

Form 604

Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme TREASURY WINE ESTATES LTD

ACN/ARSN 004 373 862

1. Details of substantial holder(1)

Name BlackRock Group (BlackRock Inc. and subsidiaries named in Annexures
ACN/ARSN (if applicable) to this form)

There was a change in the interests of the substantial holder on 14 / 01 / 2020

The previous notice was given to the company on 17 / 12 / 2019

The previous notice was dated 13 / 12 / 2019

2. Previous and present voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
ord	51,992,128	7.22	59,932,876	8.32

3. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected
	See Annexure A & D				

4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
	See Annexure B				

5. Changes in association

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

Name and ACN/ARSN (if applicable)	Nature of association

6. Addresses

The addresses of persons named in this form are as follows:

Name	Address
Annexure C	

Signature

print name Maria Tricarico

capacity *Authorised Signatory

sign here

date 16 / 01 / 2020

* At a meeting of the Board on 22 November 2013, the Directors resolved to approve the delegation of the preparation and lodgement of substantial shareholder notices on behalf of BlackRock Investment Management (Australia) Limited.

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 6 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (6) Include details of:
 - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (7) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

This is Annexure A of 17 pages referred to in form 604 Notice of change of interests of substantial shareholder

16-Jan-20

Maria Tricarico,
 Authorised Signatory

Date

5. Consideration

TREASURY WINE ESTATES LTD (TWE)							
Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
16-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,824	-3,824
16-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.82	AUD	ORD	11,142	11,142
16-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.82	AUD	ORD	17,417	17,417
16-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.70	AUD	ORD	1,581	1,581
16-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy	16.67	AUD	ORD	6,394	6,394
16-Dec-19	BlackRock Fund Advisors	on mkt buy	16.67	AUD	ORD	9,119	9,119
16-Dec-19	BlackRock Fund Advisors	on mkt sell	16.67	AUD	ORD	-8,505	-8,505
16-Dec-19	BlackRock Fund Advisors	on mkt sell	16.67	AUD	ORD	-21,088	-21,088
16-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.67	AUD	ORD	11,068	11,068
16-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.67	AUD	ORD	-10,216	-10,216
16-Dec-19	BlackRock Fund Advisors	on mkt sell	16.67	AUD	ORD	-14,345	-14,345
16-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	456	456
16-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-92,540	-92,540
16-Dec-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	20,836	20,836
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.66	AUD	ORD	5,902	5,902
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	6,879	6,879
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	2,251	2,251
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	7,453	7,453
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	3,943	3,943
17-Dec-19	BlackRock Advisors, LLC	on mkt buy	16.65	AUD	ORD	8,746	8,746
17-Dec-19	BlackRock Advisors, LLC	on mkt buy	16.65	AUD	ORD	3,058	3,058
17-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy	16.65	AUD	ORD	2,726	2,726
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.65	AUD	ORD	18,406	18,406
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.65	AUD	ORD	7,326	7,326
17-Dec-19	BlackRock International Limited	on mkt buy	16.65	AUD	ORD	8,927	8,927
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	38,804	38,804
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	3,859	3,859
17-Dec-19	BlackRock Advisors, LLC	on mkt buy	16.65	AUD	ORD	2,318	2,318
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	44,619	44,619
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	7,134	7,134
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	16,283	16,283
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.65	AUD	ORD	9,141	9,141
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.65	AUD	ORD	7,232	7,232
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.65	AUD	ORD	2,470	2,470
17-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy	16.65	AUD	ORD	2,102	2,102
17-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy	16.65	AUD	ORD	12,368	12,368

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)	CCY	Class and number of securities affected	Person's votes affected
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.65	AUD	ORD 4,509	4,509
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.65	AUD	ORD 25,183	25,183
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.65	AUD	ORD 15,206	15,206
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.65	AUD	ORD 4,759	4,759
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.65	AUD	ORD 1,590	1,590
17-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.65	AUD	ORD 1,721	1,721
17-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.65	AUD	ORD 2,013	2,013
17-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy 16.65	AUD	ORD 1,053	1,053
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.66	AUD	ORD 15,825	15,825
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 985	985
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 1,424	1,424
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 1,278	1,278
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 4,235	4,235
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 2,240	2,240
17-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy 16.63	AUD	ORD 218	218
17-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.63	AUD	ORD 4,970	4,970
17-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.63	AUD	ORD 1,736	1,736
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.63	AUD	ORD 903	903
17-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.63	AUD	ORD 1,548	1,548
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.63	AUD	ORD 10,458	10,458
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.63	AUD	ORD 4,162	4,162
17-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.63	AUD	ORD 977	977
17-Dec-19	BlackRock International Limited	on mkt buy 16.63	AUD	ORD 5,073	5,073
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 22,047	22,047
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 2,192	2,192
17-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.63	AUD	ORD 1,316	1,316
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 25,353	25,353
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 4,053	4,053
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 9,252	9,252
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy 16.63	AUD	ORD 5,194	5,194
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy 16.63	AUD	ORD 4,108	4,108
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.63	AUD	ORD 1,403	1,403
17-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.63	AUD	ORD 1,193	1,193
17-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.63	AUD	ORD 7,028	7,028
17-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.63	AUD	ORD 1,143	1,143
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.63	AUD	ORD 2,561	2,561
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 14,309	14,309
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.63	AUD	ORD 8,641	8,641
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 3,612	3,612

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)	CCY	Class and number of securities affected	Person's votes affected
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 5,222	5,222
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 4,688	4,688
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 15,528	15,528
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 8,214	8,214
17-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy 16.60	AUD	ORD 799	799
17-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.60	AUD	ORD 18,222	18,222
17-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.60	AUD	ORD 6,367	6,367
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.60	AUD	ORD 3,312	3,312
17-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.60	AUD	ORD 5,677	5,677
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.60	AUD	ORD 38,346	38,346
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.60	AUD	ORD 15,263	15,263
17-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.60	AUD	ORD 3,585	3,585
17-Dec-19	BlackRock International Limited	on mkt buy 16.60	AUD	ORD 18,597	18,597
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 80,840	80,840
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 8,037	8,037
17-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.60	AUD	ORD 4,827	4,827
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 92,957	92,957
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 14,863	14,863
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 33,923	33,923
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy 16.60	AUD	ORD 19,044	19,044
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy 16.60	AUD	ORD 15,065	15,065
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.60	AUD	ORD 5,145	5,145
17-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.60	AUD	ORD 4,376	4,376
17-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.60	AUD	ORD 25,766	25,766
17-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.60	AUD	ORD 4,192	4,192
17-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.60	AUD	ORD 9,390	9,390
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 52,463	52,463
17-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 31,680	31,680
17-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy 16.69	AUD	ORD 64	64
17-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy 16.69	AUD	ORD 8,190	8,190
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell 16.69	AUD	ORD -893	-893
17-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy 16.69	AUD	ORD 101	101
17-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.69	AUD	ORD 5,365	5,365
17-Dec-19	BlackRock Japan Co., Ltd.	collateral transfer n/a	AUD	ORD -40,825	-40,825
17-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD 52,005	52,005
17-Dec-19	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD 34,775	34,775
18-Dec-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 8,096	8,096
18-Dec-19	BlackRock Japan Co., Ltd.	on mkt buy 16.76	AUD	ORD 58,167	58,167
18-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.76	AUD	ORD 7,867	7,867
18-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.75	AUD	ORD 14,482	14,482
18-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.75	AUD	ORD 15,515	15,515
18-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.76	AUD	ORD 18,499	18,499

