

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: 25 August 2022

Date on which substantial holding began: 23 August 2022

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: 39,037,308 Ord
- (b) total in class: 780,638,303
- (c) total percentage held in class: 5.001%

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:

- Notional number of underlying shares: 882,580
- 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: Shawna Reese, Tel +1 302-793-7164, Email:
shawna.reese@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, Shawna Reese, 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.

Holder of Relevant Interests	Total Held in Class				Nature of Association	Address
	Class	CCY	Number of Securities	%		
APERIO GROUP LLC	ORD	NZD	19,671	0.003%	subsidiary of BlackRock Inc.	2710 Gateway Oaks Drive, Suite 150N, Sacramento, CA 95833-3505
BlackRock Advisors (UK) Limited	ORD	NZD	5,668,183	0.726%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	CFD	NZD	150,128	0.019%	subsidiary of BlackRock Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Advisors, LLC	ORD	NZD	52,370	0.007%	subsidiary of BlackRock Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Asset Management Canada Limited	ORD	NZD	182,268	0.023%	subsidiary of BlackRock Inc.	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management Deutschland AG	ORD	NZD	3,623,820	0.464%	subsidiary of BlackRock Inc.	Max-Joseph-Straße 6 D-80333 Munich, Germany
BlackRock Asset Management North Asia Limited	ORD	NZD	4,677	0.001%	subsidiary of BlackRock Inc.	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
BLACKROCK FINANCIAL MANAGEMENT, INC.	CFD	NZD	190,858	0.024%	subsidiary of BlackRock Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
BLACKROCK FINANCIAL MANAGEMENT, INC.	ORD	NZD	38,250	0.005%	subsidiary of BlackRock Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Fund Advisors	ORD	NZD	13,538,266	1.734%	subsidiary of BlackRock Inc.	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	CFD	NZD	518,691	0.066%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Institutional Trust Company, National Association	ORD	NZD	5,059,857	0.648%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Investment Management (Australia) Limited	ORD	NZD	6,325,445	0.810%	subsidiary of BlackRock Inc.	Level 37 Chifley Tower, 2 Chifley Square,
BlackRock Investment Management (UK) Limited	CFD	NZD	22,903	0.003%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL
BlackRock Investment Management (UK) Limited	ORD	NZD	3,630,640	0.465%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL
BlackRock Investment Management, LLC	ORD	NZD	11,281	0.001%	subsidiary of BlackRock Inc.	251 Little Falls Dr Wilmington, DE 19808-1674

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
25-Apr-22	BlackRock Advisors (UK) Limited	in specie	n/a	ORD	-3,384	-3,384
25-Apr-22	BlackRock Fund Advisors	in specie	n/a	ORD	-8,382	-8,382
25-Apr-22	BlackRock Fund Advisors	in specie	n/a	ORD	-8,382	-8,382
26-Apr-22	BlackRock Fund Advisors	in specie	n/a	ORD	-18,000	-18,000
26-Apr-22	BlackRock Fund Advisors	in specie	n/a	ORD	-2,794	-2,794
26-Apr-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,191	-4,191
26-Apr-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.96	ORD	8,037	8,037
26-Apr-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.96	ORD	10,716	10,716
26-Apr-22	BlackRock Advisors (UK) Limited	on mkt buy	7.96	ORD	5,076	5,076
26-Apr-22	BlackRock Advisors (UK) Limited	on mkt buy	7.96	ORD	861	861
26-Apr-22	BlackRock Asset Management Canada Limited	on mkt buy	7.96	ORD	1,671	1,671
27-Apr-22	BlackRock Fund Advisors	in specie	n/a	ORD	-22,234	-22,234
27-Apr-22	BLACKROCK ADVISORS LLC	on mkt sell	8.07	ORD	-1,116	-1,116
27-Apr-22	BlackRock Asset Management Deutschland AG	on mkt buy	8.17	ORD	2,681	2,681
27-Apr-22	BlackRock Asset Management Deutschland AG	on mkt buy	8.17	ORD	5,362	5,362
28-Apr-22	BLACKROCK ADVISORS LLC	on mkt buy	8.18	ORD	128	128
28-Apr-22	BlackRock Asset Management Deutschland AG	on mkt buy	8.17	ORD	2,683	2,683
28-Apr-22	BlackRock Advisors (UK) Limited	on mkt buy	8.17	ORD	1,590	1,590
28-Apr-22	BlackRock Investment Management (Australia) Limited	on mkt buy	8.17	ORD	7,285	7,285
28-Apr-22	BlackRock Fund Advisors	on mkt buy	8.17	ORD	1,146	1,146
29-Apr-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,191	-4,191
29-Apr-22	BlackRock Fund Advisors	in specie	n/a	ORD	1,620	1,620
29-Apr-22	BlackRock Investment Management (UK) Limited	on mkt sell	8.13	ORD	-28,324	-28,324
29-Apr-22	BlackRock Institutional Trust Company, National Association	on mkt sell	8.18	ORD	-7,879	-7,879
02-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	1,512	1,512
02-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,191	-4,191
02-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,191	-4,191
02-May-22	BlackRock Fund Advisors	on mkt buy	8.15	ORD	49,960	49,960
03-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-7,202	-7,202
03-May-22	BlackRock Investment Management (UK) Limited	on mkt sell	8.14	ORD	-572	-572
03-May-22	BlackRock Fund Advisors	on mkt sell	8.14	ORD	-1,525	-1,525
04-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,148	2,148
04-May-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.99	ORD	-12,876	-12,876
04-May-22	BlackRock Investment Management (UK) Limited	on mkt buy	7.98	ORD	89,034	89,034
04-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.98	ORD	8,073	8,073
04-May-22	BlackRock Advisors (UK) Limited	on mkt buy	7.98	ORD	3,388	3,388
04-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-28,808	-28,808
05-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-13,970	-13,970
05-May-22	BlackRock Advisors (UK) Limited	on mkt sell	8.06	ORD	-25,429	-25,429
05-May-22	BlackRock Investment Management (UK) Limited	on mkt sell	8.06	ORD	-18,923	-18,923
05-May-22	BlackRock Advisors (UK) Limited	on mkt sell	8.06	ORD	-5,444	-5,444
05-May-22	BlackRock Advisors (UK) Limited	on mkt buy	8.01	ORD	3,388	3,388
05-May-22	BlackRock Advisors (UK) Limited	on mkt buy	8.01	ORD	2,583	2,583
06-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-8,382	-8,382

