



7 February 2020

Substantial Product Holder Notice – BlackRock Inc. and Related Bodies Corporate

Attached are substantial product holder notices lodged by BlackRock Inc. and related bodies corporate with NZX.

ENDS

Disclosure of beginning to have substantial holding

Section 276, Financial Markets Conduct Act 2013

To: New Zealand Stock Exchange
and

To: Contact Energy Ltd.

Date this disclosure made: 05 February 2020

Date on which substantial holding began: 03 February 2020

Substantial product holder(s) giving disclosure

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

Summary of substantial holding

Class of quoted voting products: Ordinary Shares

Summary for: Product holders listed in Appendix A

For this disclosure,—

(a) total number held in class: 35,928,653 Ord

(b) total in class: 718,077,598

(c) total percentage held in class: 5.003%

Details of relevant interests

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 139.

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): Refer to Appendix A

(d) registered holder(s) once transfers are registered: Not applicable

For a derivative relevant interest, also—

(a) type of derivative: **Contract for Difference**

- (b) details of derivative: *[specify details required by the instructions to this form]*
- Notional number of underlying shares: 4,182,978
 - 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

Details of transactions and events giving rise to substantial holding

Details of the transactions or other events requiring disclosure: Refer to Appendix B

Additional information

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

Contact details: Maria Tricarico, Tel +1-302-797-3901, Email:
Maria.tricarico@blackrock.com

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

Name of any other person believed to have given, or believed to be required to give, a disclosure under the Financial Markets Conduct Act 2013 in relation to the financial products to which this disclosure relates: Not applicable.

Certification

I, Maria Tricarico, 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 by all persons for whom it is made.

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	96,418	0.013%	subsidiary of BlackRock Inc.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
BlackRock (Singapore) Limited	ORD	NZD	46,859	0.007%	subsidiary of BlackRock Inc.	20 Anson Road #18-01 079912 Singapore
BlackRock Advisors (UK) Limited	ORD	NZD	5,394,662	0.751%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BLACKROCK ADVISORS, LLC	CFD	NZD	51,338	0.007%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BLACKROCK ADVISORS, LLC	ORD	NZD	20,434	0.003%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Asset Management Canada Limited	ORD	NZD	228,368	0.032%	subsidiary of BlackRock Inc.	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management Deutschland AG	ORD	NZD	4,366,996	0.608%	subsidiary of BlackRock Inc.	Max-Joseph-Straße 6 D-80333 Munich, Germany
BlackRock Asset Management North Asia Limited	ORD	NZD	1,056	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	212,104	0.030%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Fund Advisors	ORD	NZD	12,471,493	1.737%	subsidiary of BlackRock Inc.	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	CFD	NZD	2,575,200	0.359%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Institutional Trust Company, National Association	ORD	NZD	5,864,360	0.817%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Investment Management (Australia) Limited	ORD	NZD	13,177	0.002%	subsidiary of BlackRock Inc.	Level 26, 101 Collins Street Melbourne VIC 3000
BlackRock Investment Management (UK) Limited	CFD	NZD	12,201	0.002%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL
BlackRock Investment Management (UK) Limited	ORD	NZD	2,959,679	0.412%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL
BlackRock Investment Management, LLC	CFD	NZD	1,544,239	0.215%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle
BlackRock Investment Management, LLC	ORD	NZD	5,816	0.001%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle
BlackRock Japan Co., Ltd.	ORD	NZD	64,253	0.009%	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
04-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	8.72	CFD	-1,000	-1,000
04-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.72	CFD	-2,000	-2,000
04-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.72	CFD	-3,000	-3,000
04-Oct-19	BlackRock Investment Management (UK) Limited	on mkt sell	8.72	CFD	-1,000	-1,000
04-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.72	ORD	39,030	39,030
04-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	22,130	22,130
04-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	78,344	78,344
04-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	-2,348	-2,348
07-Oct-19	BlackRock Asset Management Deutschland AG	on mkt buy	8.79	ORD	4,524	4,524
07-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.79	ORD	13,008	13,008
07-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.79	ORD	13,008	13,008
07-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.79	ORD	744	744
07-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	-9,669	-9,669
07-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	4,686	4,686
07-Oct-19	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	-5,669	-5,669
08-Oct-19	BlackRock Fund Advisors	on mkt buy	8.74	ORD	3,038	3,038
08-Oct-19	BlackRock Investment Management (UK) Limited	on mkt sell	8.87	CFD	-1,410	-1,410
08-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.87	CFD	-2,820	-2,820
08-Oct-19	BlackRock Investment Management, LLC	on mkt sell	8.9	CFD	-41,430	-41,430
08-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	8.9	CFD	-1,410	-1,410
08-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.87	CFD	-4,230	-4,230
08-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.98	ORD	13,008	13,008
08-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	8.98	ORD	3,297	3,297
08-Oct-19	BlackRock Fund Advisors	on mkt buy	8.98	ORD	3,717	3,717
08-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	33,609	33,609
08-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	33,609	33,609
09-Oct-19	BlackRock Asset Management Deutschland AG	on mkt sell	9.03	ORD	-63,308	-63,308
09-Oct-19	BlackRock Investment Management, LLC	on mkt buy	9.02	CFD	50,220	50,220
09-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	9.03	CFD	50,220	50,220
09-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	9.02	CFD	-4,450	-4,450
09-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	9.02	CFD	-2,970	-2,970
09-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	9.03	ORD	6,504	6,504
10-Oct-19	BlackRock Fund Advisors	on mkt buy	8.97	ORD	10,367	10,367
10-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	8.97	ORD	1,432	1,432
10-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.96	ORD	6,503	6,503
11-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.95	ORD	-2,296	-2,296
11-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.95	ORD	-6,403	-6,403
11-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.97	ORD	6,503	6,503
11-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	4,260	4,260
11-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	4,260	4,260
11-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	8,520	8,520
14-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	17,600	17,600
14-Oct-19	BlackRock Fund Advisors	on mkt buy	8.92	ORD	10,000	10,000