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)	CCY	Class and number of securities affected	Person's votes affected		
18-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.76	AUD	ORD	3,804	3,804
18-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.76	AUD	ORD	6,451	6,451
18-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.76	AUD	ORD	11,219	11,219
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.76	AUD	ORD	10,845	10,845
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.76	AUD	ORD	4,703	4,703
18-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.76	AUD	ORD	3,771	3,771
18-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.75	AUD	ORD	8,975	8,975
18-Dec-19	BlackRock Japan Co., Ltd.	on mkt buy	16.76	AUD	ORD	3,935	3,935
18-Dec-19	BlackRock Japan Co., Ltd.	on mkt buy	16.76	AUD	ORD	17,414	17,414
18-Dec-19	BlackRock Japan Co., Ltd.	on mkt buy	16.76	AUD	ORD	10,230	10,230
18-Dec-19	BlackRock Japan Co., Ltd.	on mkt buy	16.76	AUD	ORD	11,895	11,895
18-Dec-19	BlackRock Japan Co., Ltd.	on mkt buy	16.76	AUD	ORD	28,226	28,226
18-Dec-19	BlackRock Japan Co., Ltd.	on mkt buy	16.76	AUD	ORD	21,804	21,804
18-Dec-19	BlackRock Advisors, LLC	on mkt buy	16.75	AUD	ORD	4,175	4,175
18-Dec-19	BlackRock Investment Management, LLC	on mkt buy	16.75	AUD	ORD	39,371	39,371
18-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.76	AUD	ORD	1,876	1,876
18-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.75	AUD	ORD	6,509	6,509
18-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.76	AUD	ORD	20,737	20,737
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.76	AUD	ORD	63,654	63,654
18-Dec-19	BlackRock Investment Management, LLC	on mkt buy	16.76	AUD	ORD	7,767	7,767
18-Dec-19	BlackRock Investment Management, LLC	on mkt buy	16.76	AUD	ORD	2,266	2,266
18-Dec-19	BlackRock Investment Management, LLC	on mkt buy	16.76	AUD	ORD	9,575	9,575
18-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.76	AUD	ORD	5,218	5,218
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.76	AUD	ORD	1,581	1,581
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.76	AUD	ORD	12,648	12,648
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	16.76	AUD	ORD	-1,966	-1,966
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.76	AUD	ORD	12,648	12,648
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.76	AUD	ORD	482	482
18-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.76	AUD	ORD	101	101
18-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.76	AUD	ORD	-3,693	-3,693
18-Dec-19	BlackRock Investment Management, LLC	on mkt sell	16.76	AUD	ORD	-1,773	-1,773
18-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.76	AUD	ORD	1,370	1,370
18-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	456	456
18-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-54,417	-54,417
18-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	20,253	20,253
18-Dec-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-90,076	-90,076
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.79	AUD	ORD	7,079	7,079
19-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.79	AUD	ORD	5,823	5,823
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.79	AUD	ORD	22,174	22,174
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.79	AUD	ORD	13,791	13,791
19-Dec-19	BlackRock Advisors, LLC	on mkt buy	16.79	AUD	ORD	23,014	23,014
19-Dec-19	BlackRock Advisors, LLC	on mkt buy	16.79	AUD	ORD	8,199	8,199
19-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.79	AUD	ORD	5,215	5,215
19-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy	16.79	AUD	ORD	8,153	8,153
19-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.86	AUD	ORD	7,971	7,971
19-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.79	AUD	ORD	52,697	52,697
19-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.79	AUD	ORD	21,080	21,080

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)	CCY	Class and number of securities affected	Person's votes affected
19-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.79	AUD	ORD 5,479	5,479
19-Dec-19	BlackRock International Limited	on mkt buy 16.79	AUD	ORD 26,033	26,033
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.79	AUD	ORD 141,133	141,133
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.79	AUD	ORD 12,713	12,713
19-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.79	AUD	ORD 13,278	13,278
19-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.79	AUD	ORD 6,964	6,964
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.79	AUD	ORD 119,380	119,380
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.79	AUD	ORD 18,889	18,889
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.79	AUD	ORD 48,092	48,092
19-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy 16.79	AUD	ORD 30,951	30,951
19-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy 16.79	AUD	ORD 24,164	24,164
19-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.79	AUD	ORD 8,485	8,485
19-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy 16.86	AUD	ORD 18,072	18,072
19-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.79	AUD	ORD 5,985	5,985
19-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.79	AUD	ORD 32,343	32,343
19-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.79	AUD	ORD 6,357	6,357
19-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.79	AUD	ORD 13,292	13,292
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.79	AUD	ORD 81,479	81,479
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.79	AUD	ORD 31,532	31,532
19-Dec-19	BlackRock Asset Management North Asia Limited	on mkt sell 16.79	AUD	ORD -7,184	-7,184
19-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy 16.80	AUD	ORD 352	352
19-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.80	AUD	ORD 15,546	15,546
19-Dec-19	BlackRock Japan Co., Ltd.	collateral transfer n/a	AUD	ORD 133,456	133,456
19-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD -20,264	-20,264
19-Dec-19	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD -17,605	-17,605
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy 16.84	AUD	ORD 9,853	9,853
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy 16.84	AUD	ORD 29,739	29,739
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy 16.83	AUD	ORD 25,122	25,122
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy 16.84	AUD	ORD 5,488	5,488
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy 16.83	AUD	ORD 15,972	15,972
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.83	AUD	ORD 2,785	2,785
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.83	AUD	ORD 1,122	1,122
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.83	AUD	ORD 1,133	1,133
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.83	AUD	ORD 4,977	4,977
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.83	AUD	ORD 5,423	5,423
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.83	AUD	ORD 5,288	5,288
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.82	AUD	ORD 2,461	2,461
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.82	AUD	ORD 7,514	7,514
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.82	AUD	ORD 6,047	6,047
20-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.82	AUD	ORD 13,867	13,867
20-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.82	AUD	ORD 3,426	3,426