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
06-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.85	ORD	5,390	5,390
09-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,448	2,448
09-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-9,779	-9,779
09-May-22	BlackRock Fund Advisors	on mkt buy	7.59	ORD	38,240	38,240
09-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.59	ORD	5,390	5,390
09-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-36,410	-36,410
10-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,191	-4,191
10-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-9,779	-9,779
10-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,191	-4,191
10-May-22	BlackRock Advisors (UK) Limited	on mkt buy	7.45	ORD	2,541	2,541
10-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.45	ORD	-12,749	-12,749
11-May-22	BlackRock Advisors (UK) Limited	on mkt sell	7.62	ORD	-5,755	-5,755
11-May-22	BlackRock Fund Advisors	on mkt sell	7.62	ORD	-1,122	-1,122
11-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.62	ORD	25,089	25,089
11-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-14,508	-14,508
12-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,151	2,151
12-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,191	-4,191
12-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-11,176	-11,176
12-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-11,176	-11,176
12-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-1,397	-1,397
12-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	1,516	1,516
12-May-22	BlackRock Advisors (UK) Limited	on mkt sell	7.56	ORD	-47,171	-47,171
12-May-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.56	ORD	-25,509	-25,509
12-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.52	ORD	8,097	8,097
12-May-22	BlackRock Advisors (UK) Limited	on mkt buy	7.52	ORD	3,384	3,384
12-May-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.52	ORD	-51,533	-51,533
12-May-22	BlackRock Fund Advisors	on mkt buy	7.52	ORD	30,055	30,055
13-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-11,176	-11,176
13-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-8,382	-8,382
13-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,191	-4,191
13-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,191	-4,191
13-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	99,330	99,330
16-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-18,161	-18,161
16-May-22	BlackRock Fund Advisors	on mkt buy	7.41	ORD	2,089	2,089
16-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-99,330	-99,330
17-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-2,828	-2,828
17-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.55	ORD	2,699	2,699
17-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.55	ORD	5,398	5,398
17-May-22	BlackRock Advisors (UK) Limited	on mkt sell	7.55	ORD	-7,614	-7,614
17-May-22	BlackRock Fund Advisors	on mkt buy	7.55	ORD	21,589	21,589
17-May-22	BlackRock Fund Advisors	on mkt buy	7.55	ORD	43,919	43,919
17-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	152,635	152,635
18-May-22	BlackRock Advisors (UK) Limited	on mkt sell	7.77	ORD	-846	-846
18-May-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.77	ORD	-22,258	-22,258
18-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	59,235	59,235
19-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-8,544	-8,544
19-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.81	ORD	2,701	2,701
19-May-22	BlackRock Fund Advisors	on mkt buy	7.81	ORD	24,902	24,902
19-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	178,692	178,692
20-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	-21,360	-21,360
20-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.68	ORD	-2,217	-2,217
20-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-318,760	-318,760