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
14-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.85	ORD	13,008	13,008
14-Oct-19	BlackRock Investment Management, LLC	on mkt sell	8.85	ORD	-3,023	-3,023
14-Oct-19	BlackRock Asset Management Deutschland AG	on mkt sell	8.85	ORD	-20,301	-20,301
15-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	1,042	1,042
15-Oct-19	BlackRock Fund Advisors	on mkt buy	8.75	ORD	20,000	20,000
15-Oct-19	BlackRock Fund Advisors	on mkt buy	8.78	ORD	1,456	1,456
15-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.75	ORD	19,512	19,512
15-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.75	ORD	744	744
16-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.67	ORD	-363	-363
16-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.67	ORD	6,505	6,505
16-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.67	ORD	19,515	19,515
17-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	-22,406	-22,406
17-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.55	ORD	6,505	6,505
18-Oct-19	BlackRock Fund Advisors	on mkt buy	8.49	ORD	1,543	1,543
18-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	8.48	CFD	35,030	35,030
18-Oct-19	BlackRock Fund Advisors	on mkt sell	8.45	ORD	-597,409	-597,409
18-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	8.45	ORD	-507,887	-507,887
18-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	8.45	ORD	-27,495	-27,495
18-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.45	ORD	-4,094	-4,094
21-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.42	ORD	10,976	10,976
21-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	8.42	ORD	-21,952	-21,952
22-Oct-19	BlackRock Asset Management Deutschland AG	on mkt buy	8.52	ORD	9,004	9,004
22-Oct-19	BlackRock Fund Advisors	on mkt buy	8.47	ORD	1,589	1,589
23-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.72	CFD	-3,840	-3,840
23-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.73	CFD	96,150	96,150
23-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	7.69	ORD	16,479	16,479
24-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.69	ORD	6,746	6,746
24-Oct-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-21,185	-21,185
25-Oct-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.67	ORD	9,020	9,020
25-Oct-19	BlackRock Investment Management, LLC	on mkt buy	7.70	CFD	63,399	63,399
25-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.69	CFD	92,032	92,032
28-Oct-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.67	ORD	4,510	4,510
28-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	1,044	1,044
29-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	523	523
30-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,932	18,932
31-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	3,144	3,144
31-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	7.38	ORD	-54,950	-54,950
31-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	7.38	ORD	744	744
01-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	1,587	1,587
01-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.21	ORD	-54,970	-54,970
01-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.21	ORD	-32,982	-32,982
01-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	7.21	ORD	18,526	18,526
01-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	2,715	2,715
01-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	16,450	16,450
04-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.23	ORD	9,026	9,026
04-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.23	ORD	-54,970	-54,970
04-Nov-19	BlackRock Fund Advisors	on mkt buy	7.23	ORD	3,892	3,892
05-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.25	ORD	-21,988	-21,988
05-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	7.25	ORD	16,491	16,491
05-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	-22,251	-22,251
05-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	-28,431	-28,431

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
06-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.33	ORD	4,515	4,515
06-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.26	CFD	-4,380	-4,380
06-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.23	CFD	-6,570	-6,570
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.34	CFD	-6,510	-6,510
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.34	CFD	-4,340	-4,340
07-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.33	CFD	-2,170	-2,170
07-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	10,393	10,393
07-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	13,600	13,600
07-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.34	ORD	-203,426	-203,426
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.34	ORD	32,425	32,425
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	4,352	4,352
08-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.24	CFD	-2,180	-2,180
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.24	CFD	-6,550	-6,550
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.24	CFD	-4,370	-4,370
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	89,004	89,004
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	10,880	10,880
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	44,502	44,502
08-Nov-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-18,434	-18,434
08-Nov-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-28,949	-28,949
11-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,381	18,381
11-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	7.24	ORD	5,498	5,498
12-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.15	ORD	4,517	4,517
12-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	19,512	19,512
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.16	CFD	-7,310	-7,310
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.18	CFD	-4,870	-4,870
12-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.18	CFD	-2,430	-2,430
13-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	8,265	8,265
13-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.03	CFD	-4,750	-4,750
13-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.00	CFD	-7,130	-7,130
13-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.95	ORD	924	924
13-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	-56,862	-56,862
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.94	CFD	-7,340	-7,340
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.94	CFD	-4,890	-4,890
14-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.93	ORD	10,868	10,868
14-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.93	ORD	9,240	9,240
14-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	22,251	22,251
14-Nov-19	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	-2,759	-2,759
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.91	CFD	-7,740	-7,740
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.91	CFD	-5,160	-5,160
15-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.91	ORD	16,302	16,302
15-Nov-19	BlackRock Advisors (UK) Limited	in specie	n/a	ORD	-3,650	-3,650
18-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	6.80	ORD	4,519	4,519

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18-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	6.80	ORD	4,519	4,519
18-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	5,570	5,570
18-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.80	ORD	-4,424	-4,424
19-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	17,408	17,408
19-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	6.81	CFD	-2,420	-2,420
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.81	CFD	-7,280	-7,280
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.81	CFD	-4,850	-4,850
20-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.68	CFD	-4,800	-4,800
20-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.68	CFD	-7,210	-7,210
20-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	6.68	CFD	-2,400	-2,400
20-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.69	ORD	16,302	16,302
20-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.68	ORD	924	924
20-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.68	ORD	924	924
20-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	1,174	1,174
22-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.87	CFD	-4,750	-4,750
22-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.87	CFD	-45,840	-45,840
22-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	6.87	CFD	-2,840	-2,840
22-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.87	CFD	-5,680	-5,680
22-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	7,085	7,085
25-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.84	ORD	10,866	10,866
25-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	-22,251	-22,251
26-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.06	ORD	4,519	4,519
26-Nov-19	BlackRock Fund Advisors	on mkt buy	7.06	ORD	324,085	324,085
26-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.06	ORD	-7,257	-7,257
26-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.06	ORD	11,370	11,370
26-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.06	ORD	-14,756	-14,756
26-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.06	ORD	-1,888	-1,888
26-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	16,450	16,450
27-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.01	ORD	9,040	9,040
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	-27,017	-27,017
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	32,900	32,900
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	16,450	16,450
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	8,704	8,704
28-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.06	ORD	4,518	4,518
28-Nov-19	BlackRock Investment Management (UK) Limited	on mkt buy	7.05	ORD	15,924	15,924
29-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	21,752	21,752
29-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	5,438	5,438
29-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	13,160	13,160
02-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.10	ORD	9,038	9,038
02-Dec-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-265,117	-265,117
03-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.10	ORD	10,874	10,874
03-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	-54,034	-54,034
03-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.01	ORD	4,309	4,309
03-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	16,455	16,455
04-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.19	ORD	5,437	5,437

