



7 April 2020

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

Attached is the substantial product holder notice lodged today with NZX by BlackRock Inc. and related bodies corporate advising that it has a substantial product holding.

Kirsten Clayton
Company Secretary

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 April 2020

Date on which substantial holding began: 03 April 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: 35,913,904 Ord
- (b) total in class: 718,077,598
- (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: *[specify details required by the instructions to this form]*
- Notional number of underlying shares: 2,792,369
 - 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	113,227	0.016%	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	7,451,669	1.038%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BLACKROCK ADVISORS, LLC	CFD	NZD	11,318	0.002%	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	220,226	0.031%	subsidiary of BlackRock Inc.	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management Deutschland AG	ORD	NZD	3,226,925	0.449%	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.	CFD	NZD	119,290	0.017%	subsidiary of BlackRock Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
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	13,427,880	1.870%	subsidiary of BlackRock Inc.	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	CFD	NZD	1,605,478	0.224%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock Institutional Trust Company, National Association	ORD	NZD	5,484,194	0.764%	subsidiary of BlackRock Inc.	1225 17th Street, Suite 300,
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	ORD	NZD	2,829,879	0.394%	subsidiary of BlackRock Inc.	12 Throgmorton Avenue London EC2N 2DL
BlackRock Investment Management, LLC	CFD	NZD	1,056,283	0.147%	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	68,089	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-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 Institutional Trust Company, National Association	in specie	n/a	ORD	-226,672	-226,672
06-Dec-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	ORD	-34,304	-34,304
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	7.2	CFD	-4,420	-4,420
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.2	CFD	-2,240	-2,240
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.2	ORD	10,872	10,872
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.2	ORD	16,308	16,308
11-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	7.20	ORD	861	861
12-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	7.2	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

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
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 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	7.15	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 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 ADVISORS, LLC	on mkt buy	7.16	CFD	5,961	5,961
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 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 ADVISORS, LLC	on mkt buy	7.15	CFD	3,545	3,545
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 ADVISORS, LLC	on mkt buy	7.13	CFD	5,820	5,820
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

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 Asset Management Deutschland AG	on mkt buy	7.10	ORD	9,038	9,038
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 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 ADVISORS, LLC	on mkt buy	7.19	CFD	5,126	5,126
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 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	on mkt buy	7.34	ORD	13,560	13,560
15-Jan-20	BlackRock Investment Management (UK)	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	on mkt buy	7.55	ORD	4,518	4,518
16-Jan-20	BlackRock Asset Management Deutschland	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)	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	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 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	on mkt buy	7.35	ORD	40,644	40,644
20-Jan-20	BlackRock Asset Management Canada	in specie	n/a	ORD	-879	-879
21-Jan-20	BlackRock Asset Management Deutschland	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
22-Jan-20	BlackRock Asset Management Deutschland	on mkt buy	7.42	ORD	9,042	9,042
22-Jan-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,552	6,552
22-Jan-20	BLACKROCK ADVISORS, LLC	on mkt buy	7.42	CFD	3,919	3,919

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
22-Jan-20	BlackRock Investment Management (UK)	on mkt sell	7.40	CFD	-1,980	-1,980
22-Jan-20	BlackRock Investment Management (UK)	on mkt sell	7.41	CFD	-80	-80
22-Jan-20	BlackRock Investment Management (UK)	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 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)	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 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	on mkt buy	7.40	ORD	9,038	9,038
28-Jan-20	BlackRock Asset Management Deutschland	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,	in specie	n/a	ORD	1,839	1,839
31-Jan-20	BlackRock Institutional Trust Company,	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,	on mkt buy	7.44	ORD	26,263	26,263
03-Feb-20	BlackRock Asset Management Deutschland	on mkt buy	7.26	ORD	13,560	13,560
03-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	28,254	28,254
03-Feb-20	BlackRock Asset Management Canada	in specie	n/a	ORD	-855	-855
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,	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	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