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
23-May-22	BlackRock Advisors (UK) Limited	on mkt buy	7.79	ORD	8,460	8,460
23-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	592,732	592,732
24-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-493,360	-493,360
25-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	1,744	1,744
25-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.66	ORD	2,713	2,713
25-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.66	ORD	5,426	5,426
25-May-22	BlackRock Advisors (UK) Limited	on mkt buy	7.66	ORD	1,692	1,692
25-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	293,014	293,014
26-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	18,519	18,519
27-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-19,729	-19,729
27-May-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	462,980	462,980
30-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-393,492	-393,492
30-May-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	17	17
31-May-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,700	2,700
31-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.45	ORD	-980	-980
31-May-22	BlackRock Fund Advisors	on mkt sell	7.45	ORD	-18,394	-18,394
31-May-22	BlackRock Fund Advisors	on mkt sell	7.45	ORD	-18,468	-18,468
31-May-22	BlackRock Fund Advisors	on mkt sell	7.45	ORD	-2,426	-2,426
31-May-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.45	ORD	8,295	8,295
31-May-22	BlackRock Advisors (UK) Limited	on mkt buy	7.45	ORD	3,384	3,384
31-May-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.45	ORD	-9,713	-9,713
31-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.45	ORD	-4,749	-4,749
31-May-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.45	ORD	7,916	7,916
31-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.45	ORD	-2,938	-2,938
31-May-22	BlackRock Fund Advisors	on mkt sell	7.45	ORD	-55,186	-55,186
31-May-22	BlackRock Fund Advisors	on mkt sell	7.45	ORD	-55,406	-55,406
31-May-22	BlackRock Fund Advisors	on mkt sell	7.45	ORD	-7,278	-7,278
31-May-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.45	ORD	-29,140	-29,140
31-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.45	ORD	-14,248	-14,248
31-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.45	ORD	-6,865	-6,865
31-May-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.45	ORD	-6,009	-6,009
31-May-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	780,467	780,467
31-May-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-462,997	-462,997
01-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	-2,848	-2,848
01-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	-5,696	-5,696
01-Jun-22	BlackRock Fund Advisors	on mkt sell	7.67	ORD	-1,513	-1,513
01-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-381,073	-381,073
02-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	-8,544	-8,544
02-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	-5,696	-5,696
02-Jun-22	BlackRock Fund Advisors	on mkt buy	7.68	ORD	1,980	1,980
02-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-78,952	-78,952
03-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.67	ORD	5,526	5,526
03-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-38,440	-38,440
06-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	110,620	110,620
07-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	1,424	1,424
07-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	7.62	ORD	3,388	3,388
07-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	7.62	ORD	6,776	6,776
07-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	7.62	ORD	5,082	5,082

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
07-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-174,710	-174,710
08-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.48	ORD	2,759	2,759
08-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.48	ORD	5,518	5,518
08-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	7.48	ORD	4,235	4,235
08-Jun-22	BlackRock Advisors (UK) Limited	on mkt sell	7.48	ORD	-10,164	-10,164
08-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	10,446	10,446
08-Jun-22	APERIO GROUP LLC	in specie	n/a	ORD	-34,571	-34,571
09-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	42,315	42,315
09-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	976	976
09-Jun-22	BlackRock Fund Advisors	on mkt sell	7.37	ORD	-34,027	-34,027
09-Jun-22	BlackRock Fund Advisors	on mkt sell	7.37	ORD	-10,536	-10,536
09-Jun-22	BlackRock Fund Advisors	on mkt sell	7.37	ORD	-20,264	-20,264
09-Jun-22	BlackRock Advisors (UK) Limited	on mkt sell	7.36	ORD	-6,776	-6,776
09-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	163,596	163,596
10-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,440	2,440
10-Jun-22	BlackRock Fund Advisors	on mkt sell	7.38	ORD	-1,158	-1,158
10-Jun-22	BlackRock Fund Advisors	on mkt buy	7.44	ORD	13,759	13,759
10-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.44	ORD	5,522	5,522
10-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.44	ORD	8,283	8,283
10-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-297,338	-297,338
13-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.41	ORD	11,056	11,056
13-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	224,822	224,822
14-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	-11,320	-11,320
14-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,245	-4,245
14-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	1,724	1,724
14-Jun-22	BlackRock Advisors (UK) Limited	on mkt sell	7.10	ORD	-6,776	-6,776
14-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-142,446	-142,446
15-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	-27,984	-27,984
15-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	1,415	1,415
15-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.09	ORD	1,075	1,075
15-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	7.09	ORD	109,534	109,534
15-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.10	ORD	5,524	5,524
15-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	7.10	ORD	1,692	1,692
15-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-1,300	-1,300
16-Jun-22	BlackRock Fund Advisors	on mkt buy	7.11	ORD	51,849	51,849
16-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.11	CFD	40	40
16-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.11	CFD	3,166	3,166
16-Jun-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.11	CFD	1,761	1,761
16-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.11	CFD	3,078	3,078
16-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	7.10	ORD	2,583	2,583
16-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	7.10	ORD	1,722	1,722
16-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	210,590	210,590
16-Jun-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	1	1
17-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	10,635	10,635
17-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,430	2,430
17-Jun-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.14	ORD	-170,140	-170,140
17-Jun-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.14	ORD	-84,994	-84,994
17-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.14	ORD	-100,811	-100,811

