

## 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: 10 August 2023

Date on which substantial holding began: 08 August 2023

### **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: 48,844,079

(b) total in class: 784,963,454

(c) total percentage held in class: 6.222%

### **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: 92,230
- 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: Kayla Mulvihill, Tel +1-302-797-6268, Email: kayla.mulvihill@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, Kayla Mulvihill, 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	%		
APERIO GROUP LLC	ord	NZD	30,356	0.004%	subsidiary of BlackRock Inc.	2710 Gateway Oaks Drive, Suite 150N, Sacramento, CA 95833-3505
BlackRock Advisors (UK) Limited	ord	NZD	3,093,297	0.394%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	CFD	NZD	92,230	0.012%	subsidiary of BlackRock Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Asset Management Canada Limited	ord	NZD	182,515	0.023%	subsidiary of BlackRock Inc.	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management Deutschland AG	ord	NZD	4,103,197	0.523%	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.	ord	NZD	17,250	0.002%	subsidiary of BlackRock Inc.	251 Little Falls Dr Wilmington, DE 19808-1674
BlackRock Fund Advisors	ord	NZD	12,034,553	1.533%	subsidiary of BlackRock Inc.	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	ord	NZD	4,913,561	0.626%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Investment Management (Australia) Limited	ord	NZD	21,473,569	2.736%	subsidiary of BlackRock Inc.	Level 37 Chifley Tower, 2 Chifley Square, Sydney NSW 2000 Australia
BlackRock Investment Management (UK) Limited	ord	NZD	2,898,874	0.369%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL United Kingdom

## 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
11-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,520	-3,520
11-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	7.67	ord	43,618	43,618
11-Apr-23	BlackRock Fund Advisors	on mkt buy	7.67	ord	6,031	6,031
11-Apr-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.67	ord	1,760	1,760
11-Apr-23	BLACKROCK ADVISORS LLC	on mkt sell	7.67	CFD	-73,730	-73,730
11-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-100	-100
12-Apr-23	BlackRock Investment Management (Australia) Limited	on mkt buy	7.69	ord	4,982	4,982
12-Apr-23	BlackRock Advisors (UK) Limited	on mkt buy	7.68	ord	1,112	1,112
12-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	625	625
13-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	-4,395	-4,395
13-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	-879	-879
13-Apr-23	BlackRock Fund Advisors	on mkt buy	7.67	ord	1,558	1,558
13-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-825	-825
14-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,520	-3,520
14-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	4,662	4,662
18-Apr-23	BlackRock Asset Management Deutschland AG	on mkt sell	7.65	ord	-2,710	-2,710
18-Apr-23	BlackRock Investment Management (UK) Limited	on mkt buy	7.65	ord	32,512	32,512
19-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	-11,133	-11,133
19-Apr-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.60	ord	293	293
19-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	-59,376	-59,376
19-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	57,736	57,736
20-Apr-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.63	ord	-12,833	-12,833
20-Apr-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.60	ord	-45,165	-45,165
20-Apr-23	BlackRock Advisors (UK) Limited	on mkt sell	7.60	ord	-1,569	-1,569
20-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	26,013	26,013
21-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	1,566	1,566
21-Apr-23	BlackRock Advisors (UK) Limited	on mkt sell	7.57	ord	-104,859	-104,859
21-Apr-23	BlackRock Fund Advisors	on mkt sell	7.57	ord	-95,156	-95,156
21-Apr-23	BlackRock Advisors (UK) Limited	on mkt sell	7.58	ord	-1,434	-1,434
21-Apr-23	BlackRock Advisors (UK) Limited	on mkt sell	7.58	ord	-1,434	-1,434
21-Apr-23	BlackRock Advisors (UK) Limited	on mkt sell	7.58	ord	-2,390	-2,390
21-Apr-23	BlackRock Advisors (UK) Limited	on mkt sell	7.58	ord	-53,864	-53,864
21-Apr-23	BlackRock Fund Advisors	on mkt sell	7.58	ord	-48,881	-48,881
21-Apr-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.58	ord	-11,517	-11,517
21-Apr-23	BlackRock Advisors (UK) Limited	on mkt sell	7.58	ord	-56,736	-56,736
21-Apr-23	BlackRock Fund Advisors	on mkt sell	7.58	ord	-51,489	-51,489
21-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	10,311	10,311
24-Apr-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.63	ord	462	462
24-Apr-23	BlackRock Asset Management Deutschland AG	on mkt buy	7.65	ord	5,422	5,422
24-Apr-23	BLACKROCK ADVISORS LLC	on mkt sell	7.65	CFD	-3,736	-3,736
24-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-5,470	-5,470
25-Apr-23	BLACKROCK ADVISORS LLC	on mkt sell	7.65	CFD	-14,764	-14,764