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05-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
06-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	39,260	39,260
07-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	16,440	16,440
07-Feb-20	BLACKROCK FINANCIAL MANAGEMENT,	on mkt buy	7.24	CFD	15,490	15,490
07-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.26	ORD	113,280	113,280
07-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.26	ORD	170,280	170,280
07-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.23	ORD	136,224	136,224
07-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	19,630	19,630
07-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
10-Feb-20	BlackRock Asset Management Deutschland	on mkt buy	7.22	ORD	4,524	4,524
10-Feb-20	BlackRock Asset Management Deutschland	on mkt buy	7.22	ORD	9,048	9,048
10-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.22	ORD	5,670	5,670
10-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	-26,463	-26,463
10-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	-79,389	-79,389
10-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
11-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.49	ORD	85,050	85,050
11-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.47	ORD	45,360	45,360
11-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.47	ORD	5,670	5,670
11-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,815	9,815
12-Feb-20	BlackRock Asset Management Deutschland	on mkt buy	7.57	ORD	9,048	9,048
12-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	8,022	8,022
12-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	7,124	7,124
12-Feb-20	BLACKROCK FINANCIAL MANAGEMENT,	on mkt buy	7.57	CFD	67,970	67,970
12-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.57	ORD	113,400	113,400
12-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.57	ORD	39,690	39,690
12-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.57	ORD	861	861
12-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.57	ORD	5,670	5,670
12-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	-26,463	-26,463
12-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
13-Feb-20	BlackRock Asset Management Deutschland	on mkt buy	7.59	ORD	9,046	9,046
13-Feb-20	BlackRock Fund Advisors	on mkt buy	7.62	ORD	10,067	10,067
13-Feb-20	BLACKROCK ADVISORS, LLC	on mkt sell	7.60	CFD	-10,123	-10,123
13-Feb-20	BlackRock Investment Management, LLC	on mkt sell	7.59	CFD	-38,670	-38,670
13-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.59	ORD	11,340	11,340
13-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.59	ORD	11,340	11,340
13-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.61	ORD	56,700	56,700
13-Feb-20	BlackRock Institutional Trust Company,	on mkt buy	7.59	ORD	40,012	40,012
13-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	-26,463	-26,463
13-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
13-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,815	9,815
13-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	49,075	49,075
14-Feb-20	BlackRock Asset Management Deutschland	on mkt buy	7.55	ORD	9,042	9,042
14-Feb-20	BLACKROCK ADVISORS, LLC	on mkt sell	7.52	CFD	-17,671	-17,671
14-Feb-20	BlackRock Investment Management, LLC	on mkt sell	7.51	CFD	-51,710	-51,710
14-Feb-20	BLACKROCK FINANCIAL MANAGEMENT,	on mkt buy	7.52	CFD	35,830	35,830
14-Feb-20	BlackRock Institutional Trust Company,	on mkt sell	7.52	ORD	-18,561	-18,561
14-Feb-20	BlackRock Asset Management Canada	on mkt sell	7.52	ORD	-4,956	-4,956
14-Feb-20	BlackRock Asset Management Deutschland	on mkt sell	7.55	ORD	-26,097	-26,097
14-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,815	9,815
14-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
17-Feb-20	BLACKROCK ADVISORS, LLC	on mkt sell	7.52	CFD	-5,523	-5,523
18-Feb-20	BlackRock Asset Management Deutschland	on mkt buy	7.62	ORD	8,992	8,992
18-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.63	ORD	56,690	56,690
18-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.62	ORD	5,669	5,669
18-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.62	ORD	22,676	22,676
18-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.62	ORD	28,345	28,345
18-Feb-20	BlackRock Asset Management Canada	in specie	n/a	ORD	-2,331	-2,331
19-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	39,260	39,260
19-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
19-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	225,745	225,745
19-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	39,260	39,260
19-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	2,920	2,920
20-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	19,630	19,630
20-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	68,705	68,705