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
17-Jun-22	BlackRock Investment Management (UK) Limited	on mkt buy	7.14	ORD	3,637	3,637
17-Jun-22	BlackRock Fund Advisors	on mkt buy	7.14	ORD	1,827	1,827
17-Jun-22	BlackRock Advisors (UK) Limited	on mkt sell	7.14	ORD	-7,821	-7,821
17-Jun-22	BlackRock Fund Advisors	on mkt buy	7.14	ORD	27,748	27,748
17-Jun-22	BlackRock Investment Management (UK) Limited	on mkt buy	7.14	ORD	4,998	4,998
17-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-455,770	-455,770
17-Jun-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-1	-1
20-Jun-22	BlackRock Advisors (UK) Limited	on mkt sell	7.08	ORD	-15,262	-15,262
20-Jun-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.08	ORD	-4,689	-4,689
20-Jun-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.08	ORD	-353	-353
21-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	10,129	10,129
21-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	4,341	4,341
21-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.18	CFD	2,193	2,193
21-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.18	CFD	2,335	2,335
22-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	14,470	14,470
22-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,325	2,325
22-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	1,860	1,860
22-Jun-22	BLACKROCK ADVISORS LLC	on mkt sell	7.00	ORD	-1,476	-1,476
22-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.00	ORD	5,528	5,528
22-Jun-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.00	ORD	-10,156	-10,156
23-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.25	CFD	3,713	3,713
23-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.24	CFD	2,548	2,548
23-Jun-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.24	CFD	1,386	1,386
23-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.25	ORD	2,762	2,762
23-Jun-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.25	ORD	35,469	35,469
23-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	133,712	133,712
24-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	8,520	8,520
24-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,586	2,586
24-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	328,148	328,148
24-Jun-22	APERIO GROUP LLC	in specie	n/a	ORD	19,626	19,626
27-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	5,788	5,788
27-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,350	2,350
27-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.31	CFD	2,110	2,110
27-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.31	CFD	1,854	1,854
27-Jun-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.31	CFD	1,188	1,188
27-Jun-22	BlackRock Advisors (UK) Limited	on mkt sell	7.33	ORD	-3,432	-3,432
27-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-461,860	-461,860
27-Jun-22	APERIO GROUP LLC	in specie	n/a	ORD	-19,626	-19,626
28-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.45	CFD	3,848	3,848
28-Jun-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.45	CFD	2,211	2,211
28-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.45	CFD	3,554	3,554
28-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.44	CFD	27	27
28-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	7.48	ORD	5,136	5,136

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
28-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	-15,456	-15,456
28-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	296,501	296,501
29-Jun-22	BlackRock Fund Advisors	in specie	n/a	ORD	-2,894	-2,894
29-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.43	CFD	4,883	4,883
29-Jun-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.43	CFD	2,838	2,838
29-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.42	CFD	4,769	4,769
29-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.42	CFD	54	54
29-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.44	ORD	451	451
29-Jun-22	BlackRock Fund Advisors	on mkt buy	7.47	ORD	21,600	21,600
29-Jun-22	BlackRock Fund Advisors	on mkt buy	7.47	ORD	11,086	11,086
29-Jun-22	BlackRock Advisors (UK) Limited	on mkt sell	7.47	ORD	-858	-858
29-Jun-22	BlackRock Advisors (UK) Limited	on mkt sell	7.47	ORD	-16,302	-16,302
30-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.36	CFD	60	60
30-Jun-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.36	CFD	2,143	2,143
30-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.36	CFD	3,605	3,605
30-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.36	CFD	3,779	3,779
30-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.29	ORD	-3,316	-3,316
30-Jun-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.29	ORD	-77,206	-77,206
30-Jun-22	BlackRock Advisors (UK) Limited	on mkt buy	7.28	ORD	18,832	18,832
30-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.28	ORD	11,351	11,351
30-Jun-22	BLACKROCK ADVISORS LLC	on mkt buy	7.28	ORD	405	405
30-Jun-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.28	ORD	-484	-484
30-Jun-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.28	ORD	-11,272	-11,272
30-Jun-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-61,697	-61,697
01-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.19	CFD	124	124
01-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.18	CFD	2,518	2,518
01-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.19	CFD	5,796	5,796
01-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.18	CFD	5,026	5,026
01-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,894	2,894
01-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	8,873	8,873
01-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	7.12	ORD	-79,734	-79,734
01-Jul-22	BlackRock Advisors (UK) Limited	on mkt sell	7.07	ORD	-4,280	-4,280
01-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-189,600	-189,600
04-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	CFD	26,470	26,470
04-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.15	CFD	10,904	10,904
04-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	CFD	639	639
04-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	CFD	19,750	19,750
04-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.15	ORD	2,805	2,805
04-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-45,204	-45,204