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
26-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	-7,422	-7,422
26-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	13,338	13,338
26-Apr-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.75	ord	217	217
26-Apr-23	BlackRock Asset Management Deutschland AG	on mkt buy	7.75	ord	5,422	5,422
26-Apr-23	BlackRock Advisors (UK) Limited	on mkt buy	7.75	ord	956	956
26-Apr-23	BlackRock Advisors (UK) Limited	on mkt sell	7.75	ord	-452	-452
26-Apr-23	BlackRock Advisors (UK) Limited	on mkt sell	7.75	ord	-1,912	-1,912
26-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	57,845	57,845
27-Apr-23	BlackRock Fund Advisors	in specie	n/a	ord	-799	-799
27-Apr-23	BlackRock Asset Management Canada Limited	on mkt sell	7.75	ord	-230	-230
27-Apr-23	BlackRock Advisors (UK) Limited	on mkt buy	7.73	ord	4,448	4,448
27-Apr-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.73	ord	-9,458	-9,458
27-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	35,532	35,532
28-Apr-23	BlackRock Advisors (UK) Limited	on mkt sell	7.83	ord	-956	-956
28-Apr-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.83	ord	-6,335	-6,335
28-Apr-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	30,653	30,653
01-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	1,346	1,346
02-May-23	BlackRock Fund Advisors	in specie	n/a	ord	24,092	24,092
02-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-2,121	-2,121
02-May-23	BlackRock Investment Management (UK) Limited	on mkt buy	7.83	ord	20,388	20,388
02-May-23	BlackRock Advisors (UK) Limited	on mkt buy	7.85	ord	3,624	3,624
02-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-564	-564
03-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-799	-799
03-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-7,990	-7,990
03-May-23	BlackRock Advisors (UK) Limited	on mkt buy	7.82	ord	2,390	2,390
03-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-381	-381
04-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-6,392	-6,392
04-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-4,794	-4,794
04-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-2,397	-2,397
04-May-23	BlackRock Asset Management Deutschland AG	on mkt buy	7.95	ord	10,824	10,824
04-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-8,641	-8,641
05-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-24,092	-24,092
05-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-2,397	-2,397
05-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.89	ord	339	339
05-May-23	BlackRock Advisors (UK) Limited	on mkt sell	7.89	ord	-1,912	-1,912
05-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-142	-142
08-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-24,092	-24,092
08-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.94	ord	383	383
08-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-1,511	-1,511
09-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,196	-3,196
09-May-23	BlackRock Asset Management Deutschland AG	on mkt buy	7.90	ord	10,824	10,824
09-May-23	BlackRock Advisors (UK) Limited	on mkt sell	7.90	ord	-956	-956
09-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.90	ord	27,874	27,874
09-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-424	-424
10-May-23	BlackRock Fund Advisors	on mkt buy	7.89	ord	22,600	22,600
10-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	4,217	4,217