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20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.82	AUD	ORD 1,906	1,906
20-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.82	AUD	ORD 2,687	2,687
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.82	AUD	ORD 17,154	17,154
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.82	AUD	ORD 7,173	7,173
20-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.82	AUD	ORD 2,006	2,006
20-Dec-19	BlackRock International Limited	on mkt buy 16.82	AUD	ORD 9,792	9,792
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.82	AUD	ORD 52,314	52,314
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.82	AUD	ORD 4,738	4,738
20-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.82	AUD	ORD 3,600	3,600
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.82	AUD	ORD 58,982	58,982
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.82	AUD	ORD 10,306	10,306
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.82	AUD	ORD 15,394	15,394
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy 16.82	AUD	ORD 11,559	11,559
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy 16.82	AUD	ORD 9,205	9,205
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.82	AUD	ORD 3,463	3,463
20-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.82	AUD	ORD 3,183	3,183
20-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.82	AUD	ORD 16,825	16,825
20-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.82	AUD	ORD 2,219	2,219
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.82	AUD	ORD 4,517	4,517
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.82	AUD	ORD 40,621	40,621
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.82	AUD	ORD 17,403	17,403
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.82	AUD	ORD 12,756	12,756
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.84	AUD	ORD 7,571	7,571
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.84	AUD	ORD 7,382	7,382
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.84	AUD	ORD 4,382	4,382
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.84	AUD	ORD 13,389	13,389
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.84	AUD	ORD 10,773	10,773
20-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.84	AUD	ORD 24,708	24,708
20-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.84	AUD	ORD 6,103	6,103
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.84	AUD	ORD 3,395	3,395
20-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy 16.84	AUD	ORD 4,786	4,786
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.84	AUD	ORD 30,563	30,563
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.84	AUD	ORD 12,781	12,781
20-Dec-19	BlackRock Investment Management, LLC	on mkt buy 16.84	AUD	ORD 3,571	3,571
20-Dec-19	BlackRock International Limited	on mkt buy 16.84	AUD	ORD 17,446	17,446
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.84	AUD	ORD 93,213	93,213
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.84	AUD	ORD 8,441	8,441
20-Dec-19	BlackRock Advisors, LLC	on mkt buy 16.84	AUD	ORD 6,413	6,413
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.84	AUD	ORD 105,094	105,094
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy 16.84	AUD	ORD 18,363	18,363

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20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.84	AUD	ORD	27,429	27,429
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.84	AUD	ORD	20,595	20,595
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.84	AUD	ORD	16,401	16,401
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.84	AUD	ORD	6,168	6,168
20-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy	16.84	AUD	ORD	5,670	5,670
20-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy	16.84	AUD	ORD	29,980	29,980
20-Dec-19	BlackRock Investment Management, LLC	on mkt buy	16.84	AUD	ORD	3,953	3,953
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.84	AUD	ORD	8,045	8,045
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.84	AUD	ORD	72,376	72,376
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.84	AUD	ORD	31,009	31,009
20-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.80	AUD	ORD	2,426	2,426
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.84	AUD	ORD	3,170	3,170
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	16.84	AUD	ORD	-3,312	-3,312
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.84	AUD	ORD	588	588
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	16.84	AUD	ORD	-882	-882
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.84	AUD	ORD	704	704
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt sell	16.84	AUD	ORD	-149	-149
20-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.84	AUD	ORD	1,056	1,056
20-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.84	AUD	ORD	25,088	25,088
20-Dec-19	BlackRock Investment Management (UK) Limited	on mkt buy	16.84	AUD	ORD	8,367	8,367
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.84	AUD	ORD	5,920	5,920
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.84	AUD	ORD	1,973	1,973
20-Dec-19	BlackRock Investment Management, LLC	on mkt sell	16.84	AUD	ORD	-780	-780
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.84	AUD	ORD	3,628	3,628
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.84	AUD	ORD	10,871	10,871
20-Dec-19	BlackRock Fund Advisors	on mkt buy	16.84	AUD	ORD	7,247	7,247
20-Dec-19	BlackRock Fund Advisors	on mkt buy	16.84	AUD	ORD	21,729	21,729
20-Dec-19	BlackRock Fund Advisors	on mkt buy	16.84	AUD	ORD	6,439	6,439
20-Dec-19	BlackRock Fund Advisors	on mkt buy	16.84	AUD	ORD	2,148	2,148
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.84	AUD	ORD	2,011	2,011
20-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.84	AUD	ORD	6,028	6,028
20-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy	16.84	AUD	ORD	1,292	1,292
20-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy	16.84	AUD	ORD	3,880	3,880
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.84	AUD	ORD	208	208
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.84	AUD	ORD	67	67
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.84	AUD	ORD	2,818	2,818
20-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.84	AUD	ORD	937	937
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.84	AUD	ORD	1,020	1,020
20-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.84	AUD	ORD	3,066	3,066
20-Dec-19	BlackRock Fund Advisors	on mkt buy	16.84	AUD	ORD	5,438	5,438
20-Dec-19	BlackRock Fund Advisors	on mkt buy	16.84	AUD	ORD	1,813	1,813
20-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-12,880	-12,880
20-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-11,294	-11,294
20-Dec-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-1,807	-1,807
20-Dec-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-4,718	-4,718

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20-Dec-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	328,518	328,518
20-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	225,432	225,432
23-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	831	831
23-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-5,214	-5,214
23-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.85	AUD	ORD	6,330	6,330
23-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.77	AUD	ORD	14,972	14,972
23-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.77	AUD	ORD	18,288	18,288
23-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.73	AUD	ORD	1,969	1,969
23-Dec-19	BlackRock Investment Management, LLC	on mkt buy	16.73	AUD	ORD	2,652	2,652
23-Dec-19	BlackRock Asset Management Canada Limited	on mkt buy	16.73	AUD	ORD	221	221
23-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,140	1,140
23-Dec-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-412,250	-412,250
23-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-215,067	-215,067
24-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	12,811	12,811
24-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	12,288	12,288
24-Dec-19	BlackRock Asset Management North Asia Limited	on mkt sell	16.63	AUD	ORD	-13,175	-13,175
24-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.65	AUD	ORD	1,638	1,638
24-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,599	1,599
24-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	1	1
24-Dec-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	431,762	431,762
25-Dec-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-92,457	-92,457
25-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-62,359	-62,359
25-Dec-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-4	-4
26-Dec-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	92,457	92,457
26-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	410,988	410,988
26-Dec-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	12,937	12,937
27-Dec-19	BlackRock Investment Management (Australia) Limited	on mkt buy	16.62	AUD	ORD	4,914	4,914
27-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.62	AUD	ORD	3,767	3,767
27-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,132	2,132
27-Dec-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-92,457	-92,457
27-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-405,984	-405,984
27-Dec-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-12,933	-12,933
30-Dec-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	229	229
30-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.61	AUD	ORD	15,701	15,701
30-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.61	AUD	ORD	20,439	20,439
30-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.60	AUD	ORD	1,585	1,585
30-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.60	AUD	ORD	434	434
30-Dec-19	BlackRock Japan Co., Ltd.	on mkt sell	16.60	AUD	ORD	-304	-304
30-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.60	AUD	ORD	-3,754	-3,754
30-Dec-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	2,736	2,736
30-Dec-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	21,605	21,605
30-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	8,295	8,295
30-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	AUD	ORD	30,011	30,011
30-Dec-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	407,821	407,821
30-Dec-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-155,526	-155,526
30-Dec-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	90,647	90,647
31-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.24	AUD	ORD	217	217
31-Dec-19	BlackRock Advisors (UK) Limited	on mkt buy	16.24	AUD	ORD	876	876
31-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt buy	16.24	AUD	ORD	8,473	8,473
31-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	16.24	AUD	ORD	-4,286	-4,286
31-Dec-19	BlackRock Institutional Trust Company, National Association	on mkt sell	16.24	AUD	ORD	-18,755	-18,755