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05-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.27	CFD	9,511	9,511
05-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.26	CFD	184	184
05-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.27	CFD	15,168	15,168
05-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.27	CFD	5,862	5,862
05-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	7.27	ORD	-114,070	-114,070
05-Jul-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.28	ORD	2,777	2,777
06-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.35	ORD	413	413
06-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.35	CFD	5,158	5,158
06-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.34	CFD	82	82
06-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.35	CFD	8,517	8,517
06-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.35	CFD	3,780	3,780
07-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	-35,190	-35,190
07-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.38	ORD	1,439	1,439
07-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.38	CFD	4,961	4,961
07-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.40	CFD	403	403
07-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	7.36	ORD	-112,004	-112,004
07-Jul-22	BLACKROCK ADVISORS LLC	on mkt buy	7.30	ORD	597	597
07-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	210,073	210,073
08-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,341	-4,341
08-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.36	ORD	1,335	1,335
08-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.36	CFD	510	510
08-Jul-22	BlackRock Fund Advisors	on mkt buy	7.33	ORD	2,312	2,312
11-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.40	CFD	1,898	1,898
11-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.40	CFD	772	772
11-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.40	ORD	1,757	1,757
11-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	81,328	81,328
12-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.40	ORD	1,418	1,418
12-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.41	CFD	470	470
12-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.40	CFD	1,369	1,369
12-Jul-22	BlackRock Investment Management, LLC	on mkt buy	7.42	ORD	1,542	1,542
12-Jul-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.42	ORD	2,707	2,707
12-Jul-22	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	8,580	8,580
12-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	54,399	54,399
12-Jul-22	APERIO GROUP LLC	in specie	n/a	ORD	45	45
13-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	-2,894	-2,894
13-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.44	ORD	1,656	1,656
13-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.44	CFD	269	269
13-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-100,000	-100,000

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14-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.45	ORD	1,513	1,513
14-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.45	CFD	1,268	1,268
14-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.45	CFD	534	534
14-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.45	CFD	2,120	2,120
14-Jul-22	BlackRock Asset Management Deutschland AG	on mkt sell	7.45	ORD	-59,857	-59,857
14-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.45	ORD	469	469
14-Jul-22	BLACKROCK ADVISORS LLC	on mkt buy	7.45	ORD	1,369	1,369
14-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.45	ORD	6,348	6,348
14-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	87,904	87,904
15-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	6,019	6,019
15-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.49	ORD	1,368	1,368
15-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	7.48	ORD	-27,560	-27,560
15-Jul-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.48	ORD	5,296	5,296
15-Jul-22	BlackRock Fund Advisors	on mkt buy	7.48	ORD	82,067	82,067
15-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	7.48	ORD	-112,612	-112,612
15-Jul-22	BlackRock Investment Management, LLC	on mkt buy	7.48	ORD	3,635	3,635
15-Jul-22	BlackRock Advisors (UK) Limited	on mkt buy	7.48	ORD	108,977	108,977
15-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	46,855	46,855
18-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	-2,958	-2,958
18-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.49	ORD	1,057	1,057
18-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.49	CFD	243	243
18-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.51	CFD	1,158	1,158
18-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-2,032	-2,032
19-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	6,240	6,240
19-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.46	ORD	1,328	1,328
19-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.46	CFD	1,544	1,544
19-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.46	CFD	289	289
19-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	-10,353	-10,353
19-Jul-22	BlackRock Investment Management, LLC	on mkt buy	7.43	ORD	3,375	3,375
19-Jul-22	BlackRock Advisors (UK) Limited	on mkt buy	7.43	ORD	873	873
19-Jul-22	BlackRock Advisors (UK) Limited	on mkt sell	7.43	ORD	-2,619	-2,619
19-Jul-22	BlackRock Fund Advisors	on mkt buy	7.43	ORD	2,109	2,109
19-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	1,502	1,502
20-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.52	CFD	54	54
20-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.52	CFD	3,896	3,896
20-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.51	CFD	2,659	2,659
20-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.51	CFD	2,078	2,078
20-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.51	CFD	731	731
20-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	7.48	ORD	-85,156	-85,156
20-Jul-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.47	ORD	2,648	2,648