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
04-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	6,582	6,582
04-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	13,164	13,164
05-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.19	ORD	9,032	9,032
05-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.22	ORD	10,872	10,872
05-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	13,168	13,168
05-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	47,385	47,385
06-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.22	CFD	-2,350	-2,350
06-Dec-19	BlackRock Fund Advisors	on mkt sell	7.23	ORD	-5,880	-5,880
06-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,954	18,954
09-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.20	ORD	4,515	4,515
09-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	10,872	10,872
09-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	9,477	9,477
09-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	9,873	9,873
09-Dec-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-174,726	-174,726
10-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.25	ORD	9,030	9,030
10-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.25	CFD	-1,600	-1,600
10-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.25	CFD	-693	-693
10-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.25	ORD	21,744	21,744
10-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	19,752	19,752
11-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.20	ORD	4,516	4,516
11-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.20	CFD	-3,440	-3,440
11-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.20	CFD	-4,420	-4,420
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.20	CFD	-2,240	-2,240
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	10,872	10,872
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	16,308	16,308
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	861	861
11-Dec-19	BlackRock Asset Management North Asia Limited	in specie	n/a	ORD	-1,856	-1,856
12-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.20	CFD	-2,130	-2,130
13-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.24	ORD	4,516	4,516
13-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.22	CFD	-5,470	-5,470
13-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.22	CFD	-36,920	-36,920
13-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.22	CFD	-5,140	-5,140
13-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.22	CFD	-3,120	-3,120
13-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.22	CFD	-1,000	-1,000
13-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.24	ORD	48,924	48,924
13-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	-26,926	-26,926
16-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	-4,512	-4,512
16-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.23	ORD	23,832	23,832
17-Dec-19	BlackRock Fund Advisors	on mkt sell	7.18	ORD	-5,820	-5,820
17-Dec-19	BlackRock Fund Advisors	on mkt sell	7.18	ORD	-33,682	-33,682
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.18	ORD	-34,220	-34,220
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.14	ORD	10,872	10,872
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.14	ORD	10,872	10,872
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.14	ORD	25,092	25,092
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.14	ORD	1,722	1,722
17-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	28,218	28,218
18-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.22	ORD	63,238	63,238
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.21	CFD	-5,280	-5,280
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.21	CFD	-6,339	-6,339

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18-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.21	CFD	-23,316	-23,316
18-Dec-19	BlackRock Fund Advisors	on mkt buy	7.22	ORD	4,323	4,323
18-Dec-19	BlackRock Fund Advisors	on mkt buy	7.22	ORD	1,852	1,852
18-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	CFD	3,372	3,372
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	CFD	926	926
19-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.15	ORD	10,872	10,872
19-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.15	ORD	-2,404	-2,404
19-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
20-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.15	ORD	18,072	18,072
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.18	CFD	2,704	2,704
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	ORD	39,820	39,820
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.15	ORD	7,796	7,796
20-Dec-19	BlackRock Asset Management Canada Limited	on mkt sell	7.15	ORD	-6,115	-6,115
20-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	47,090	47,090
23-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	-6,116	-6,116
23-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.17	CFD	10,027	10,027
23-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	7.17	CFD	1,912	1,912
23-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.18	CFD	1,691	1,691
23-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.16	ORD	1,722	1,722
23-Dec-19	BlackRock Fund Advisors	on mkt buy	7.16	ORD	2,206	2,206
23-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
24-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	12,581	12,581
24-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.14	ORD	-3,244	-3,244
24-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
26-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
27-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
27-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
30-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.17	ORD	22,590	22,590
30-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	7.16	CFD	533	533
30-Dec-19	BLACKROCK ADVISORS, LLC	on mkt buy	7.16	CFD	5,961	5,961
30-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	CFD	5,994	5,994
30-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	CFD	1,628	1,628
30-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	5,450	5,450
30-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	861	861
30-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	16,350	16,350
30-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	861	861
31-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.15	ORD	10,898	10,898
31-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.13	ORD	1,478	1,478
31-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
03-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.17	ORD	4,519	4,519
03-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.17	CFD	10,713	10,713
03-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.17	CFD	2,859	2,859
03-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.17	CFD	941	941

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
03-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.17	CFD	6,659	6,659
03-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	10,906	10,906
03-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	5,453	5,453
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	CFD	5,598	5,598
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	CFD	975	975
06-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.15	CFD	3,545	3,545
06-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.15	CFD	648	648
06-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.15	ORD	16,365	16,365
06-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
06-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,458	6,458
07-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.12	ORD	9,038	9,038
07-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.13	CFD	1,761	1,761
07-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.13	CFD	1,166	1,166
07-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.13	CFD	5,820	5,820
07-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.13	CFD	9,684	9,684
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.14	ORD	43,632	43,632
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.12	ORD	5,454	5,454
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.12	ORD	21,816	21,816
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.12	ORD	861	861
07-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
08-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.10	ORD	9,038	9,038
08-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.11	CFD	4,120	4,120
08-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.11	CFD	500	500
08-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.10	ORD	10,908	10,908
08-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.10	ORD	27,270	27,270
08-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	4,220	4,220
08-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	12,916	12,916
08-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
09-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.13	ORD	9,038	9,038
09-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.13	CFD	13,038	13,038
09-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.13	CFD	1,107	1,107
09-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.13	CFD	2,549	2,549
09-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.13	CFD	9,095	9,095
09-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.13	ORD	10,908	10,908
09-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.13	ORD	54,540	54,540
09-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.13	ORD	1,722	1,722
09-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
10-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.19	CFD	508	508
10-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.19	CFD	5,126	5,126
10-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	CFD	10,135	10,135
10-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	CFD	1,622	1,622
10-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.21	ORD	861	861
10-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.21	ORD	59,994	59,994
10-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	19,374	19,374
13-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.23	ORD	13,563	13,563
13-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.23	ORD	21,816	21,816

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13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt sell	7.23	ORD	-1,987	-1,987
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.38	CFD	9,023	9,023
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.38	CFD	1,681	1,681
14-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.38	CFD	880	880
14-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.38	CFD	6,962	6,962
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.37	ORD	38,178	38,178
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.43	ORD	10,908	10,908
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.43	ORD	861	861
14-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	16,150	16,150
15-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.34	ORD	13,560	13,560
15-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.36	CFD	2,067	2,067
15-Jan-20	BlackRock Investment Management (UK) Limited	on mkt sell	7.38	CFD	-1,510	-1,510
15-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.34	ORD	10,908	10,908
15-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	19,452	19,452
15-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
15-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
16-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.55	ORD	4,518	4,518
16-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.55	ORD	9,036	9,036
16-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	4,009	4,009
16-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.51	ORD	16,362	16,362
16-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	21,816	21,816
16-Jan-20	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	-1,662	-1,662
16-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	2,532	2,532
16-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
16-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
17-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.55	ORD	9,038	9,038
17-Jan-20	BlackRock Fund Advisors	on mkt buy	7.65	ORD	28,254	28,254
17-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.62	CFD	481	481
17-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.62	CFD	648	648
17-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.62	CFD	3,589	3,589
17-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	32,724	32,724
17-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.62	ORD	10,908	10,908
17-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	861	861
17-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	2,583	2,583
17-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	10,908	10,908
17-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
20-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.35	ORD	40,644	40,644
20-Jan-20	BlackRock Asset Management Canada Limited	in specie	n/a	ORD	-879	-879
21-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.55	ORD	9,038	9,038
21-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	5,453	5,453
21-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	21,812	21,812
21-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.52	ORD	43,624	43,624
21-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	109,060	109,060
21-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	37,672	37,672
21-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
21-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254