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31-Dec-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	-171	-171
31-Dec-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-1,211	-1,211
31-Dec-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	16,495	16,495
31-Dec-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	AUD	ORD	-947	-947
31-Dec-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-13,750	-13,750
31-Dec-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	325,467	325,467
31-Dec-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-3,770	-3,770
01-Jan-20	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	24	24
01-Jan-20	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	31	31
01-Jan-20	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-29,794	-29,794
01-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	AUD	ORD	260	260
01-Jan-20	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-1,424	-1,424
01-Jan-20	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-346,917	-346,917
01-Jan-20	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	149	149
02-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt buy	16.19	AUD	ORD	7,371	7,371
02-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt buy	16.19	AUD	ORD	1,638	1,638
02-Jan-20	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	-367	-367
02-Jan-20	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-765	-765
02-Jan-20	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	86,675	86,675
02-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	AUD	ORD	-1,049	-1,049
02-Jan-20	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-11,129	-11,129
02-Jan-20	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	8,147	8,147
02-Jan-20	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-2,111	-2,111
03-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.20	AUD	ORD	16,605	16,605
03-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.20	AUD	ORD	14,771	14,771
03-Jan-20	BlackRock Advisors, LLC	on mkt buy	16.20	AUD	ORD	5,446	5,446
03-Jan-20	BlackRock Investment Management, LLC	on mkt buy	16.20	AUD	ORD	22,280	22,280
03-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	16.20	AUD	ORD	1,148	1,148
03-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	16.13	AUD	ORD	1,971	1,971
03-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	16.13	AUD	ORD	217	217
03-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	16.13	AUD	ORD	352	352
03-Jan-20	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	20	20
03-Jan-20	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-877	-877
03-Jan-20	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-24,443	-24,443
03-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	AUD	ORD	-1,811	-1,811
03-Jan-20	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-21,380	-21,380
03-Jan-20	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-14	-14
03-Jan-20	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-3,224	-3,224
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	5,978	5,978
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	5,855	5,855
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	2,822	2,822
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	8,717	8,717
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	4,362	4,362
06-Jan-20	BlackRock Advisors, LLC	on mkt buy	16.16	AUD	ORD	20,402	20,402
06-Jan-20	BlackRock Advisors, LLC	on mkt buy	16.16	AUD	ORD	4,148	4,148

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06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.16	AUD	ORD	2,051	2,051
06-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	16.16	AUD	ORD	2,838	2,838
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.16	AUD	ORD	28,908	28,908
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.16	AUD	ORD	10,768	10,768
06-Jan-20	BlackRock Investment Management, LLC	on mkt buy	16.16	AUD	ORD	1,745	1,745
06-Jan-20	BlackRock International Limited	on mkt buy	16.16	AUD	ORD	11,425	11,425
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	63,998	63,998
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	5,452	5,452
06-Jan-20	BlackRock Advisors, LLC	on mkt buy	16.16	AUD	ORD	4,907	4,907
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	95,958	95,958
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	14,200	14,200
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	25,295	25,295
06-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	16.16	AUD	ORD	13,144	13,144
06-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	16.16	AUD	ORD	10,414	10,414
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.16	AUD	ORD	3,326	3,326
06-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	16.16	AUD	ORD	4,193	4,193
06-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	16.16	AUD	ORD	24,374	24,374
06-Jan-20	BlackRock Investment Management, LLC	on mkt buy	16.16	AUD	ORD	2,290	2,290
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.16	AUD	ORD	6,751	6,751
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	48,242	48,242
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.16	AUD	ORD	24,052	24,052
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.16	AUD	ORD	5,455	5,455
06-Jan-20	BlackRock Asset Management Canada Limited	on mkt sell	16.12	AUD	ORD	-3,297	-3,297
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.16	AUD	ORD	15,578	15,578
06-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	16.13	AUD	ORD	14,050	14,050
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.14	AUD	ORD	2,976	2,976
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.14	AUD	ORD	6,588	6,588
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.14	AUD	ORD	9,879	9,879
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.14	AUD	ORD	4,966	4,966
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.14	AUD	ORD	615	615
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.14	AUD	ORD	602	602
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.14	AUD	ORD	290	290
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.14	AUD	ORD	897	897
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.14	AUD	ORD	448	448
06-Jan-20	BlackRock Advisors, LLC	on mkt buy	16.14	AUD	ORD	2,101	2,101
06-Jan-20	BlackRock Advisors, LLC	on mkt buy	16.14	AUD	ORD	426	426
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.14	AUD	ORD	211	211
06-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	16.14	AUD	ORD	292	292
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	16.14	AUD	ORD	1,109	1,109