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
11-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.89	ord	1,051	1,051
11-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	3,709	3,709
12-May-23	BlackRock Fund Advisors	in specie	n/a	ord	73,749	73,749
12-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-2,397	-2,397
12-May-23	BlackRock Fund Advisors	in specie	n/a	ord	5,740	5,740
12-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.94	ord	883	883
12-May-23	BlackRock Advisors (UK) Limited	on mkt sell	7.95	ord	-1,434	-1,434
12-May-23	BlackRock Advisors (UK) Limited	on mkt sell	7.95	ord	-956	-956
12-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	840	840
15-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.93	ord	937	937
15-May-23	BlackRock Asset Management Deutschland AG	on mkt buy	7.94	ord	5,408	5,408
15-May-23	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	-18,927	-18,927
15-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-930	-930
16-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,196	-3,196
16-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.93	ord	1,032	1,032
16-May-23	BlackRock Fund Advisors	in specie	n/a	ord	7,384	7,384
16-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-961	-961
17-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-5,593	-5,593
17-May-23	BlackRock Fund Advisors	in specie	n/a	ord	1,402	1,402
17-May-23	BlackRock Advisors (UK) Limited	on mkt buy	7.94	ord	4,452	4,452
17-May-23	BlackRock Investment Management (UK) Limited	on mkt buy	7.94	ord	13,980	13,980
17-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	803	803
18-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.99	ord	1,240	1,240
18-May-23	BlackRock Advisors (UK) Limited	on mkt buy	8.00	ord	2,390	2,390
18-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-64,404	-64,404
19-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,995	-3,995
19-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.07	ord	1,174	1,174
19-May-23	BlackRock Asset Management Deutschland AG	on mkt buy	8.09	ord	46,951	46,951
22-May-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.06	ord	1,517	1,517
22-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	68,818	68,818
23-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,196	-3,196
23-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-5,593	-5,593
23-May-23	BlackRock Institutional Trust Company, National Association	on mkt sell	8.02	ord	-10,248	-10,248
23-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-5,023	-5,023
24-May-23	BlackRock Investment Management (UK) Limited	on mkt buy	7.97	ord	11,975	11,975
24-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	3,728	3,728
25-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,196	-3,196
25-May-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.91	ord	-8,065	-8,065
25-May-23	BlackRock Advisors (UK) Limited	on mkt sell	7.91	ord	-3,624	-3,624
25-May-23	BlackRock Advisors (UK) Limited	on mkt sell	7.91	ord	-2,868	-2,868
25-May-23	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	-81,579	-81,579
25-May-23	BlackRock Advisors (UK) Limited	in specie	n/a	ord	81,579	81,579

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25-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-6,498	-6,498
26-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	462	462
26-May-23	APERIO GROUP LLC	in specie	n/a	ord	20,650	20,650
29-May-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.95	ord	-4,310	-4,310
29-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	1,706	1,706
30-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-11,186	-11,186
30-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-7,448	-7,448
30-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-7,448	-7,448
30-May-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.91	ord	-5,507	-5,507
30-May-23	BlackRock Fund Advisors	in specie	n/a	ord	-33,516	-33,516
30-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-1,494	-1,494
30-May-23	APERIO GROUP LLC	in specie	n/a	ord	-20,650	-20,650
31-May-23	BlackRock Fund Advisors	on mkt sell	7.86	ord	-71,283	-71,283
31-May-23	BlackRock Fund Advisors	on mkt sell	7.86	ord	-28,748	-28,748
31-May-23	BLACKROCK ADVISORS LLC	on mkt sell	7.86	ord	-11,217	-11,217
31-May-23	BLACKROCK ADVISORS LLC	on mkt sell	7.86	ord	-26,547	-26,547
31-May-23	BLACKROCK ADVISORS LLC	on mkt sell	7.86	ord	-4,049	-4,049
31-May-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.86	ord	-1,374	-1,374
31-May-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.86	ord	-217	-217
31-May-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.86	ord	-3,000	-3,000
31-May-23	BlackRock Fund Advisors	on mkt buy	7.86	ord	9,140	9,140
31-May-23	BlackRock Advisors (UK) Limited	on mkt sell	7.86	ord	-1,087	-1,087
31-May-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.86	ord	-905	-905
31-May-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.86	ord	-4,297	-4,297
31-May-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.86	ord	-22,887	-22,887
31-May-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-61,699	-61,699
31-May-23	APERIO GROUP LLC	in specie	n/a	ord	9,706	9,706
01-Jun-23	BlackRock Fund Advisors	on mkt sell	7.89	ord	-1,726	-1,726
01-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.93	ord	-15,491	-15,491
01-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.94	ord	-2,868	-2,868
01-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.94	ord	-1,912	-1,912
01-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	72,185	72,185
02-Jun-23	BlackRock Fund Advisors	on mkt sell	7.96	ord	-1,423	-1,423
02-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-11,208	-11,208
02-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.96	ord	-3,205	-3,205
02-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.96	ord	-3,927	-3,927
02-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.96	ord	-15,658	-15,658
02-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-95,020	-95,020
05-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-7,472	-7,472
06-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-7,472	-7,472
06-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.99	ord	-3,463	-3,463
07-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	8.07	ord	-13,132	-13,132
07-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	8.10	ord	-22,052	-22,052