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22-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.42	ORD	9,042	9,042
22-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.42	CFD	5,734	5,734
22-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,552	6,552
22-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.43	CFD	936	936
22-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.42	CFD	3,919	3,919
22-Jan-20	BlackRock Investment Management (UK) Limited	on mkt sell	7.40	CFD	-1,980	-1,980
22-Jan-20	BlackRock Investment Management (UK) Limited	on mkt sell	7.41	CFD	-80	-80
22-Jan-20	BlackRock Investment Management (UK) Limited	on mkt sell	7.40	CFD	-120	-120
22-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	10,906	10,906
22-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	32,718	32,718
22-Jan-20	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	179,957	179,957
22-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	12,872	12,872
22-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
23-Jan-20	BlackRock Investment Management (UK) Limited	on mkt sell	7.45	CFD	-2,130	-2,130
23-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.45	ORD	10,906	10,906
23-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.45	ORD	38,171	38,171
23-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
23-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
23-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
24-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.48	CFD	5,604	5,604
24-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.48	CFD	1,101	1,101
24-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.48	CFD	102	102
24-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.48	CFD	4,251	4,251
24-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.49	ORD	10,906	10,906
24-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.48	ORD	861	861
24-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.48	ORD	109,060	109,060
24-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	16,140	16,140
24-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,830	18,830
24-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	26,900	26,900
24-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
24-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
27-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.51	ORD	21,812	21,812
27-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.50	ORD	103,607	103,607
28-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.40	ORD	9,038	9,038
28-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.40	ORD	9,038	9,038
28-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	5,560	5,560
28-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	32,712	32,712
28-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.40	ORD	109,040	109,040
28-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.40	ORD	218,080	218,080
28-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,576	6,576
28-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
29-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	8,220	8,220
29-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.43	ORD	54,520	54,520
29-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	5,452	5,452
29-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	32,712	32,712
29-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	98,136	98,136
29-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
29-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
29-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	8,220	8,220
30-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	8,220	8,220
30-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.44	ORD	163,560	163,560

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
30-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	14,796	14,796
30-Jan-20	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	221,700	221,700
31-Jan-20	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	1,839	1,839
31-Jan-20	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	5,495	5,495
31-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.44	ORD	109,040	109,040
31-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.44	ORD	26,263	26,263
31-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.44	ORD	21,643	21,643
03-Feb-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.26	ORD	13,560	13,560
03-Feb-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.36	ORD	209	209
03-Feb-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.38	ORD	378,319	378,319
03-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254

Parties to the Derivative			
Investment Manager / Agent	Fund	On Behalf of	Counterparty
BLACKROCK INSTITUTIONAL TRUST CO NA	32 Capital Fund - GELS - CITI		CITBK
BLACKROCK INSTITUTIONAL TRUST CO NA	32 Capital Fund - GELS - UBS		UBS AG
BLACKROCK INSTITUTIONAL TRUST CO NA	Black Pearl Risk Premia LLC- CS		Credit Suisse
BLACKROCK INSTITUTIONAL TRUST CO NA	Black Pearl Risk Premia LLC- Citi		CITBK
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF Total Advantage Fund CS		Credit Suisse
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF Total Advantage Fund Citi		CITBK
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF Total Advantage Fund JPM		JP Morgan
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF Total Advantage Fund BAML		MERRILL LYNCH INTERNATIONAL
BLACKROCK INSTITUTIONAL TRUST CO NA	Global Alpha Opportunities Equity Fund Ltd. - BAML		MERRILL LYNCH INTERNATIONAL
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF - BlackRock Global Long/Short Equity Fund - US Large Cap Strat - ML		MERRILL LYNCH INTERNATIONAL
BLACKROCK INSTITUTIONAL TRUST CO NA	GMN B Fund - Europe - Mid Horizon - Citi		CITBK
BLACKROCK INSTITUTIONAL TRUST CO NA	GMN B Fund - Europe - Mid Horizon - UBS		UBS AG
BLACKROCK ADVISORS LLC	BlackRock Global Long/Short Equity Fund - US Large Cap - BAML		MERRILL LYNCH INTERNATIONAL
BLACKROCK INSTITUTIONAL TRUST CO NA	Style Advantage - CS		Credit Suisse
BLACKROCK INSTITUTIONAL TRUST CO NA	Style Advantage-Citi		CITBK
BLACKROCK INSTITUTIONAL TRUST CO NA	Style Advantage -JPM		JP Morgan
BLACKROCK INSTITUTIONAL TRUST CO NA	Style Advantage - ML		MERRILL LYNCH INTERNATIONAL
BLACKROCK INSTITUTIONAL TRUST CO NA	BlackRock Style Advantage Collective Fund - CS		Credit Suisse International
BLACKROCK INSTITUTIONAL TRUST CO NA	BlackRock Style Advantage Collective Fund - Citi		CITBK
BLACKROCK INSTITUTIONAL TRUST CO NA	BlackRock Style Advantage Collective Fund - JPM		JP Morgan
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - Barclays		BARCLAYS BANK PLC
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - CS		Credit Suisse
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - Citi		CITBK
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - GS		Goldman Sachs Intl
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - HSBC		HSBBK
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - JPM		JP Morgan
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - ML		MERRILL LYNCH INTERNATIONAL
BLACKROCK ADVISORS (UK) LIMITED	BlackRock Multi Style Strategy Fund - CS		Credit Suisse
BLACKROCK ADVISORS (UK) LIMITED	BlackRock Multi Style Strategy Fund - Citi		CITBK
BLACKROCK ADVISORS (UK) LIMITED	BlackRock Multi Style Strategy Fund - JPM		JP Morgan
BLACKROCK ADVISORS (UK) LIMITED	BlackRock Multi Style Strategy Fund - ML		MERRILL LYNCH INTERNATIONAL

Disclosure of beginning to have substantial holding

Section 276, Financial Markets Conduct Act 2013

To: New Zealand Stock Exchange
and

To: Contact Energy Ltd.

Date this disclosure made: 07 February 2020

Date on which substantial holding began: 05 February 2020

Substantial product holder(s) giving disclosure

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

Summary of substantial holding

Class of quoted voting products: Ordinary Shares

Summary for: Product holders listed in Appendix A

For this disclosure,—

(a) total number held in class: 36,415,941 Ord

(b) total in class: 718,077,598

(c) total percentage held in class: 5.071%

Details of relevant interests

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 139.