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06-Jan-20	BlackRock Investment Management, LLC	on mkt buy 16.14	AUD	ORD 179	179
06-Jan-20	BlackRock International Limited	on mkt buy 16.14	AUD	ORD 1,177	1,177
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.14	AUD	ORD 561	561
06-Jan-20	BlackRock Advisors, LLC	on mkt buy 16.14	AUD	ORD 505	505
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.14	AUD	ORD 1,462	1,462
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.14	AUD	ORD 2,604	2,604
06-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy 16.14	AUD	ORD 1,353	1,353
06-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy 16.14	AUD	ORD 1,072	1,072
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.14	AUD	ORD 342	342
06-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy 16.14	AUD	ORD 431	431
06-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy 16.14	AUD	ORD 2,509	2,509
06-Jan-20	BlackRock Investment Management, LLC	on mkt buy 16.14	AUD	ORD 235	235
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.14	AUD	ORD 694	694
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.14	AUD	ORD 2,476	2,476
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 530	530
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 519	519
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 250	250
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 772	772
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 387	387
06-Jan-20	BlackRock Advisors, LLC	on mkt buy 16.15	AUD	ORD 1,806	1,806
06-Jan-20	BlackRock Advisors, LLC	on mkt buy 16.15	AUD	ORD 368	368
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.15	AUD	ORD 182	182
06-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy 16.15	AUD	ORD 252	252
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.15	AUD	ORD 2,560	2,560
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.15	AUD	ORD 954	954
06-Jan-20	BlackRock Investment Management, LLC	on mkt buy 16.15	AUD	ORD 155	155
06-Jan-20	BlackRock International Limited	on mkt buy 16.15	AUD	ORD 1,011	1,011
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 5,667	5,667
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 483	483
06-Jan-20	BlackRock Advisors, LLC	on mkt buy 16.15	AUD	ORD 435	435
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 8,497	8,497
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 1,257	1,257
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 2,240	2,240
06-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy 16.15	AUD	ORD 1,164	1,164
06-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy 16.15	AUD	ORD 923	923
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.15	AUD	ORD 295	295
06-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy 16.15	AUD	ORD 372	372
06-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy 16.15	AUD	ORD 2,158	2,158
06-Jan-20	BlackRock Investment Management, LLC	on mkt buy 16.15	AUD	ORD 203	203
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.15	AUD	ORD 598	598
06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 4,272	4,272

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06-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.15	AUD	ORD 2,130	2,130
06-Jan-20	BlackRock Asset Management North Asia Limited	on mkt sell 16.13	AUD	ORD -1,124	-1,124
06-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy 16.18	AUD	ORD 1,582	1,582
06-Jan-20	BlackRock Advisors, LLC	collateral transfer n/a	AUD	ORD -463	-463
06-Jan-20	BlackRock Japan Co., Ltd.	collateral transfer n/a	AUD	ORD -2,695	-2,695
06-Jan-20	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD 232,845	232,845
06-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer n/a	AUD	ORD -4,481	-4,481
06-Jan-20	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD -54,950	-54,950
06-Jan-20	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD 327,710	327,710
06-Jan-20	BlackRock Asset Management North Asia Limited	collateral transfer n/a	AUD	ORD -10,052	-10,052
07-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy 16.45	AUD	ORD 18,543	18,543
07-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 7,033	7,033
07-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.60	AUD	ORD 11,520	11,520
07-Jan-20	BlackRock Investment Management, LLC	on mkt buy 16.64	AUD	ORD 9,785	9,785
07-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy 16.64	AUD	ORD 2,750	2,750
07-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.64	AUD	ORD 3,993	3,993
07-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.64	AUD	ORD 9,713	9,713
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy 16.64	AUD	ORD 6,499	6,499
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy 16.64	AUD	ORD 3,355	3,355
07-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy 16.64	AUD	ORD 2,334	2,334
07-Jan-20	BlackRock Japan Co., Ltd.	on mkt buy 16.64	AUD	ORD 3,182	3,182
07-Jan-20	BlackRock Japan Co., Ltd.	on mkt buy 16.64	AUD	ORD 16,764	16,764
07-Jan-20	BlackRock Japan Co., Ltd.	on mkt buy 16.64	AUD	ORD 9,976	9,976
07-Jan-20	BlackRock Japan Co., Ltd.	on mkt buy 16.64	AUD	ORD 11,743	11,743
07-Jan-20	BlackRock Japan Co., Ltd.	on mkt buy 16.64	AUD	ORD 26,633	26,633
07-Jan-20	BlackRock Japan Co., Ltd.	on mkt buy 16.64	AUD	ORD 18,309	18,309
07-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy 16.64	AUD	ORD 18,231	18,231
07-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy 16.64	AUD	ORD 40,824	40,824
07-Jan-20	BlackRock Investment Management, LLC	on mkt buy 16.64	AUD	ORD 9,342	9,342
07-Jan-20	BlackRock Investment Management, LLC	on mkt buy 16.64	AUD	ORD 6,098	6,098
07-Jan-20	BlackRock Investment Management, LLC	on mkt buy 16.64	AUD	ORD 6,280	6,280
07-Jan-20	BlackRock Investment Management, LLC	on mkt buy 16.64	AUD	ORD 6,066	6,066
07-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.64	AUD	ORD 3,021	3,021
07-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy 16.64	AUD	ORD 1,124	1,124
07-Jan-20	BlackRock Investment Management, LLC	on mkt buy 16.64	AUD	ORD 1,547	1,547
07-Jan-20	BlackRock Japan Co., Ltd.	on mkt buy 16.64	AUD	ORD 43,734	43,734
07-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy 16.64	AUD	ORD 6,251	6,251
07-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt sell 16.61	AUD	ORD -10,634	-10,634
07-Jan-20	BlackRock Investment Management, LLC	on mkt sell 16.61	AUD	ORD -2,838	-2,838
07-Jan-20	BlackRock Advisors, LLC	collateral transfer n/a	AUD	ORD -245	-245
07-Jan-20	BlackRock Japan Co., Ltd.	collateral transfer n/a	AUD	ORD -2,575	-2,575
07-Jan-20	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD 347,162	347,162
07-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer n/a	AUD	ORD -2,598	-2,598
07-Jan-20	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD -36,344	-36,344
07-Jan-20	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD -392,819	-392,819

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07-Jan-20	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-12,558	-12,558
08-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.38	AUD	ORD	7,885	7,885
08-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.38	AUD	ORD	11,163	11,163
08-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	16.38	AUD	ORD	4,320	4,320
08-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	16.38	AUD	ORD	9,886	9,886
08-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	16.40	AUD	ORD	5,989	5,989
08-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt buy	16.34	AUD	ORD	7,195	7,195
08-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt buy	16.34	AUD	ORD	880	880
08-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	16.35	AUD	ORD	1,397	1,397
08-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt buy	16.33	AUD	ORD	32	32
08-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	16.33	AUD	ORD	1,196	1,196
08-Jan-20	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,160	4,160
08-Jan-20	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	684	684
08-Jan-20	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-591	-591
08-Jan-20	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	-963	-963
08-Jan-20	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	232,240	232,240
08-Jan-20	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-214,157	-214,157
08-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	AUD	ORD	-12,148	-12,148
08-Jan-20	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-169,330	-169,330
08-Jan-20	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-126,705	-126,705
08-Jan-20	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-38,835	-38,835
09-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	10,502	10,502
09-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.65	AUD	ORD	11,002	11,002
09-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt buy	16.65	AUD	ORD	13,694	13,694
09-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt sell	16.69	AUD	ORD	-10,634	-10,634
09-Jan-20	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	-16,396	-16,396
09-Jan-20	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,660	-9,660
09-Jan-20	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	-565	-565
09-Jan-20	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-4,754	-4,754
09-Jan-20	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-356,305	-356,305
09-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	AUD	ORD	-7,170	-7,170
09-Jan-20	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-98,578	-98,578
09-Jan-20	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-70,438	-70,438
09-Jan-20	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-19,936	-19,936
10-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.94	AUD	ORD	8,400	8,400
10-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.94	AUD	ORD	11,967	11,967
10-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	16.91	AUD	ORD	3,059	3,059
10-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	16.94	AUD	ORD	1,586	1,586
10-Jan-20	BlackRock Advisors (UK) Limited	on mkt sell	16.94	AUD	ORD	-1,586	-1,586
10-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.94	AUD	ORD	32,996	32,996
10-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	16.94	AUD	ORD	669	669
10-Jan-20	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-591	-591
10-Jan-20	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	-5	-5
10-Jan-20	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-241,000	-241,000