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20-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,815	9,815
20-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,163	9,163
20-Feb-20	BlackRock Institutional Trust Company,	on mkt sell	7.59	CFD	-2,440	-2,440
20-Feb-20	BlackRock Advisors (UK) Limited	on mkt sell	7.58	ORD	-618	-618
20-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.61	ORD	85,035	85,035
20-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.60	ORD	28,345	28,345
20-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.60	ORD	17,007	17,007
20-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.60	ORD	34,014	34,014
20-Feb-20	BlackRock Institutional Trust Company,	on mkt buy	7.60	ORD	1,999	1,999
21-Feb-20	BlackRock Asset Management Deutschland	on mkt buy	7.55	ORD	8,990	8,990
21-Feb-20	BlackRock Investment Management, LLC	on mkt sell	7.51	CFD	-78,160	-78,160
21-Feb-20	BLACKROCK ADVISORS, LLC	on mkt sell	7.51	CFD	-6,703	-6,703
21-Feb-20	BlackRock Institutional Trust Company,	on mkt sell	7.51	CFD	-3,410	-3,410
21-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.53	ORD	85,020	85,020
24-Feb-20	BlackRock Institutional Trust Company,	on mkt sell	7.43	CFD	-2,450	-2,450
24-Feb-20	BlackRock Institutional Trust Company,	on mkt sell	7.43	CFD	-34,330	-34,330
24-Feb-20	BlackRock Advisors (UK) Limited	on mkt buy	7.39	ORD	11,336	11,336
24-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	-26,463	-26,463
24-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	-3,408	-3,408
24-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	-4,260	-4,260
25-Feb-20	BlackRock Institutional Trust Company,	on mkt sell	7.24	CFD	-27,273	-27,273
25-Feb-20	BlackRock Investment Management, LLC	on mkt sell	7.24	CFD	-10,339	-10,339
25-Feb-20	BlackRock Investment Management, LLC	on mkt sell	7.25	CFD	-48,125	-48,125
26-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,815	9,815
26-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	1,767	1,767
26-Feb-20	BlackRock Advisors (UK) Limited	on mkt sell	7.02	ORD	-22,668	-22,668
26-Feb-20	BlackRock Advisors (UK) Limited	on mkt sell	7.03	ORD	-170,010	-170,010
27-Feb-20	BlackRock Advisors (UK) Limited	on mkt sell	6.86	ORD	-56,690	-56,690
27-Feb-20	BlackRock Advisors (UK) Limited	on mkt sell	6.85	ORD	-34,014	-34,014
27-Feb-20	BlackRock Institutional Trust Company,	on mkt buy	6.85	ORD	5,598	5,598
27-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	-52,926	-52,926
28-Feb-20	BlackRock Asset Management Deutschland	on mkt buy	6.70	ORD	13,491	13,491
28-Feb-20	BlackRock Asset Management Deutschland	on mkt sell	6.70	ORD	-17,988	-17,988
28-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	19,630	19,630
28-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	5,724	5,724
28-Feb-20	BlackRock Advisors (UK) Limited	on mkt sell	6.69	ORD	-5,669	-5,669
28-Feb-20	BlackRock Advisors (UK) Limited	on mkt sell	6.69	ORD	-56,690	-56,690
28-Feb-20	BlackRock Institutional Trust Company,	on mkt buy	6.70	ORD	27,536	27,536
28-Feb-20	BlackRock Institutional Trust Company,	on mkt buy	6.70	ORD	6,279	6,279
28-Feb-20	BlackRock Institutional Trust Company,	on mkt buy	6.70	ORD	1,128	1,128
28-Feb-20	BlackRock Fund Advisors	in specie	n/a	ORD	-19,452	-19,452
02-Mar-20	BlackRock Institutional Trust Company,	in specie	n/a	ORD	44,955	44,955
02-Mar-20	BlackRock Asset Management Deutschland	on mkt sell	6.60	ORD	-49,467	-49,467
02-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-29,445	-29,445
02-Mar-20	BlackRock Institutional Trust Company,	in specie	n/a	ORD	9,434	9,434
02-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	2,968	2,968
02-Mar-20	BlackRock Advisors (UK) Limited	on mkt sell	6.58	ORD	-56,690	-56,690
02-Mar-20	BlackRock Institutional Trust Company,	on mkt buy	6.60	ORD	4,618	4,618
02-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-22,694	-22,694
02-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	52,926	52,926
03-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	6.59	ORD	28,345	28,345
03-Mar-20	BlackRock Institutional Trust Company,	on mkt buy	6.59	ORD	2,963	2,963
03-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-79,389	-79,389
04-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	6.75	ORD	18,000	18,000
04-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	6.71	ORD	113,400	113,400
04-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	6.75	ORD	17,010	17,010
04-Mar-20	BlackRock Institutional Trust Company,	on mkt buy	6.75	ORD	7,444	7,444
04-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-12,964	-12,964
05-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	6.98	ORD	4,499	4,499
05-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
05-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
05-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	2,360	2,360
05-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	7.00	CFD	-40,240	-40,240
05-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.99	CFD	-4,140	-4,140