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07-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.10	ord	19,288	19,288
07-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.10	ord	922	922
07-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.10	ord	41,723	41,723
07-Jun-23	BlackRock Fund Advisors	on mkt sell	8.10	ord	-32,921	-32,921
07-Jun-23	BlackRock Fund Advisors	on mkt sell	8.10	ord	-8,802	-8,802
07-Jun-23	BLACKROCK ADVISORS LLC	on mkt buy	8.01	CFD	73,730	73,730
07-Jun-23	BLACKROCK ADVISORS LLC	on mkt buy	8.01	CFD	14,764	14,764
07-Jun-23	BLACKROCK ADVISORS LLC	on mkt buy	8.01	CFD	3,736	3,736
08-Jun-23	BLACKROCK ADVISORS LLC	on mkt sell	7.98	ord	-2,200	-2,200
08-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.95	ord	-956	-956
08-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.97	ord	-40,000	-40,000
09-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-7,372	-7,372
09-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.84	ord	-81,962	-81,962
12-Jun-23	BLACKROCK FINANCIAL MANAGEMENT INC	on mkt sell	7.86	CFD	-2,155	-2,155
12-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.84	ord	-30,330	-30,330
13-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.83	CFD	-13,425	-13,425
13-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.83	CFD	-4,253	-4,253
13-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.83	CFD	-1,334	-1,334
13-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.83	ord	-61,933	-61,933
13-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.83	ord	-7,170	-7,170
13-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.83	ord	-3,824	-3,824
13-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.83	ord	-90,010	-90,010
14-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.85	CFD	-15,584	-15,584
14-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.85	CFD	-1,176	-1,176
14-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.85	ord	-10,351	-10,351
14-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.84	ord	-100,000	-100,000
14-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.86	ord	-956	-956
14-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	44,596	44,596
14-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-26,663	-26,663
15-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	44,414	44,414
15-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.83	CFD	-1,246	-1,246
15-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.83	CFD	-16,512	-16,512
15-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.86	ord	-7,390	-7,390
15-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.86	ord	-90,000	-90,000
15-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.83	ord	-2,390	-2,390
15-Jun-23	BlackRock Fund Advisors	on mkt sell	7.83	ord	-4,613	-4,613
16-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	22,207	22,207



Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
16-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.83	CFD	-2,029	-2,029
16-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.84	CFD	-1,670	-1,670
16-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.83	ord	-1,912	-1,912
16-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.83	ord	-11,160	-11,160
16-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt sell	7.83	ord	-63,281	-63,281
16-Jun-23	BlackRock Investment Management (UK) Limited	on mkt buy	7.83	ord	18,877	18,877
16-Jun-23	BlackRock Asset Management Deutschland AG	on mkt buy	7.83	ord	9,312	9,312
16-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.83	ord	35,092	35,092
16-Jun-23	APERIO GROUP LLC	in specie	n/a	ord	30,356	30,356
19-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.83	CFD	-1,229	-1,229
20-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.87	CFD	-1,362	-1,362
20-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.87	CFD	-262	-262
20-Jun-23	BlackRock Asset Management Deutschland AG	on mkt buy	7.88	ord	2,724	2,724
20-Jun-23	BlackRock Asset Management Deutschland AG	on mkt buy	7.88	ord	2,724	2,724
20-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.88	ord	-2,868	-2,868
20-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.88	ord	-2,390	-2,390
20-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.88	ord	-13,337	-13,337
20-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-63,858	-63,858
20-Jun-23	APERIO GROUP LLC	in specie	n/a	ord	-30,356	-30,356
21-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-10,387	-10,387
21-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.86	CFD	-1,382	-1,382
21-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.87	ord	-956	-956
21-Jun-23	BlackRock Advisors (UK) Limited	in specie	n/a	ord	-4,297	-4,297
22-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.92	CFD	-1,485	-1,485
22-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	7.93	ord	154,206	154,206
22-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.93	ord	-5,258	-5,258
22-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.93	ord	-478	-478
22-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	108,596	108,596
23-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-8,789	-8,789
23-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-11,186	-11,186
23-Jun-23	BlackRock Investment Management (UK) Limited	on mkt sell	7.97	CFD	-787	-787
23-Jun-23	BlackRock Investment Management (UK) Limited	on mkt buy	8.00	ord	6,342	6,342
23-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-28,300	-28,300
26-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-2,397	-2,397
26-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-4,794	-4,794
26-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.87	ord	-1,434	-1,434
26-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.87	ord	-478	-478
26-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-42,400	-42,400
27-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-2,397	-2,397
27-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.84	ord	-2,390	-2,390