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20-Jul-22	BlackRock Advisors (UK) Limited	on mkt buy	7.47	ORD	1,728	1,728
20-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-69,429	-69,429
21-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,958	2,958
21-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	702	702
21-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	1,732	1,732
21-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.47	ORD	2,168	2,168
21-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.48	CFD	1,155	1,155
21-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.47	CFD	196	196
21-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt buy	7.45	ORD	3,000	3,000
21-Jul-22	BlackRock Advisors (UK) Limited	on mkt buy	7.45	ORD	1,734	1,734
21-Jul-22	BLACKROCK ADVISORS LLC	on mkt buy	7.45	ORD	766	766
21-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	63,073	63,073
22-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.41	CFD	98	98
22-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.41	CFD	6,113	6,113
22-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.41	CFD	1,208	1,208
22-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.41	ORD	510	510
22-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.41	CFD	5,841	5,841
22-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.41	CFD	3,984	3,984
22-Jul-22	BlackRock Investment Management (Australia) Limited	on mkt sell	7.40	ORD	-85,615	-85,615
22-Jul-22	BlackRock Investment Management, LLC	on mkt buy	7.40	ORD	2,729	2,729
22-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-2,959	-2,959
25-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.38	CFD	82	82
25-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.38	CFD	4,719	4,719
25-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.37	CFD	4,579	4,579
25-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.37	CFD	2,973	2,973
25-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.37	CFD	781	781
25-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.35	ORD	544	544
25-Jul-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.35	ORD	2,648	2,648
25-Jul-22	BlackRock Advisors (UK) Limited	on mkt buy	7.35	ORD	866	866
25-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-54,753	-54,753
26-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.26	CFD	6,078	6,078
26-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.26	CFD	106	106
26-Jul-22	BlackRock Advisors (UK) Limited	on mkt buy	7.26	ORD	861	861
26-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.26	CFD	5,875	5,875
26-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.26	CFD	4,094	4,094
26-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.26	CFD	963	963
26-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	38,869	38,869
27-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	4,063	4,063
27-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.26	CFD	350	350

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27-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.26	CFD	17,157	17,157
27-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.26	CFD	17,676	17,676
27-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.26	CFD	2,906	2,906
27-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.26	CFD	18,321	18,321
27-Jul-22	BlackRock Advisors (UK) Limited	on mkt sell	7.24	ORD	-11,193	-11,193
27-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	189,057	189,057
27-Jul-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	143,407	143,407
28-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,958	2,958
28-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,958	2,958
28-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.42	CFD	20,602	20,602
28-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.42	CFD	21,750	21,750
28-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.43	CFD	19,724	19,724
28-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.43	CFD	2,463	2,463
28-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.42	CFD	399	399
28-Jul-22	BLACKROCK ADVISORS LLC	on mkt buy	7.42	ORD	276	276
28-Jul-22	BlackRock Advisors (UK) Limited	on mkt buy	7.42	ORD	38,970	38,970
28-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-210,756	-210,756
28-Jul-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	239,058	239,058
29-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,958	2,958
29-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	11,832	11,832
29-Jul-22	BlackRock Fund Advisors	in specie	n/a	ORD	10,560	10,560
29-Jul-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.61	CFD	2,232	2,232
29-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.59	CFD	1,970	1,970
29-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.59	CFD	32	32
29-Jul-22	BlackRock Advisors (UK) Limited	on mkt sell	7.65	ORD	-25,377	-25,377
29-Jul-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.65	ORD	5,300	5,300
29-Jul-22	BlackRock Advisors (UK) Limited	on mkt sell	7.65	ORD	-4,355	-4,355
29-Jul-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.65	ORD	6,968	6,968
29-Jul-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	404,904	404,904
29-Jul-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-382,465	-382,465
01-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,958	2,958
01-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.67	CFD	-167	-167
01-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.67	ORD	866	866
01-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.67	ORD	4,330	4,330
01-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	42,242	42,242
01-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-525,275	-525,275
01-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	382,465	382,465
02-Aug-22	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	35,416	35,416
02-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,437	-4,437
02-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.56	CFD	-295	-295
02-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.54	ORD	7,950	7,950
02-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.54	ORD	867	867

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
02-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.56	ORD	9,537	9,537
02-Aug-22	BlackRock Investment Management (UK) Limited	in specie	n/a	ORD	-3,447	-3,447
02-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	382,465	382,465
02-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-382,465	-382,465
03-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	21,121	21,121
03-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	-4,437	-4,437
03-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	84,453	84,453
04-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	2,109	2,109
04-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	3,402	3,402
04-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.68	CFD	-127	-127
04-Aug-22	BLACKROCK ADVISORS LLC	on mkt buy	7.65	ORD	273	273
04-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.65	ORD	1,736	1,736
04-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-100,000	-100,000
05-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	-21,132	-21,132
05-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.71	CFD	93	93
05-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.71	CFD	7,709	7,709
05-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.71	CFD	7,928	7,928
05-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.71	CFD	176	176
05-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.70	CFD	8,691	8,691
05-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	7.74	ORD	-3,599	-3,599
05-Aug-22	BlackRock Investment Management (UK) Limited	on mkt sell	7.75	ORD	-1,983	-1,983
05-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.68	ORD	5,304	5,304
05-Aug-22	BlackRock Investment Management (UK) Limited	on mkt buy	7.68	ORD	15,707	15,707
08-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.70	CFD	2,666	2,666
08-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.70	CFD	2,509	2,509
08-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.70	CFD	2,304	2,304
08-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.70	ORD	2,654	2,654
08-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	7.70	ORD	-5,208	-5,208
08-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-31,700	-31,700
09-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	11,832	11,832
09-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.67	ORD	2,654	2,654
09-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.67	ORD	13,270	13,270
09-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.67	ORD	1,736	1,736
09-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.67	ORD	5,208	5,208
09-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-503,165	-503,165
09-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	378,586	378,586
10-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	21,121	21,121
10-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	23,199	23,199
10-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.66	ORD	868	868
10-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	-7,038	-7,038
10-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	71,008	71,008
10-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-804	-804
11-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	1,479	1,479
11-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	4,437	4,437
11-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	-7,042	-7,042

