07-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.38	ord	810	810
07-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	18,508	18,508
07-Sep-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	-1,445	-1,445
08-Sep-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.44	ord	346	346
08-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.43	ord	1,344	1,344
08-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.43	ord	1,568	1,568
08-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	2,799	2,799
08-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	18,935	18,935
08-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	3,570	3,570
11-Sep-17	BlackRock Asset Management Canada Limited	on mkt buy	5.40	ord	1,918	1,918

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
11-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	4,050	4,050
12-Sep-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.33	ord	4,030	4,030
12-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	8,115	8,115
12-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	-130	-130
13-Sep-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.35	ord	10,804	10,804
13-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.44	ord	234	234
14-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.48	ord	672	672
14-Sep-17	BLACKROCK JAPAN CO LTD	on mkt sell	5.48	ord	-3,985	-3,985
15-Sep-17	BlackRock Advisors (UK) Limited	on mkt sell	5.49	ord	-240	-240
15-Sep-17	BlackRock Advisors (UK) Limited	on mkt sell	5.49	ord	-3,754	-3,754
15-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.49	ord	1,344	1,344
15-Sep-17	BlackRock Advisors (UK) Limited	on mkt sell	5.49	ord	-2,916	-2,916
15-Sep-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.49	ord	122,615	122,615
15-Sep-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.49	ord	-5,727	-5,727
15-Sep-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.49	ord	-14,274	-14,274
18-Sep-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.48	ord	-12,062	-12,062
18-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	-32,787	-32,787
18-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	-65,574	-65,574
19-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.43	ord	225	225
19-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.43	ord	17,472	17,472
19-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	8,115	8,115
19-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	6,492	6,492
19-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	7,932	7,932
19-Sep-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-4,276	-4,276
20-Sep-17	BlackRock Fund Advisors	on mkt buy	5.47	ord	4,187	4,187
21-Sep-17	BlackRock Fund Advisors	on mkt buy	5.49	ord	5,223	5,223
21-Sep-17	BlackRock Advisors, LLC	on mkt buy	5.49	ord	441	441
21-Sep-17	BlackRock Financial Management, Inc.	on mkt sell	5.50	ord	-90	-90
21-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.50	ord	324	324
21-Sep-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.50	ord	4,569	4,569
21-Sep-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.50	ord	1,170	1,170
21-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	10,820	10,820
22-Sep-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	4,276	4,276
25-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.54	ord	225	225
25-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	8,656	8,656
25-Sep-17	BlackRock Investment Management (Australia) Limited	on mkt sell	5.54	ord	-4,438	-4,438
26-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.57	ord	1,456	1,456
26-Sep-17	BlackRock Advisors (UK) Limited	on mkt sell	5.57	ord	-395	-395
26-Sep-17	BlackRock Financial Management, Inc.	in specie	n/a	ord	-30,531	-30,531
26-Sep-17	BlackRock Financial Management, Inc.	in specie	n/a	ord	30,531	30,531
28-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.57	ord	486	486
28-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.57	ord	2,912	2,912
28-Sep-17	BlackRock Advisors (UK) Limited	on mkt buy	5.57	ord	1,120	1,120
28-Sep-17	BlackRock Asset Management Canada Limited	on mkt buy	5.57	ord	33,677	33,677
28-Sep-17	BlackRock Advisors (UK) Limited	on mkt sell	5.57	ord	-474	-474
28-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	16,230	16,230
28-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	-195	-195
29-Sep-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.50	ord	-211,964	-211,964
29-Sep-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.50	ord	3,390	3,390
29-Sep-17	BlackRock Fund Advisors	in specie	n/a	ord	14,607	14,607