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
27-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.84	ord	-956	-956
27-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.84	ord	-1,912	-1,912
27-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.84	ord	-11,099	-11,099
27-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-36,200	-36,200
28-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,196	-3,196
28-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-799	-799
28-Jun-23	BlackRock Asset Management Deutschland AG	on mkt buy	7.87	ord	29,520	29,520
28-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt buy	7.87	ord	647	647
28-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.86	ord	-1,912	-1,912
28-Jun-23	BlackRock Institutional Trust Company, National Association	on mkt sell	7.86	ord	-2,100	-2,100
28-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-1,696	-1,696
29-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	7.97	ord	132,823	132,823
29-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	7.98	ord	-956	-956
29-Jun-23	BlackRock Advisors (UK) Limited	on mkt buy	7.98	ord	4,452	4,452
29-Jun-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-49,109	-49,109
30-Jun-23	BlackRock Fund Advisors	in specie	n/a	ord	-799	-799
30-Jun-23	BlackRock Investment Management (Australia) Limited	on mkt buy	8.01	ord	9,188	9,188
30-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	8.08	ord	-11,795	-11,795
30-Jun-23	BlackRock Advisors (UK) Limited	on mkt sell	8.10	ord	-23,948	-23,948
03-Jul-23	BlackRock Advisors (UK) Limited	on mkt buy	8.11	ord	6,678	6,678
03-Jul-23	BlackRock Institutional Trust Company, National Association	in specie	n/a	ord	14,000	14,000
03-Jul-23	APERIO GROUP LLC	in specie	n/a	ord	30,356	30,356
05-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-4,794	-4,794
05-Jul-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.15	ord	8,206	8,206
05-Jul-23	BlackRock Asset Management Canada Limited	on mkt buy	8.15	ord	374	374
05-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-7,368	-7,368
05-Jul-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	46,315	46,315
05-Jul-23	APERIO GROUP LLC	in specie	n/a	ord	-30,356	-30,356
06-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	111,035	111,035
06-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.12	ord	-1,912	-1,912
06-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.14	ord	-4,780	-4,780
06-Jul-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.12	ord	9,166	9,166
07-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-7,191	-7,191
07-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-1,598	-1,598
07-Jul-23	BlackRock Asset Management Deutschland AG	on mkt buy	8.15	ord	5,436	5,436
10-Jul-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.14	ord	27,869	27,869
10-Jul-23	BlackRock Investment Management (UK) Limited	on mkt buy	8.14	ord	37,587	37,587
10-Jul-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.14	ord	10,768	10,768
10-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.16	ord	-3,346	-3,346
10-Jul-23	BlackRock Advisors (UK) Limited	on mkt buy	8.16	ord	1,109	1,109
10-Jul-23	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	-918	-918

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
10-Jul-23	BlackRock Investment Management (UK) Limited	in specie	n/a	ord	-10,144	-10,144
11-Jul-23	BlackRock Investment Management (UK) Limited	on mkt buy	8.10	ord	31,699	31,699
11-Jul-23	BlackRock Fund Advisors	on mkt buy	8.10	ord	19,779	19,779
11-Jul-23	BlackRock Fund Advisors	on mkt buy	8.10	ord	2,624	2,624
11-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.14	ord	-1,434	-1,434
11-Jul-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-16,468	-16,468
12-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-6,392	-6,392
12-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-1,598	-1,598
12-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt buy	8.14	ord	50,425	50,425
12-Jul-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.14	ord	26,818	26,818
13-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,995	-3,995
13-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-799	-799
13-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.12	ord	-2,868	-2,868
13-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.12	ord	-956	-956
14-Jul-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-29,847	-29,847
17-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-9,588	-9,588
17-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-2,397	-2,397
17-Jul-23	BlackRock Asset Management Deutschland AG	on mkt sell	8.03	ord	-79,270	-79,270
18-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.18	ord	-478	-478
18-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.18	ord	-956	-956
19-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,995	-3,995
19-Jul-23	BlackRock Asset Management Deutschland AG	on mkt buy	8.08	ord	7,941	7,941
20-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-2,397	-2,397
20-Jul-23	BlackRock Asset Management Deutschland AG	on mkt buy	8.13	ord	5,294	5,294
21-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,076	-3,076
21-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-769	-769
21-Jul-23	BlackRock Asset Management Canada Limited	on mkt sell	8.15	ord	-121	-121
21-Jul-23	BlackRock Fund Advisors	on mkt sell	8.15	ord	-66,232	-66,232
24-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-2,307	-2,307
24-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.24	ord	-956	-956
25-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-1,538	-1,538
25-Jul-23	BlackRock Asset Management Deutschland AG	on mkt buy	8.29	ord	5,294	5,294
25-Jul-23	BlackRock Institutional Trust Company, National Association	on mkt sell	8.29	ord	-1,546	-1,546
26-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.32	ord	-478	-478
26-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	6,226	6,226
27-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,076	-3,076
27-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.26	ord	-1,434	-1,434
27-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.26	ord	-2,868	-2,868
27-Jul-23	BlackRock Advisors (UK) Limited	on mkt sell	8.26	ord	-2,868	-2,868
27-Jul-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	42,259	42,259
28-Jul-23	BlackRock Investment Management (Australia) Limited	on mkt buy	8.32	ord	57,117	57,117
28-Jul-23	BlackRock Advisors (UK) Limited	on mkt buy	8.30	ord	4,436	4,436
28-Jul-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-1	-1
31-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	-769	-769
31-Jul-23	BlackRock Fund Advisors	in specie	n/a	ord	3,311	3,311
31-Jul-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	62,646	62,646