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10-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	collateral transfer	n/a	AUD	ORD	-68	-68
10-Jan-20	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-935	-935
10-Jan-20	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-668	-668
10-Jan-20	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-311	-311
13-Jan-20	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,472	-2,472
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	4,795	4,795
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.03	AUD	ORD	5,366	5,366
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	12,985	12,985
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	7,573	7,573
13-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.02	AUD	ORD	34,544	34,544
13-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.02	AUD	ORD	6,410	6,410
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.02	AUD	ORD	3,486	3,486
13-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.02	AUD	ORD	5,252	5,252
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.02	AUD	ORD	50,425	50,425
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.02	AUD	ORD	16,999	16,999
13-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.02	AUD	ORD	3,029	3,029
13-Jan-20	BlackRock International Limited	on mkt buy	17.02	AUD	ORD	16,864	16,864
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	83,244	83,244
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	7,868	7,868
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.03	AUD	ORD	14,130	14,130
13-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.02	AUD	ORD	6,241	6,241
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	154,104	154,104
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	22,107	22,107
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	43,580	43,580
13-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.02	AUD	ORD	15,452	15,452
13-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.02	AUD	ORD	12,372	12,372
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.02	AUD	ORD	5,332	5,332
13-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.02	AUD	ORD	6,491	6,491
13-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.02	AUD	ORD	37,496	37,496
13-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.02	AUD	ORD	3,320	3,320
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.02	AUD	ORD	8,994	8,994
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	86,069	86,069
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	41,134	41,134
13-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt buy	17.02	AUD	ORD	38,446	38,446
13-Jan-20	BlackRock Advisors (UK) Limited	on mkt sell	17.02	AUD	ORD	-12,688	-12,688
13-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.02	AUD	ORD	622	622
13-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.02	AUD	ORD	101	101
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt sell	17.02	AUD	ORD	-4,001	-4,001
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	1,447	1,447
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	3,918	3,918
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	2,285	2,285
13-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.02	AUD	ORD	10,420	10,420

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13-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.02	AUD	ORD	1,934	1,934
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.02	AUD	ORD	1,052	1,052
13-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.02	AUD	ORD	1,585	1,585
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.02	AUD	ORD	15,210	15,210
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.02	AUD	ORD	5,127	5,127
13-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.02	AUD	ORD	914	914
13-Jan-20	BlackRock International Limited	on mkt buy	17.02	AUD	ORD	5,087	5,087
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	25,110	25,110
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	2,374	2,374
13-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.02	AUD	ORD	1,883	1,883
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	46,483	46,483
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	6,668	6,668
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	13,146	13,146
13-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.02	AUD	ORD	4,661	4,661
13-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.02	AUD	ORD	3,733	3,733
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.02	AUD	ORD	1,609	1,609
13-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.02	AUD	ORD	1,959	1,959
13-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.02	AUD	ORD	11,310	11,310
13-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.02	AUD	ORD	1,002	1,002
13-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.02	AUD	ORD	2,713	2,713
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	25,962	25,962
13-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.02	AUD	ORD	12,408	12,408
13-Jan-20	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	99,756	99,756
13-Jan-20	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	280,538	280,538
13-Jan-20	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	2,676	2,676
13-Jan-20	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	12,221	12,221
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.25	AUD	ORD	3,830	3,830
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD	5,737	5,737
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD	6,555	6,555
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD	4,455	4,455
14-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.25	AUD	ORD	14,610	14,610
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD	14,566	14,566
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD	9,771	9,771
14-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	17.24	AUD	ORD	8,498	8,498
14-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.25	AUD	ORD	50,567	50,567
14-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.25	AUD	ORD	5,373	5,373
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.25	AUD	ORD	4,181	4,181
14-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.25	AUD	ORD	4,921	4,921
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.25	AUD	ORD	48,929	48,929
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.25	AUD	ORD	19,566	19,566
14-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.24	AUD	ORD	33,472	33,472

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
14-Jan-20	BlackRock International Limited	on mkt buy	17.25	AUD	ORD	18,339	18,339
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD	94,994	94,994
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD	9,889	9,889
14-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.25	AUD	ORD	10,993	10,993
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD	229,544	229,544
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD	33,350	33,350
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD	43,549	43,549
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.25	AUD	ORD	19,018	19,018
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.25	AUD	ORD	15,022	15,022
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.25	AUD	ORD	7,018	7,018
14-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.25	AUD	ORD	9,406	9,406
14-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.25	AUD	ORD	54,851	54,851
14-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.25	AUD	ORD	4,817	4,817
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.25	AUD	ORD	11,198	11,198
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD	112,322	112,322
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD	47,391	47,391
14-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.24	AUD	ORD	4,295	4,295
14-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.25	AUD	ORD	3,909	3,909
14-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	17.24	AUD	ORD	5,056	5,056
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.25	AUD	ORD	10,910	10,910
14-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.24	AUD	ORD	455	455
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD	453	453
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD	304	304
14-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	17.24	AUD	ORD	187	187
14-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.24	AUD	ORD	1,574	1,574
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.24	AUD	ORD	1,523	1,523
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.24	AUD	ORD	609	609
14-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.24	AUD	ORD	738	738
14-Jan-20	BlackRock International Limited	on mkt buy	17.24	AUD	ORD	571	571
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD	2,957	2,957
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD	308	308
14-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.24	AUD	ORD	342	342
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD	7,145	7,145
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD	1,038	1,038
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD	1,356	1,356
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.24	AUD	ORD	592	592
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.24	AUD	ORD	468	468
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.24	AUD	ORD	218	218
14-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.24	AUD	ORD	293	293
14-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.24	AUD	ORD	1,707	1,707
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.24	AUD	ORD	349	349