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
11-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.72	CFD	34	34
11-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.72	CFD	2,384	2,384
11-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.71	CFD	2,636	2,636
11-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.71	CFD	4,029	4,029
11-Aug-22	BlackRock Investment Management (Australia) Limited	on mkt sell	7.71	ORD	-114,058	-114,058
11-Aug-22	BLACKROCK ADVISORS LLC	on mkt buy	7.70	ORD	266	266
11-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	7.70	ORD	-1,738	-1,738
11-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	64,418	64,418
11-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-1,701	-1,701
12-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.71	CFD	1,826	1,826
12-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.71	CFD	1,864	1,864
12-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.70	CFD	2,265	2,265
12-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	7.71	ORD	-1,740	-1,740
12-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	7.71	ORD	-3,480	-3,480
12-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	52,382	52,382
12-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-527	-527
15-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.82	ORD	10,688	10,688
15-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	456,039	456,039
15-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-375,554	-375,554
16-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.90	ORD	865	865
16-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.90	ORD	865	865
16-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-105,163	-105,163
17-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.96	CFD	2,860	2,860
17-Aug-22	BLACKROCK ADVISORS LLC	on mkt buy	7.96	CFD	8,928	8,928
17-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.95	CFD	1,218	1,218
17-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.95	CFD	3,474	3,474
17-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.96	CFD	5,123	5,123
17-Aug-22	BlackRock Investment Management (UK) Limited	on mkt buy	7.95	CFD	668	668
17-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	7.95	CFD	2,889	2,889
17-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.99	ORD	2,674	2,674
17-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.99	ORD	864	864
17-Aug-22	BlackRock Advisors (UK) Limited	on mkt buy	7.99	ORD	1,722	1,722
17-Aug-22	BlackRock Fund Advisors	on mkt buy	7.99	ORD	32,283	32,283
17-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	13,328	13,328
18-Aug-22	BLACKROCK ADVISORS LLC	on mkt buy	7.95	ORD	1,538	1,538
18-Aug-22	BLACKROCK ADVISORS LLC	on mkt buy	7.95	ORD	447	447
18-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-72,905	-72,905
19-Aug-22	BlackRock Investment Management (UK) Limited	on mkt buy	7.89	CFD	904	904
19-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.89	CFD	-172	-172
19-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt sell	7.86	ORD	-5,948	-5,948
19-Aug-22	BlackRock Fund Advisors	on mkt buy	7.86	ORD	35,367	35,367
19-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	7.86	ORD	-863	-863

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19-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	7.86	ORD	-1,726	-1,726
19-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	7.86	ORD	-30,205	-30,205
19-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-598	-598
22-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	21,121	21,121
22-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	21,121	21,121
22-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	-2,958	-2,958
22-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.89	CFD	-285	-285
22-Aug-22	BlackRock Institutional Trust Company, National Association	on mkt buy	7.85	ORD	2,430	2,430
22-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	7.85	ORD	-11,232	-11,232
22-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	42,242	42,242
22-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	-345,418	-345,418
22-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	338,409	338,409
23-Aug-22	BlackRock Fund Advisors	in specie	n/a	ORD	21,121	21,121
23-Aug-22	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	7.91	CFD	-111	-111
23-Aug-22	BlackRock Asset Management Deutschland AG	on mkt buy	7.92	ORD	5,352	5,352
23-Aug-22	BlackRock Advisors (UK) Limited	on mkt sell	7.92	ORD	-6,048	-6,048
23-Aug-22	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ORD	373,224	373,224
23-Aug-22	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	ORD	-1,931	-1,931