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): Refer to Appendix A

(d) registered holder(s) once transfers are registered: Not applicable

For a derivative relevant interest, also—

(a) type of derivative: **Contract for Difference**

- (b) details of derivative: *[specify details required by the instructions to this form]*
- Notional number of underlying shares: 4,182,978
 - 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

Details of transactions and events giving rise to substantial holding

Details of the transactions or other events requiring disclosure: Refer to Appendix B

Additional information

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

Contact details: Maria Tricarico, Tel +1-302-797-3901, Email:
Maria.tricarico@blackrock.com

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

Name of any other person believed to have given, or believed to be required to give, a disclosure under the Financial Markets Conduct Act 2013 in relation to the financial products to which this disclosure relates: Not applicable.

Certification

I, Maria Tricarico, 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 by all persons for whom it is made.

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	96,418	0.013%	subsidiary of BlackRock Inc.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
BlackRock (Singapore) Limited	ORD	NZD	46,859	0.007%	subsidiary of BlackRock Inc.	20 Anson Road #18-01 079912 Singapore
BlackRock Advisors (UK) Limited	ORD	NZD	5,879,591	0.819%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BLACKROCK ADVISORS, LLC	CFD	NZD	51,338	0.007%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BLACKROCK ADVISORS, LLC	ORD	NZD	20,434	0.003%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Asset Management Canada Limited	ORD	NZD	227,513	0.032%	subsidiary of BlackRock Inc.	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management Deutschland AG	ORD	NZD	4,376,040	0.609%	subsidiary of BlackRock Inc.	Max-Joseph-Straße 6 D-80333 Munich, Germany
BlackRock Asset Management North Asia Limited	ORD	NZD	1,056	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	212,104	0.030%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Fund Advisors	ORD	NZD	12,686,202	1.767%	subsidiary of BlackRock Inc.	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	CFD	NZD	2,575,200	0.359%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Institutional Trust Company, National Association	ORD	NZD	5,643,821	0.786%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Investment Management (Australia) Limited	ORD	NZD	13,177	0.002%	subsidiary of BlackRock Inc.	Level 26, 101 Collins Street Melbourne VIC 3000
BlackRock Investment Management (UK) Limited	CFD	NZD	12,201	0.002%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL
BlackRock Investment Management (UK) Limited	ORD	NZD	2,959,679	0.412%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL
BlackRock Investment Management, LLC	CFD	NZD	1,544,239	0.215%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle
BlackRock Investment Management, LLC	ORD	NZD	5,816	0.001%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle
BlackRock Japan Co., Ltd.	ORD	NZD	64,253	0.009%	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
07-Oct-19	BlackRock Asset Management Deutschland AG	on mkt buy	8.79	ORD	4,524	4,524
07-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.79	ORD	13,008	13,008
07-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.79	ORD	13,008	13,008
07-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.79	ORD	744	744
07-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	-9,669	-9,669
07-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	4,686	4,686
07-Oct-19	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	-5,669	-5,669
08-Oct-19	BlackRock Fund Advisors	on mkt buy	8.74	ORD	3,038	3,038
08-Oct-19	BlackRock Investment Management (UK) Limited	on mkt sell	8.87	CFD	-1,410	-1,410
08-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.87	CFD	-2,820	-2,820
08-Oct-19	BlackRock Investment Management, LLC	on mkt sell	8.9	CFD	-41,430	-41,430
08-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	8.90	CFD	-1,410	-1,410
08-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.87	CFD	-4,230	-4,230
08-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.98	ORD	13,008	13,008
08-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	8.98	ORD	3,297	3,297
08-Oct-19	BlackRock Fund Advisors	on mkt buy	8.98	ORD	3,717	3,717
08-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	33,609	33,609
08-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	33,609	33,609
09-Oct-19	BlackRock Asset Management Deutschland AG	on mkt sell	9.03	ORD	-63,308	-63,308
09-Oct-19	BlackRock Investment Management, LLC	on mkt buy	9.02	CFD	50,220	50,220
09-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	9.03	CFD	50,220	50,220
09-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	9.02	CFD	-4,450	-4,450
09-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	9.02	CFD	-2,970	-2,970
09-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	9.03	ORD	6,504	6,504
10-Oct-19	BlackRock Fund Advisors	on mkt buy	8.97	ORD	10,367	10,367
10-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	8.97	ORD	1,432	1,432
10-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.96	ORD	6,503	6,503
11-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.95	ORD	-2,296	-2,296
11-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.95	ORD	-6,403	-6,403
11-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.97	ORD	6,503	6,503
11-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	4,260	4,260
11-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	4,260	4,260
11-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	8,520	8,520
14-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	17,600	17,600
14-Oct-19	BlackRock Fund Advisors	on mkt buy	8.92	ORD	10,000	10,000
14-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.85	ORD	13,008	13,008

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
14-Oct-19	BlackRock Investment Management, LLC	on mkt sell	8.85	ORD	-3,023	-3,023
14-Oct-19	BlackRock Asset Management Deutschland AG	on mkt sell	8.85	ORD	-20,301	-20,301
15-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	1,042	1,042
15-Oct-19	BlackRock Fund Advisors	on mkt buy	8.75	ORD	20,000	20,000
15-Oct-19	BlackRock Fund Advisors	on mkt buy	8.78	ORD	1,456	1,456
15-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.75	ORD	19,512	19,512
15-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.75	ORD	744	744
16-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.67	ORD	-363	-363
16-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.67	ORD	6,505	6,505
16-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.67	ORD	19,515	19,515
17-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	-22,406	-22,406
17-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.55	ORD	6,505	6,505
18-Oct-19	BlackRock Fund Advisors	on mkt buy	8.49	ORD	1,543	1,543
18-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	8.48	CFD	35,030	35,030
18-Oct-19	BlackRock Fund Advisors	on mkt sell	8.45	ORD	-597,409	-597,409
18-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	8.45	ORD	-507,887	-507,887
18-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	8.45	ORD	-27,495	-27,495
18-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	8.45	ORD	-4,094	-4,094
21-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	8.42	ORD	10,976	10,976
21-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	8.42	ORD	-21,952	-21,952
22-Oct-19	BlackRock Asset Management Deutschland AG	on mkt buy	8.52	ORD	9,004	9,004
22-Oct-19	BlackRock Fund Advisors	on mkt buy	8.47	ORD	1,589	1,589
23-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.72	CFD	-3,840	-3,840
23-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.73	CFD	96,150	96,150
23-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	7.69	ORD	16,479	16,479
24-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.69	ORD	6,746	6,746
24-Oct-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-21,185	-21,185
25-Oct-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.67	ORD	9,020	9,020
25-Oct-19	BlackRock Investment Management, LLC	on mkt buy	7.70	CFD	63,399	63,399
25-Oct-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.69	CFD	92,032	92,032
28-Oct-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.67	ORD	4,510	4,510
28-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	1,044	1,044