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
01-Aug-23	BlackRock Asset Management Deutschland AG	on mkt buy	8.30	ord	2,649	2,649
01-Aug-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	31,074	31,074
02-Aug-23	BlackRock Fund Advisors	in specie	n/a	ord	2,862	2,862
02-Aug-23	BlackRock Fund Advisors	in specie	n/a	ord	-2,307	-2,307
02-Aug-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	139,882	139,882
03-Aug-23	BlackRock Fund Advisors	in specie	n/a	ord	-1,538	-1,538
03-Aug-23	BlackRock Asset Management Deutschland AG	on mkt buy	8.36	ord	2,651	2,651
03-Aug-23	BlackRock Advisors (UK) Limited	on mkt sell	8.36	ord	-1,431	-1,431
03-Aug-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-178,774	-178,774
04-Aug-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,076	-3,076
04-Aug-23	BlackRock Fund Advisors	in specie	n/a	ord	-1,538	-1,538
04-Aug-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,076	-3,076
04-Aug-23	BlackRock Advisors (UK) Limited	collateral transfer	n/a	ord	-97,086	-97,086
07-Aug-23	BlackRock Fund Advisors	in specie	n/a	ord	-1,538	-1,538
08-Aug-23	BlackRock Investment Management (Australia) Limited	in specie	n/a	ord	1,677,986	1,677,986
08-Aug-23	BlackRock Investment Management (Australia) Limited	in specie	n/a	ord	68,947	68,947
08-Aug-23	BlackRock Investment Management (Australia) Limited	in specie	n/a	ord	13,895,181	13,895,181
08-Aug-23	BlackRock Fund Advisors	in specie	n/a	ord	-1,538	-1,538
08-Aug-23	BlackRock Fund Advisors	in specie	n/a	ord	-3,076	-3,076
08-Aug-23	BlackRock Institutional Trust Company, National Association	on mkt buy	8.31	ord	12,836	12,836

Parties to the Derivative			
Investment Manager / Agent	Fund	On Behalf of	Counterparty
BLACKROCK FINANCIAL MANAGEMENT INC	BlackRock Absolute Macro Master Fund		HSBC
BLACKROCK INSTITUTIONAL TRUST CO NA	CPPIB MAP CAYMAN SPC		BNP PARIBAS
BLACKROCK INSTITUTIONAL TRUST CO NA	CPPIB MAP Cayman SPC		JP Morgan
BLACKROCK ADVISORS LLC	BlackRock Global Equity Market Neutral Fund		BNP PARIBAS
BLACKROCK ADVISORS LLC	BlackRock Global Equity Market Neutral Fund		MERRILL LYNCH INTERNATIONAL
BLACKROCK ADVISORS LLC	BlackRock Global Equity Market Neutral Fund		UBS AG
BLACKROCK ADVISORS LLC	BlackRock Global Equity Market Neutral Fund - US Large Cap		BNP PARIBAS
BLACKROCK ADVISORS LLC	BlackRock Global Equity Market Neutral Fund - US Large Cap		MERRILL LYNCH INTERNATIONAL
BLACKROCK ADVISORS LLC	BlackRock Global Equity Market Neutral Fund - US Large Cap		UBS AG
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BlackRock Systematic ESG Equity Absolute Return Fund		MORGAN STANLEY & CO INTERNATIONAL
BLACKROCK INVESTMENT MANAGEMENT (UK) LIMITED	BlackRock Systematic ESG Equity Absolute Return Fund		UBS AG