Parties to the Derivative			
Investment Manager / Agent	Fund	On Behalf of	Counterparty
BLACKROCK INSTITUTIONAL TRUST CO NA	32 Capital Fund - Global Long Horizon BarCap CFD		BARCLAYS BANK PLC
BLACKROCK INSTITUTIONAL TRUST CO NA	32 Capital Fund - Global Long Horizon MS CFD		MORGAN STANLEY & CO INTERNATIONAL
BLACKROCK INSTITUTIONAL TRUST CO NA	Global Alpha Opportunities Master Fund- Cross Border-BNP CFD		BNP PARIBAS
BLACKROCK INSTITUTIONAL TRUST CO NA	Global Alpha Opportunities Master Fund Ltd Cross Border - HSBC CFD		HSBBK CFD
BLACKROCK INSTITUTIONAL TRUST CO NA	Global Alpha Opportunities Master Fund Ltd Cross Border - JPM CFD		JP Morgan CFD (JPMSW)
BLACKROCK INSTITUTIONAL TRUST CO NA	Global Alpha Opportunities Master Fund Ltd Cross Border - UBS CFD		UBS AG
BLACKROCK INSTITUTIONAL TRUST CO NA	Global Alpha Opportunities Equity Fund Ltd. - MS CFD		MORGAN STANLEY & CO INTERNATIONAL
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BSF - BlackRock Systematic Global Long/Short Equity Fund - MS CFD		MORGAN STANLEY & CO INTERNATIONAL
BLACKROCK INSTITUTIONAL TRUST CO NA	CPPIB MAP CAYMAN SPC - BNP CFD		BNP PARIBAS
BLACKROCK INSTITUTIONAL TRUST CO NA	CPPIB MAP Cayman SPC - JPM CFD		JP Morgan CFD (JPMSW)
BLACKROCK INSTITUTIONAL TRUST CO NA	GMN B Fund - GELS - CITI CFD		CITBK CFD
BLACKROCK FINANCIAL MANAGEMENT, INC.	Baldr Bayes Fund Inc. - Cross Border - BNP CFD		BNP PARIBAS
BLACKROCK FINANCIAL MANAGEMENT, INC.	Baldr Bayes Fund Inc. - Cross Border - HSBC CFD		HSBBK CFD
BLACKROCK FINANCIAL MANAGEMENT, INC.	Baldr Bayes Fund Inc. - Cross Border - JPM CFD		JP Morgan CFD (JPMSW)
BLACKROCK FINANCIAL MANAGEMENT, INC.	Baldr Bayes Fund Inc. - Cross Border - MS CFD		MORGAN STANLEY & CO INTERNATIONAL
BLACKROCK FINANCIAL MANAGEMENT, INC.	Baldr Bayes Fund Inc. - Global Long Horizon - BNP CFD		BNP PARIBAS
BLACKROCK FINANCIAL MANAGEMENT, INC.	Baldr Bayes Fund Inc. - Global Long Horizon - JPM CFD		JP Morgan CFD (JPMSW)
BLACKROCK FINANCIAL MANAGEMENT, INC.	Baldr Bayes Fund Inc. - Global Long Horizon - ML CFD		MERRILL LYNCH INTERNATIONAL
BLACKROCK FINANCIAL MANAGEMENT, INC.	Baldr Bayes Fund Inc. - Global Long Horizon - MS CFD		MORGAN STANLEY & CO INTERNATIONAL
BLACKROCK ADVISORS LLC	BlackRock Global Long/Short Equity Fund - BNP CFD		BNP PARIBAS
BLACKROCK ADVISORS LLC	BlackRock Global Long/Short Equity Fund - UBS		UBS AG
BLACKROCK INSTITUTIONAL TRUST CO NA	SAE Liquidity Fund - Cross Border - HSBC CFD		HSBBK CFD
BLACKROCK INSTITUTIONAL TRUST CO NA	SAE Liquidity Fund - Cross Border - JPM CFD		JP Morgan CFD (JPMSW)
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BlackRock Systematic ESG Equity Absolute Return Fund - MS CFD Sleeve		MORGAN STANLEY & CO INTERNATIONAL
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BlackRock Systematic ESG Equity Absolute Return Fund - UBS CFD Sleeve		UBS AG
BLACKROCK FINANCIAL MANAGEMENT, INC.	Systematic Total Alpha. - Cross Border - Barclays CFD		BARCLAYS BANK PLC
BLACKROCK FINANCIAL MANAGEMENT, INC.	Systematic Total Alpha. - Cross Border - BNP CFD		BNP PARIBAS
BLACKROCK FINANCIAL MANAGEMENT, INC.	Systematic Total Alpha. - Cross Border - HSBC CFD		HSBBK CFD
BLACKROCK FINANCIAL MANAGEMENT, INC.	Systematic Total Alpha. - Cross Border - JPM CFD		JP Morgan CFD (JPMSW)
BLACKROCK FINANCIAL MANAGEMENT, INC.	Systematic Total Alpha. - Global Long Horizon - JPM CFD		JP Morgan CFD (JPMSW)