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
29-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	523	523
30-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,932	18,932
31-Oct-19	BlackRock Fund Advisors	in specie	n/a	ORD	3,144	3,144
31-Oct-19	BlackRock Advisors (UK) Limited	on mkt sell	7.38	ORD	-54,950	-54,950
31-Oct-19	BlackRock Advisors (UK) Limited	on mkt buy	7.38	ORD	744	744
01-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	1,587	1,587
01-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.21	ORD	-54,970	-54,970
01-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.21	ORD	-32,982	-32,982
01-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	7.21	ORD	18,526	18,526
01-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	2,715	2,715
01-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	16,450	16,450
04-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.23	ORD	9,026	9,026
04-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.23	ORD	-54,970	-54,970
04-Nov-19	BlackRock Fund Advisors	on mkt buy	7.23	ORD	3,892	3,892
05-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.25	ORD	-21,988	-21,988
05-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	7.25	ORD	16,491	16,491
05-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	-22,251	-22,251
05-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	-28,431	-28,431
06-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.33	ORD	4,515	4,515
06-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.26	CFD	-4,380	-4,380
06-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.23	CFD	-6,570	-6,570
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.34	CFD	-6,510	-6,510
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.34	CFD	-4,340	-4,340
07-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.33	CFD	-2,170	-2,170
07-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	10,393	10,393
07-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	13,600	13,600
07-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.34	ORD	-203,426	-203,426
07-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.34	ORD	32,425	32,425
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	4,352	4,352
08-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.24	CFD	-2,180	-2,180
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.24	CFD	-6,550	-6,550
08-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.24	CFD	-4,370	-4,370

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	89,004	89,004
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	10,880	10,880
08-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	44,502	44,502
08-Nov-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-18,434	-18,434
08-Nov-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-28,949	-28,949
11-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,381	18,381
11-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	7.24	ORD	5,498	5,498
12-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.15	ORD	4,517	4,517
12-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	19,512	19,512
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.16	CFD	-7,310	-7,310
12-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.18	CFD	-4,870	-4,870
12-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.18	CFD	-2,430	-2,430
13-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	8,265	8,265
13-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.03	CFD	-4,750	-4,750
13-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.00	CFD	-7,130	-7,130
13-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.95	ORD	924	924
13-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	-56,862	-56,862
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.94	CFD	-7,340	-7,340
14-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.94	CFD	-4,890	-4,890
14-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.93	ORD	10,868	10,868
14-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.93	ORD	9,240	9,240
14-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	22,251	22,251
14-Nov-19	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	-2,759	-2,759
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.91	CFD	-7,740	-7,740
15-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.91	CFD	-5,160	-5,160
15-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.91	ORD	16,302	16,302
15-Nov-19	BlackRock Advisors (UK) Limited	in specie	n/a	ORD	-3,650	-3,650
18-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	6.80	ORD	4,519	4,519
18-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	6.80	ORD	4,519	4,519
18-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	5,570	5,570
18-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.80	ORD	-4,424	-4,424
19-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	17,408	17,408

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
19-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	6.81	CFD	-2,420	-2,420
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.81	CFD	-7,280	-7,280
19-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.81	CFD	-4,850	-4,850
20-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.68	CFD	-4,800	-4,800
20-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.68	CFD	-7,210	-7,210
20-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	6.68	CFD	-2,400	-2,400
20-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.69	ORD	16,302	16,302
20-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.68	ORD	924	924
20-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.68	ORD	924	924
20-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	1,174	1,174
22-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.87	CFD	-4,750	-4,750
22-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.87	CFD	-45,840	-45,840
22-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	6.87	CFD	-2,840	-2,840
22-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt sell	6.87	CFD	-5,680	-5,680
22-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	7,085	7,085
25-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	6.84	ORD	10,866	10,866
25-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	-22,251	-22,251
26-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.06	ORD	4,519	4,519
26-Nov-19	BlackRock Fund Advisors	on mkt buy	7.06	ORD	324,085	324,085
26-Nov-19	BlackRock Advisors (UK) Limited	on mkt sell	7.06	ORD	-7,257	-7,257
26-Nov-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.06	ORD	11,370	11,370
26-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.06	ORD	-14,756	-14,756
26-Nov-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.06	ORD	-1,888	-1,888
26-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	16,450	16,450
27-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.01	ORD	9,040	9,040
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	-27,017	-27,017
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	32,900	32,900
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	16,450	16,450
27-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	8,704	8,704
28-Nov-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.06	ORD	4,518	4,518
28-Nov-19	BlackRock Investment Management (UK) Limited	on mkt buy	7.05	ORD	15,924	15,924
29-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	21,752	21,752

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
29-Nov-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	5,438	5,438
29-Nov-19	BlackRock Fund Advisors	in specie	n/a	ORD	13,160	13,160
02-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.10	ORD	9,038	9,038
02-Dec-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-265,117	-265,117
03-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.10	ORD	10,874	10,874
03-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	-54,034	-54,034
03-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.01	ORD	4,309	4,309
03-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	16,455	16,455
04-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.19	ORD	5,437	5,437
04-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	6,582	6,582
04-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	13,164	13,164
05-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.19	ORD	9,032	9,032
05-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.22	ORD	10,872	10,872
05-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	13,168	13,168
05-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	47,385	47,385
06-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.22	CFD	-2,350	-2,350
06-Dec-19	BlackRock Fund Advisors	on mkt sell	7.23	ORD	-5,880	-5,880
06-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,954	18,954
09-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.20	ORD	4,515	4,515
09-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	10,872	10,872
09-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	9,477	9,477
09-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	9,873	9,873
09-Dec-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-174,726	-174,726
10-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.25	ORD	9,030	9,030
10-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.25	CFD	-1,600	-1,600
10-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.25	CFD	-693	-693
10-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.25	ORD	21,744	21,744
10-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	19,752	19,752
11-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.20	ORD	4,516	4,516
11-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.20	CFD	-3,440	-3,440
11-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.20	CFD	-4,420	-4,420
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.20	CFD	-2,240	-2,240