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
29-Sep-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	ord	-31,041	-31,041
29-Sep-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	ord	31,041	31,041
02-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.48	ord	1,456	1,456
02-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.48	ord	-1,239	-1,239
02-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	2,189	2,189
03-Oct-17	BlackRock Fund Advisors	on mkt buy	5.53	ord	6,199	6,199
03-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.53	ord	2,912	2,912
03-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.54	ord	154	154
03-Oct-17	BlackRock Investment Management (UK) Limited	on mkt buy	5.54	ord	7,508	7,508
03-Oct-17	BlackRock Fund Advisors	on mkt buy	5.54	ord	19,546	19,546
03-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.54	ord	5,530	5,530
03-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.54	ord	1,620	1,620
04-Oct-17	BlackRock Fund Advisors	on mkt sell	5.52	ord	-210	-210
04-Oct-17	BlackRock Asset Management Canada Limited	on mkt buy	5.53	ord	3,981	3,981
04-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	13,525	13,525
04-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	5,951	5,951
04-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	11,668	11,668
05-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.56	ord	2,675	2,675
05-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.54	ord	896	896
05-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.54	ord	3,756	3,756
06-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.49	ord	1,264	1,264
06-Oct-17	BlackRock Asset Management Canada Limited	on mkt buy	5.46	ord	371	371
06-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	1,620	1,620
06-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	12,443	12,443
09-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.55	ord	2,912	2,912
09-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.49	ord	3,196	3,196
09-Oct-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	128,935	128,935
10-Oct-17	BlackRock Fund Advisors	on mkt buy	5.53	ord	7,757	7,757
10-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.51	ord	14,375	14,375
10-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.51	ord	3,534	3,534
10-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.50	ord	9,586	9,586
10-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	8,656	8,656
10-Oct-17	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-5,083	-5,083
11-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	4,860	4,860
11-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	10,820	10,820
11-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	4,328	4,328
11-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	-195	-195
12-Oct-17	BlackRock Fund Advisors	on mkt buy	5.46	ord	91,120	91,120
12-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.44	ord	8,670	8,670
12-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.44	ord	2,833	2,833
12-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.44	ord	12,106	12,106
13-Oct-17	BlackRock Fund Advisors	on mkt buy	5.46	ord	6,321	6,321
13-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.45	ord	5,343	5,343
13-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.45	ord	1,880	1,880
13-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.45	ord	12,121	12,121

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
13-Oct-17	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	5,083	5,083
16-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.42	ord	-55,657	-55,657
16-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.42	ord	-71,838	-71,838
16-Oct-17	BlackRock Advisors (UK) Limited	on mkt sell	5.43	ord	-3,684	-3,684
16-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.43	ord	1,792	1,792
16-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.43	ord	1,568	1,568
17-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.52	ord	1,120	1,120
17-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.52	ord	15,540	15,540
17-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	13,525	13,525
17-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	2,189	2,189
18-Oct-17	BlackRock Investment Management, LLC	on mkt sell	5.56	ord	-280	-280
18-Oct-17	BlackRock Financial Management, Inc.	on mkt sell	5.56	ord	-63	-63
18-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.57	ord	934	934
18-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt sell	5.57	ord	-12,621	-12,621
18-Oct-17	BlackRock Fund Advisors	in specie	n/a	ord	5,410	5,410
18-Oct-17	BlackRock Institutional Trust Company, National Association	in specie	n/a	ord	74,938	74,938
19-Oct-17	BlackRock Fund Advisors	on mkt buy	5.55	ord	5,625	5,625
19-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.55	ord	373	373
19-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.55	ord	324	324
19-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.55	ord	8,558	8,558
19-Oct-17	BlackRock Institutional Trust Company, National Association	on mkt buy	5.55	ord	1,777	1,777
20-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.65	ord	2,890	2,890
20-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.65	ord	1,842	1,842
20-Oct-17	BlackRock Fund Advisors	on mkt buy	5.65	ord	1,522,894	1,522,894
20-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.65	ord	1,658,081	1,658,081
20-Oct-17	BlackRock Advisors (UK) Limited	on mkt buy	5.59	ord	253,487	253,487