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected	Person's votes affected
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD 3,496	3,496
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD 1,475	1,475
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD 126	126
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD 145	145
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.24	AUD	ORD 139	139
14-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.24	AUD	ORD 94	94
14-Jan-20	BlackRock Advisors, LLC	on mkt buy	17.24	AUD	ORD 167	167
14-Jan-20	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	17.24	AUD	ORD 130	130
14-Jan-20	BlackRock Asset Management Canada Limited	on mkt buy	17.24	AUD	ORD 153	153
14-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.24	AUD	ORD 122	122
14-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	17.24	AUD	ORD 111	111
14-Jan-20	BlackRock Investment Management, LLC	on mkt buy	17.24	AUD	ORD 150	150
14-Jan-20	BlackRock Japan Co., Ltd.	on mkt sell	17.25	AUD	ORD -1,119	-1,119
14-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt buy	17.25	AUD	ORD 4,090	4,090
14-Jan-20	BlackRock Investment Management (Australia) Limited	on mkt buy	17.25	AUD	ORD 96	96
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.25	AUD	ORD 3,212	3,212
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt sell	17.25	AUD	ORD -875	-875
14-Jan-20	BlackRock Advisors (UK) Limited	on mkt buy	17.25	AUD	ORD 202	202
14-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	17.25	AUD	ORD 22,631	22,631
14-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	17.25	AUD	ORD 4,274	4,274
14-Jan-20	BlackRock Institutional Trust Company, National Association	on mkt buy	17.25	AUD	ORD 36,260	36,260
14-Jan-20	BlackRock Investment Management, LLC	on mkt sell	17.25	AUD	ORD -3,267	-3,267
14-Jan-20	BlackRock Fund Advisors	on mkt buy	17.25	AUD	ORD 16,262	16,262
14-Jan-20	BlackRock Investment Management (UK) Limited	on mkt buy	17.25	AUD	ORD 36,923	36,923
14-Jan-20	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD 1,034,934	1,034,934
14-Jan-20	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD -226,064	-226,064
14-Jan-20	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD -2,676	-2,676
14-Jan-20	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD 313,523	313,523

16-Jan-20
Maria Tricarico,
Authorised Signatory
Date

4. Details of present registered holders

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 37,435	37,435	Subsidiary of BlackRock, Inc.
BlackRock (Netherlands) B.V.	SSB-STATE STREET LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 97,709	97,709	Subsidiary of BlackRock, Inc.
BlackRock (Singapore) Limited	SSB-STATE STREET SINGAPORE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 1,376	1,376	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	BNYM-BONY EUROPE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 961,590	961,590	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Advisors (UK) Limited	JPM-JPM CHASE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 1,395,621	1,395,621	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	NT-NORTHERN TRUST UK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 133,631	133,631	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	SSB-STATE STREET DUBLIN		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 1,816,283	1,816,283	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	STATE STREET BANK, MUNICH, ZURICH BRANCH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 14,841	14,841	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 90,688	90,688	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 459,981	459,981	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 33,931	33,931	Subsidiary of BlackRock, Inc.
BlackRock Advisors, LLC	SSB-STATE STREET MUTUAL FUNDS - BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 501,393	501,393	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	BNYM-CIBC MELLON GLOBAL SECURITIES - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 581,602	581,602	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Asset Management Canada Limited	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 2,671	2,671	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 432,782	432,782	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	NT-NORTHERN TRUST CO. - CHICAGO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 15,379	15,379	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 42,313	42,313	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 123,486	123,486	Subsidiary of BlackRock, Inc.
BlackRock Asset Management North Asia Limited	BNYM-BONY LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 554,991	554,991	Subsidiary of BlackRock, Inc.
BlackRock Asset Management North Asia Limited	CITI-CITIBANK, HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 442,801	442,801	Subsidiary of BlackRock, Inc.
BlackRock Asset Management North Asia Limited	HSBC-HSBC, HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 10,325	10,325	Subsidiary of BlackRock, Inc.
BlackRock Asset Management North Asia Limited	Northern Trust Singapore		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 1,049	1,049	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BLACKROCK FINANCIAL MANAGEMENT, INC.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 16,860	16,860	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 294,648	294,648	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	HSBC-HSBC, HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 61,598	61,598	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 117,912	117,912	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	Mitsubishi UFJ Investor Services & Banking Lux S.A		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 28,683	28,683	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	NT-NORTHERN TRUST CO. - CHICAGO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 167,206	167,206	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	SSB-STATE STATE HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 964,936	964,936	Subsidiary of BlackRock, Inc.
BLACKROCK FINANCIAL MANAGEMENT, INC.	SSB-STATE STREET BANK & TRUST TORONTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 6,354	6,354	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-STATE STREET BANK, BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 133,955	133,955	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Fund Advisors	SSB-STATE STREET MUTUAL FUNDS - BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 31,088	31,088	Subsidiary of BlackRock, Inc.
BlackRock Fund Advisors	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 10,019,272	10,019,272	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 2,288,793	2,288,793	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 253,892	253,892	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	CITI-CITIGROUP GLOBAL MARKETS PRIME BROKERAGE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 170,982	170,982	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	CS-CREDIT SUISSE PRIME BROKERAGE - ZURICH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 2,750	2,750	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 13,672,960	13,672,960	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	MS-MORGAN STANLEY & CO INC		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 26,570	26,570	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	NT-NORTHERN TRUST CO. - CHICAGO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 236,943	236,943	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 965,113	965,113	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STATE HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 48,420	48,420	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 1,623	1,623	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	UBS- UBS- ZURICH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 186,548	186,548	Subsidiary of BlackRock, Inc.
BlackRock International Limited	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 295,625	295,625	Subsidiary of BlackRock, Inc.
BlackRock International Limited	NT-NORTHERN TRUST UK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 276,980	276,980	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	HSBC-HSBC SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 923,382	923,382	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 3,788,195	3,788,195	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 2,320,090	2,320,090	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	Northern Trust Singapore		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 638,859	638,859	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	SSB-STATE STREET SINGAPORE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 35,123	35,123	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	UBS- UBS- ZURICH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 94,636	94,636	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	AP7		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 382,528	382,528	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNP PARIBAS LUX		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 3,104	3,104	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNP-BNP Paribas Milan		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 101,800	101,800	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BANK OF NY BRUS		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 409,996	409,996	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY EUROPE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 456,941	456,941	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 35,748	35,748	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	CB-CACEIS BANK LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 25,242	25,242	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	CITI-CITIBANK, LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 1,616,087	1,616,087	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	HSBC-HSBC - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 904,793	904,793	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 89,347	89,347	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	JPM-JPM CHASE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 14,748	14,748	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	KAS-KAS BANK - AMSTERDAM		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 73,849	73,849	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	NT-NORTHERN TRUST CO. - CHICAGO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 20,255	20,255	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	NT-NORTHERN TRUST UK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 2,010,891	2,010,891	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SEB-SKANDINAVISKA ENSKILDA BANKEN		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 43,658	43,658	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 527,343	527,343	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-STATE STATE HONG KONG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 38,479	38,479	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-STATE STREET BANK LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 509,765	509,765	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-State Street Bank S.p.A		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 99,416	99,416	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-STATE STREET BANK, GERMANY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 51,904	51,904	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-STATE STREET LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 270,157	270,157	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 29,201	29,201	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BNYM-BONY LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 104,327	104,327	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BNYM-THE BANK OF NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 462,171	462,171	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management, LLC	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 445,885	445,885	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	JPM-JPM CHASE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 53,132	53,132	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	SSB-SSB NEW YORK INSTITUTIONAL		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 394,934	394,934	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	SSB-STATE STREET BANK LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 79,766	79,766	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	SSB-STATE STREET MUTUAL FUNDS - BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 59,866	59,866	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 15,609	15,609	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 698,662	698,662	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	JPM-JPM CHASE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 395,607	395,607	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	MITSUI-SUMITOMO TRUST		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 116,004	116,004	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Japan Co., Ltd.	SSB-State Street Bank And Trust Co.		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 1,034,934	1,034,934	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	SSB-STATE STREET BANK, BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD 10,070	10,070	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ORD 186,214	186,214	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ORD 384,390	384,390	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	Northern Trust Singapore		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ORD 23,120	23,120	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.	ORD 1,931,059	1,931,059	Subsidiary of BlackRock, Inc.