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	10,872	10,872
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	16,308	16,308
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	861	861
11-Dec-19	BlackRock Asset Management North Asia Limited	in specie	n/a	ORD	-1,856	-1,856
12-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.20	CFD	-2,130	-2,130
13-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.24	ORD	4,516	4,516
13-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.22	CFD	-5,470	-5,470
13-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.22	CFD	-36,920	-36,920
13-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.22	CFD	-5,140	-5,140
13-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.22	CFD	-3,120	-3,120
13-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.22	CFD	-1,000	-1,000
13-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.24	ORD	48,924	48,924
13-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	-26,926	-26,926
16-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	-4,512	-4,512
16-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.23	ORD	23,832	23,832
17-Dec-19	BlackRock Fund Advisors	on mkt sell	7.18	ORD	-5,820	-5,820
17-Dec-19	BlackRock Fund Advisors	on mkt sell	7.18	ORD	-33,682	-33,682
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.18	ORD	-34,220	-34,220
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.14	ORD	10,872	10,872
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.14	ORD	10,872	10,872
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.14	ORD	25,092	25,092
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.14	ORD	1,722	1,722
17-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	28,218	28,218
18-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.22	ORD	63,238	63,238
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.21	CFD	-5,280	-5,280
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.21	CFD	-6,339	-6,339
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.21	CFD	-23,316	-23,316
18-Dec-19	BlackRock Fund Advisors	on mkt buy	7.22	ORD	4,323	4,323
18-Dec-19	BlackRock Fund Advisors	on mkt buy	7.22	ORD	1,852	1,852
18-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	CFD	3,372	3,372
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	CFD	926	926

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
19-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.15	ORD	10,872	10,872
19-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.15	ORD	-2,404	-2,404
19-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
20-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.15	ORD	18,072	18,072
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.18	CFD	2,704	2,704
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	ORD	39,820	39,820
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.15	ORD	7,796	7,796
20-Dec-19	BlackRock Asset Management Canada Limited	on mkt sell	7.15	ORD	-6,115	-6,115
20-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	47,090	47,090
23-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	-6,116	-6,116
23-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.17	CFD	10,027	10,027
23-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	7.17	CFD	1,912	1,912
23-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.18	CFD	1,691	1,691
23-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.16	ORD	1,722	1,722
23-Dec-19	BlackRock Fund Advisors	on mkt buy	7.16	ORD	2,206	2,206
23-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
24-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	12,581	12,581
24-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	7.14	ORD	-3,244	-3,244
24-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
26-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
27-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
27-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
30-Dec-19	BlackRock Asset Management Deutschland AG	on mkt buy	7.17	ORD	22,590	22,590
30-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	7.16	CFD	533	533
30-Dec-19	BLACKROCK ADVISORS, LLC	on mkt buy	7.16	CFD	5,961	5,961
30-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	CFD	5,994	5,994
30-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	CFD	1,628	1,628
30-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	5,450	5,450
30-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	861	861
30-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	16,350	16,350
30-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	861	861
31-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.15	ORD	10,898	10,898

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
31-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	7.13	ORD	1,478	1,478
31-Dec-19	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
03-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.17	ORD	4,519	4,519
03-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.17	CFD	10,713	10,713
03-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.17	CFD	2,859	2,859
03-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.17	CFD	941	941
03-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.17	CFD	6,659	6,659
03-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	10,906	10,906
03-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.17	ORD	5,453	5,453
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	CFD	5,598	5,598
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	CFD	975	975
06-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.15	CFD	3,545	3,545
06-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.15	CFD	648	648
06-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.15	ORD	16,365	16,365
06-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
06-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,458	6,458
07-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.12	ORD	9,038	9,038
07-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.13	CFD	1,761	1,761
07-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.13	CFD	1,166	1,166
07-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.13	CFD	5,820	5,820
07-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.13	CFD	9,684	9,684
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.14	ORD	43,632	43,632
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.12	ORD	5,454	5,454
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.12	ORD	21,816	21,816
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.12	ORD	861	861
07-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
08-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.10	ORD	9,038	9,038
08-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.11	CFD	4,120	4,120
08-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.11	CFD	500	500
08-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.10	ORD	10,908	10,908
08-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.10	ORD	27,270	27,270
08-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	4,220	4,220

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
08-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	12,916	12,916
08-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
09-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.13	ORD	9,038	9,038
09-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.13	CFD	13,038	13,038
09-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.13	CFD	1,107	1,107
09-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.13	CFD	2,549	2,549
09-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.13	CFD	9,095	9,095
09-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.13	ORD	10,908	10,908
09-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.13	ORD	54,540	54,540
09-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.13	ORD	1,722	1,722
09-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
10-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.19	CFD	508	508
10-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.19	CFD	5,126	5,126
10-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	CFD	10,135	10,135
10-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	CFD	1,622	1,622
10-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.21	ORD	861	861
10-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.21	ORD	59,994	59,994
10-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	19,374	19,374
13-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.23	ORD	13,563	13,563
13-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.23	ORD	21,816	21,816
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt sell	7.23	ORD	-1,987	-1,987
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.38	CFD	9,023	9,023
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.38	CFD	1,681	1,681
14-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.38	CFD	880	880
14-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.38	CFD	6,962	6,962
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.37	ORD	38,178	38,178
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.43	ORD	10,908	10,908
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.43	ORD	861	861
14-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	16,150	16,150
15-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.34	ORD	13,560	13,560
15-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.36	CFD	2,067	2,067
15-Jan-20	BlackRock Investment Management (UK) Limited	on mkt sell	7.38	CFD	-1,510	-1,510

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
15-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.34	ORD	10,908	10,908
15-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	19,452	19,452
15-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
15-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
16-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.55	ORD	4,518	4,518
16-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.55	ORD	9,036	9,036
16-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	4,009	4,009
16-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.51	ORD	16,362	16,362
16-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	21,816	21,816
16-Jan-20	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	-1,662	-1,662
16-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	2,532	2,532
16-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
16-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
17-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.55	ORD	9,038	9,038
17-Jan-20	BlackRock Fund Advisors	on mkt buy	7.65	ORD	28,254	28,254
17-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	7.62	CFD	481	481
17-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.62	CFD	648	648
17-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.62	CFD	3,589	3,589
17-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	32,724	32,724
17-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.62	ORD	10,908	10,908
17-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	861	861
17-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	2,583	2,583
17-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	10,908	10,908
17-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
20-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.35	ORD	40,644	40,644
20-Jan-20	BlackRock Asset Management Canada Limited	in specie	n/a	ORD	-879	-879
21-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.55	ORD	9,038	9,038
21-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	5,453	5,453
21-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	21,812	21,812
21-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.52	ORD	43,624	43,624
21-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.55	ORD	109,060	109,060
21-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	37,672	37,672