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06-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	6.83	ORD	8,998	8,998
06-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	6.83	ORD	8,998	8,998
06-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.84	CFD	-72,093	-72,093
06-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.84	CFD	-4,111	-4,111
06-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.86	CFD	-4,210	-4,210
06-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	19,630	19,630
06-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	1,782	1,782
06-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	1,188	1,188
06-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	6.83	ORD	22,676	22,676
09-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	6.50	ORD	8,992	8,992
09-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	9,815	9,815
09-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
09-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.56	CFD	-4,920	-4,920
09-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.54	CFD	-94,130	-94,130
09-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.54	CFD	-4,900	-4,900
09-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-25,928	-25,928
09-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-9,723	-9,723
09-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-16,205	-16,205
09-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-1,194	-1,194
10-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	29,445	29,445
10-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.30	CFD	-2,790	-2,790
10-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.30	CFD	-77,370	-77,370
10-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.28	CFD	-5,030	-5,030
10-Mar-20	BlackRock Advisors (UK) Limited	on mkt sell	6.30	ORD	-181,376	-181,376
11-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	6.24	ORD	13,476	13,476
11-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	6.24	ORD	13,476	13,476
11-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	6.24	ORD	4,492	4,492
11-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.30	CFD	-44,430	-44,430
11-Mar-20	BlackRock Investment Management, LLC	on mkt sell	6.32	CFD	-37,750	-37,750
11-Mar-20	BlackRock Investment Management, LLC	on mkt sell	6.31	CFD	-28,581	-28,581
11-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	4,260	4,260
11-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	3,195	3,195
11-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	6.32	ORD	11,346	11,346
11-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	6.24	ORD	11,346	11,346
11-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-52,926	-52,926
12-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	6.19	ORD	4,498	4,498
12-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	58,890	58,890
12-Mar-20	BlackRock Investment Management, LLC	on mkt sell	6.22	CFD	-48,070	-48,070
12-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.21	CFD	-60,070	-60,070
12-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	6.21	CFD	-5,170	-5,170
12-Mar-20	BlackRock Institutional Trust Company,	on mkt buy	6.19	ORD	712	712
12-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	238,167	238,167
13-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	5.96	CFD	-51,690	-51,690
13-Mar-20	BlackRock Investment Management, LLC	on mkt sell	5.96	CFD	-33,606	-33,606
13-Mar-20	BlackRock Investment Management, LLC	on mkt sell	5.96	CFD	-22,555	-22,555
13-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	5.94	CFD	-3,790	-3,790
13-Mar-20	BlackRock Investment Management, LLC	on mkt sell	5.94	CFD	-21,730	-21,730
13-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-8,624	-8,624
13-Mar-20	BlackRock Advisors (UK) Limited	on mkt sell	5.96	ORD	-28,370	-28,370
16-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	5.89	ORD	8,980	8,980
16-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	5.89	ORD	8,980	8,980
16-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	7,152	7,152
16-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	3,576	3,576
16-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.89	ORD	5,672	5,672
16-Mar-20	BlackRock Advisors (UK) Limited	on mkt sell	5.89	ORD	-1,722	-1,722
16-Mar-20	BlackRock Institutional Trust Company,	on mkt buy	5.89	ORD	13,302	13,302
16-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-9,747	-9,747
17-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,677	6,677
17-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	3,035	3,035
17-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	3,035	3,035
17-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-4,047	-4,047
17-Mar-20	BlackRock Fund Advisors	on mkt buy	5.92	ORD	302,107	302,107
17-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.92	ORD	339,340	339,340
17-Mar-20	BlackRock Advisors (UK) Limited	on mkt sell	5.80	ORD	-22,692	-22,692