This is Annexure C of 1 page referred to in form 604 Notice of change of interests of substantial shareholder

16-Jan-20

Maria Tricarico,
Authorised Signatory **Date**

7. Addresses

The addresses of persons named in this form are as follows:

Name	Address
BlackRock Group	
BlackRock Inc.	55 East 52nd Street New York NY 10055 USA
BlackRock (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands
BlackRock (Singapore) Limited	20 Anson Road #18-01 079912 Singapore
BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom
BlackRock Advisors, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
BlackRock Financial Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock International Limited	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)
BlackRock Investment Management (Australia) Limited	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)

Securities Lending Agreements

Agreements entered into between BlackRock Advisors Limited and each of the following counterparties:

- (a) Bank of Nova Scotia, London Branch **GMSLA, 25 August 2011**
- (b) Barclays Bank plc **GMSLA, 9 April 2104**
- (c) Barclays Capital Securities Limited **GMSLA, 2 December 2012**
- (d) BNP Paribas Arbitrage **GMSLA, 30 May 2013**
- (e) BNP Paribas **GMSLA, 8 May 2007**
- (f) Citigroup Global Markets Limited **GMSLA, 18 January 2007**
- (g) Commerzbank AG **OSLA, 17 July 2002**
- (h) Credit Suisse AG, Dublin Branch **GMSLA, 28 September 2015**
- (i) Credit Suisse International **GMSLA, 10 March 2014**
- (j) Credit Suisse Securities (Europe) Limited **GMSLA, 26 August 2015**
- (k) Deutsche Bank AG, London Branch **GMSLA, 25 August 2017**
- (l) Goldman Sachs International **OSLA, 3 July 2001**
- (m) HSBC Bank plc **GMSLA, 27 October 2016**
- (n) ING Bank N.V. **GMSLA, 12 November 2018** (not yet operationally active)
- (o) J.P. Morgan Securities plc **GMSLA, 12 July 2011**
- (p) Macquarie Bank Limited **GMSLA, 18 August 2014**
- (q) Merrill Lynch International **OSLA, 13 July 1999**
- (r) Morgan Stanley & Co International plc **OSLA, 8 September 1999**
- (s) Natixis SA **GMSLA, 29 January 2018**
- (t) Nomura International plc **GMSLA, 2 November 2011**
- (u) Royal Bank of Canada Europe Limited **GMSLA, 3 February 2017**
- (v) Royal Bank of Scotland plc (renamed to Natwest Markets Plc) **GMSLA, 1 April 2011**
- (w) Santander UK Plc **GMSLA, 25 January 2019** (not yet operationally active)
- (x) Skandinaviska Enskilda Banken AB **GMSLA, 4 February 2013**
- (y) Societe Generale **GMSLA, 27 January 2012**
- (z) UBS AG **GMSLA, 28 April 2016**
- (aa) UBS Europe SE **GMSLA, 1 February 2019**
- (bb) BAL/Banco Santander, S.A. **GMSLA, 30 April 2019**
- (cc) Canadian Imperial Bank of Commerce, London Branch **GMSLA, 21 June 2019**
- (dd) Zürcher Kantonalbank **GMSLA, 30 October 2019**

Agreements entered into by BlackRock Institutional Trust Corporation, N.A. and each of the following counterparties:

- (a) Bank of Nova Scotia **GMSLA, December 6, 2016**
- (b) Barclays Bank plc **GMSLA, April 24, 2017**
- (c) Barclays Capital Securities Limited **GMSLA, March 15, 2017**
- (d) BNP Paribas Arbitrage **GMSLA, June 5, 2017**
- (e) Citigroup Global Markets Limited **GMSLA, June 3, 2015**
- (f) Credit Suisse AG, Dublin Branch **GMSLA, October 14, 2015**
- (g) Credit Suisse Securities (Europe) Limited **GMSLA, October 2, 2015**
- (h) Deutsche Bank AG, London Branch **GMSLA, June 7, 2017**
- (i) Goldman Sachs International **OSLA April 1, 2004**
- (j) HSBC Bank plc **GMSLA, February 12, 2013**
- (k) J.P. Morgan Securities plc **GMSLA, October 4, 2016**
- (l) Macquarie Bank Limited **GMSLA, October 3, 2016**
- (m) Merrill Lynch International **GMSLA, February 19, 2014**
- (n) Morgan Stanley & Co International plc **OSLA, February 7, 2007**
- (o) Nomura International plc **GMSLA 03 August 2018 – not yet operational**
- (p) Societe Generale **GMSLA, September 28, 2016**
- (q) UBS AG **GMSLA, May 26, 2016**
- (r) UBS Europe SE **GMSLA, 1 February 2019**
- (s) The Hongkong and Shanghai Banking Corporation Limited **GMSLA, 22 February 2019**
- (t) RBC Europe Limited **GMSLA, 4 February 2019**
- (u) ING BANK N.V. **GMSLA, 27 February, 2019**

These counterparties do not pledge Australian equities:

- (a) Lloyds Bank plc
- (b) Merrill Lynch, Pierce, Fenner Smith Incorporated
- (c) Unicredit

These counterparties do not have any business with us anymore although may have done previously:

(a) Morgan Stanley Securities Limited (No Business) OSLA 15 March 1999

Royal Bank of Scotland N.V. **GMSLA, 12 October 2011 – No Business, superseded by Royal Bank of Scotland PLC**