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
21-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
21-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
22-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.42	ORD	9,042	9,042
22-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.42	CFD	5,734	5,734
22-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,552	6,552
22-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.43	CFD	936	936
22-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.42	CFD	3,919	3,919
22-Jan-20	BlackRock Investment Management (UK) Limited	on mkt sell	7.40	CFD	-1,980	-1,980
22-Jan-20	BlackRock Investment Management (UK) Limited	on mkt sell	7.41	CFD	-80	-80
22-Jan-20	BlackRock Investment Management (UK) Limited	on mkt sell	7.40	CFD	-120	-120
22-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	10,906	10,906
22-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	32,718	32,718
22-Jan-20	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	179,957	179,957
22-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	12,872	12,872
22-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
23-Jan-20	BlackRock Investment Management (UK) Limited	on mkt sell	7.45	CFD	-2,130	-2,130
23-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.45	ORD	10,906	10,906
23-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.45	ORD	38,171	38,171
23-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
23-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
23-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
24-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.48	CFD	5,604	5,604
24-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.48	CFD	1,101	1,101
24-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.48	CFD	102	102
24-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.48	CFD	4,251	4,251
24-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.49	ORD	10,906	10,906
24-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.48	ORD	861	861
24-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.48	ORD	109,060	109,060
24-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	16,140	16,140
24-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,830	18,830
24-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	26,900	26,900
24-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
24-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,418	9,418
27-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.51	ORD	21,812	21,812
27-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.50	ORD	103,607	103,607
28-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.40	ORD	9,038	9,038
28-Jan-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.40	ORD	9,038	9,038
28-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	5,560	5,560
28-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	32,712	32,712
28-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.40	ORD	109,040	109,040
28-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.40	ORD	218,080	218,080
28-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,576	6,576
28-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
29-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	8,220	8,220
29-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.43	ORD	54,520	54,520
29-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	5,452	5,452
29-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	32,712	32,712
29-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	98,136	98,136
29-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	18,836	18,836
29-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
29-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	8,220	8,220
30-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	8,220	8,220
30-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.44	ORD	163,560	163,560
30-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	14,796	14,796
31-Jan-20	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	1,839	1,839
31-Jan-20	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	5,495	5,495
31-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	7.44	ORD	109,040	109,040
31-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.44	ORD	26,263	26,263
31-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.44	ORD	21,643	21,643
03-Feb-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.26	ORD	13,560	13,560
03-Feb-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.36	ORD	209	209
03-Feb-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.38	ORD	378,319	378,319
03-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
03-Feb-20	BlackRock Asset Management Canada Limited	in specie	n/a	ORD	-855	-855

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
04-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,780	6,780
04-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.16	ORD	16,356	16,356
04-Feb-20	BlackRock Institutional Trust Company, National Association	on mkt buy	7.16	ORD	1,161	1,161
04-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	5,300	5,300
04-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	8,904	8,904
04-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	8,480	8,480
05-Feb-20	BlackRock Asset Management Deutschland AG	on mkt buy	7.20	ORD	9,044	9,044
05-Feb-20	BlackRock Fund Advisors	on mkt buy	7.20	ORD	169,466	169,466
05-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	190,253	190,253
05-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	85,200	85,200
05-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	193,120	193,120
05-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	-52,926	-52,926
05-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	19,630	19,630
05-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	19,630	19,630
05-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445

Parties to the Derivative			
Investment Manager / Agent	Fund	On Behalf of	Counterparty
BLACKROCK INSTITUTIONAL TRUST CO NA	32 Capital Fund - GELS - CITI		CITBK
BLACKROCK INSTITUTIONAL TRUST CO NA	32 Capital Fund - GELS - UBS		UBS AG
BLACKROCK INSTITUTIONAL TRUST CO NA	Black Pearl Risk Premia LLC- CS		Credit Suisse
BLACKROCK INSTITUTIONAL TRUST CO NA	Black Pearl Risk Premia LLC- Citi		CITBK
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF Total Advantage Fund CS		Credit Suisse
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF Total Advantage Fund Citi		CITBK
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF Total Advantage Fund JPM		JP Morgan
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF Total Advantage Fund BAML		MERRILL LYNCH INTERNATIONAL
BLACKROCK INSTITUTIONAL TRUST CO NA	Global Alpha Opportunities Equity Fund Ltd. - BAML		MERRILL LYNCH INTERNATIONAL
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF - BlackRock Global Long/Short Equity Fund - US Large Cap Strat - ML		MERRILL LYNCH INTERNATIONAL
BLACKROCK INSTITUTIONAL TRUST CO NA	GMN B Fund - Europe - Mid Horizon - Citi		CITBK
BLACKROCK INSTITUTIONAL TRUST CO NA	GMN B Fund - Europe - Mid Horizon - UBS		UBS AG
BLACKROCK ADVISORS LLC	BlackRock Global Long/Short Equity Fund - US Large Cap - BAML		MERRILL LYNCH INTERNATIONAL
BLACKROCK INSTITUTIONAL TRUST CO NA	Style Advantage - CS		Credit Suisse
BLACKROCK INSTITUTIONAL TRUST CO NA	Style Advantage-Citi		CITBK
BLACKROCK INSTITUTIONAL TRUST CO NA	Style Advantage -JPM		JP Morgan
BLACKROCK INSTITUTIONAL TRUST CO NA	Style Advantage - ML		MERRILL LYNCH INTERNATIONAL
BLACKROCK INSTITUTIONAL TRUST CO NA	BlackRock Style Advantage Collective Fund - CS		Credit Suisse International
BLACKROCK INSTITUTIONAL TRUST CO NA	BlackRock Style Advantage Collective Fund - Citi		CITBK
BLACKROCK INSTITUTIONAL TRUST CO NA	BlackRock Style Advantage Collective Fund - JPM		JP Morgan
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - Barclays		BARCLAYS BANK PLC
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - CS		Credit Suisse
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - Citi		CITBK
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - GS		Goldman Sachs Intl
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - HSBC		HSBBK
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - JPM		JP Morgan
BLACKROCK INVESTMENT MANAGEMENT LLC	BSF BlackRock Style Advantage Fund - ML		MERRILL LYNCH INTERNATIONAL
BLACKROCK ADVISORS (UK) LIMITED	BlackRock Multi Style Strategy Fund - CS		Credit Suisse
BLACKROCK ADVISORS (UK) LIMITED	BlackRock Multi Style Strategy Fund - Citi		CITBK
BLACKROCK ADVISORS (UK) LIMITED	BlackRock Multi Style Strategy Fund - JPM		JP Morgan
BLACKROCK ADVISORS (UK) LIMITED	BlackRock Multi Style Strategy Fund - ML		MERRILL LYNCH INTERNATIONAL