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17-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.93	ORD	861	861
17-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-211,704	-211,704
17-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-1,761	-1,761
18-Mar-20	BlackRock Fund Advisors	on mkt sell	6.06	ORD	-2,265	-2,265
18-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	5.88	CFD	-5,350	-5,350
18-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	5.88	CFD	-8,190	-8,190
18-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.92	ORD	11,920	11,920
18-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.80	ORD	2,583	2,583
18-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-6,496	-6,496
19-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	5.47	CFD	-15,244	-15,244
19-Mar-20	BlackRock Investment Management (UK)	on mkt sell	5.45	CFD	-260	-260
19-Mar-20	BlackRock Investment Management, LLC	on mkt sell	5.45	CFD	-68,660	-68,660
19-Mar-20	BlackRock Investment Management (UK)	on mkt sell	5.45	CFD	-3,765	-3,765
19-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	5.45	CFD	-68,660	-68,660
19-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	5.45	CFD	-2,630	-2,630
19-Mar-20	BlackRock Advisors (UK) Limited	on mkt sell	5.35	ORD	-861	-861
19-Mar-20	BlackRock Fund Advisors	on mkt buy	5.35	ORD	11,609	11,609
19-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-12,948	-12,948
19-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	3,115	3,115
19-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	2,556	2,556
20-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	4,389	4,389
20-Mar-20	BlackRock Asset Management Deutschland	on mkt sell	5.26	ORD	-1,165,350	-1,165,350
20-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.26	ORD	150,775	150,775
20-Mar-20	BlackRock Investment Management (UK)	on mkt buy	5.30	ORD	16,772	16,772
20-Mar-20	BlackRock Investment Management (UK)	on mkt buy	5.30	ORD	33,385	33,385
20-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.30	ORD	18,564	18,564
20-Mar-20	BlackRock Institutional Trust Company,	on mkt buy	5.30	ORD	29,551	29,551
20-Mar-20	BlackRock Institutional Trust Company,	on mkt buy	5.30	ORD	11,795	11,795
20-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	5,510	5,510
20-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	4,389	4,389
23-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	3,804	3,804
23-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	21,520	21,520
23-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	4.72	CFD	-2,120	-2,120
23-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	4.71	CFD	-39,000	-39,000
23-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	4.70	CFD	-6,990	-6,990
23-Mar-20	BlackRock Advisors (UK) Limited	on mkt sell	4.80	ORD	-6,042	-6,042
23-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-19,440	-19,440
24-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	5.08	ORD	3,300	3,300
24-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,468	6,468
24-Mar-20	BlackRock Japan Co., Ltd.	on mkt buy	5.10	ORD	3,836	3,836
24-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.06	ORD	36,258	36,258
24-Mar-20	BlackRock Asset Management Deutschland	on mkt sell	5.08	ORD	-95,328	-95,328
24-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	6,390	6,390
24-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	2,130	2,130
24-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	4,260	4,260
24-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	4,459	4,459
25-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-93,681	-93,681
25-Mar-20	BlackRock Advisors (UK) Limited	on mkt sell	5.26	ORD	-6,044	-6,044
25-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.26	ORD	861	861
25-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-79,257	-79,257
26-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	5.57	ORD	6,514	6,514
26-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.57	ORD	24,188	24,188
26-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	2,140	2,140
26-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	4,280	4,280
27-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	5.47	ORD	3,258	3,258
27-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-132,095	-132,095
30-Mar-20	BlackRock Asset Management Deutschland	on mkt buy	5.64	ORD	3,254	3,254
30-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.64	ORD	96,832	96,832
31-Mar-20	BlackRock Asset Management Deutschland	on mkt sell	5.76	ORD	-13,012	-13,012
31-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	11,342	11,342
31-Mar-20	BlackRock Institutional Trust Company,	on mkt sell	5.76	CFD	-152,170	-152,170
31-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.76	ORD	24,208	24,208
31-Mar-20	BlackRock Advisors (UK) Limited	on mkt buy	5.80	ORD	36,312	36,312
31-Mar-20	BlackRock (Netherlands) B.V.	on mkt buy	5.76	ORD	16,809	16,809

Transaction Date	Person whose relevant interest changed	Nature of change / Consideration (NZD)		Class and number of securities affected		Person's votes affected
31-Mar-20	BlackRock Fund Advisors	in specie	n/a	ORD	-19,518	-19,518
01-Apr-20	BlackRock Fund Advisors	in specie	n/a	ORD	83,272	83,272
01-Apr-20	BlackRock Fund Advisors	in specie	n/a	ORD	5,152	5,152
01-Apr-20	BlackRock Fund Advisors	in specie	n/a	ORD	3,220	3,220
01-Apr-20	BlackRock Fund Advisors	in specie	n/a	ORD	15,900	15,900
01-Apr-20	BlackRock Advisors (UK) Limited	on mkt buy	5.94	ORD	12,104	12,104
01-Apr-20	BlackRock Advisors (UK) Limited	on mkt sell	5.85	ORD	-12,104	-12,104
01-Apr-20	BlackRock Advisors (UK) Limited	on mkt buy	5.85	ORD	4,305	4,305
01-Apr-20	BlackRock Institutional Trust Company,	on mkt buy	5.85	ORD	51,779	51,779
01-Apr-20	BlackRock Fund Advisors	in specie	n/a	ORD	-22,764	-22,764
02-Apr-20	BlackRock Asset Management Deutschland	on mkt buy	5.79	ORD	3,250	3,250
02-Apr-20	BlackRock Advisors (UK) Limited	on mkt buy	5.79	ORD	60,510	60,510
02-Apr-20	BlackRock Fund Advisors	in specie	n/a	ORD	-6,478	-6,478
02-Apr-20	BlackRock Fund Advisors	in specie	n/a	ORD	-16,195	-16,195
03-Apr-20	BlackRock Advisors (UK) Limited	on mkt buy	5.94	ORD	30,250	30,250
03-Apr-20	BlackRock Asset Management Deutschland	on mkt buy	5.94	ORD	22,981	22,981
03-Apr-20	BlackRock Fund Advisors	in specie	n/a	ORD	52,838	52,838

Appendix C

Parties to the Derivative			
Investment Manager / Agent	Fund	On Behalf of	Counterparty
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 FINANCIAL MANAGEMENT INC	CMAP Style Advantage - JPM		JP Morgan
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