

Form 604

Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme RIO TINTO LTD

ACN/ARSN 004 458 404

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 11 / 02 / 2019

The previous notice was given to the company on 19 / 11 / 2018

The previous notice was dated 15 / 11 / 2018

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	21,263,770	5.15	22,870,305	6.16

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 13 / 02 / 2019

* 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 37 pages referred to in form 604 Notice of change of interests of substantial shareholder

13-Feb-19

Maria Tricarico,
 Authorised Signatory

Date

5. Consideration

RIO TINTO LTD (RIO)							
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-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	78.70	AUD	ORD	-810	-810
16-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	79.31	AUD	ORD	438	438
16-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	79.31	AUD	ORD	56	56
16-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	79.31	AUD	ORD	3,218	3,218
16-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	79.31	AUD	ORD	-1,490	-1,490
16-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	79.31	AUD	ORD	48,360	48,360
16-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,912	2,912
16-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,530	1,530
16-Nov-18	BlackRock Advisors, LLC	in specie	n/a	AUD	ORD	6,004	6,004
16-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-6,004	-6,004
16-Nov-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	306,988	306,988
16-Nov-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-3,132	-3,132
16-Nov-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	3,322	3,322
16-Nov-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-190	-190
19-Nov-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-5,829	-5,829
19-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	79.44	AUD	ORD	228	228
19-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	79.44	AUD	ORD	-1,598	-1,598
19-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,120	1,120
19-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,910	1,910
19-Nov-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	290,524	290,524
19-Nov-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-41	-41
19-Nov-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	41	41
19-Nov-18	BlackRock (Netherlands) B.V.	on mkt buy	76.65	AUD	ORD	-2,087	-2,087
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	79.63	AUD	ORD	4,777	4,777
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	79.63	AUD	ORD	8,898	8,898
20-Nov-18	BlackRock Advisors, LLC	on mkt sell	79.57	AUD	ORD	-340	-340
20-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	79.64	AUD	ORD	-9,112	-9,112
20-Nov-18	BlackRock Advisors, LLC	on mkt buy	79.82	AUD	ORD	1,837	1,837
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	79.82	AUD	ORD	25,123	25,123
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	79.82	AUD	ORD	4,565	4,565
20-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	79.82	AUD	ORD	501	501
20-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	79.82	AUD	ORD	5,860	5,860
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	79.82	AUD	ORD	21,840	21,840
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	79.82	AUD	ORD	386	386
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	79.82	AUD	ORD	77	77
20-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	79.87	AUD	ORD	8,939	8,939
20-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	79.88	AUD	ORD	1,628	1,628
20-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	79.88	AUD	ORD	138	138

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
20-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	79.88	AUD	ORD	-4,469	-4,469
20-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	955	955
20-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	201	201
20-Nov-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-597,512	-597,512
20-Nov-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-25	-25
20-Nov-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	16	16
20-Nov-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	9	9
21-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	77.63	AUD	ORD	1,233	1,233
21-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	77.63	AUD	ORD	2,042	2,042
21-Nov-18	BlackRock Advisors, LLC	on mkt buy	77.70	AUD	ORD	7,049	7,049
21-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	77.52	AUD	ORD	-63,608	-63,608
21-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	77.77	AUD	ORD	8,938	8,938
21-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	77.30	AUD	ORD	7,488	7,488
21-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,041	1,041
21-Nov-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	-11,043	-11,043
21-Nov-18	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-8,420	-8,420
21-Nov-18	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-4,838	-4,838
21-Nov-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	12	12
21-Nov-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-13	-13
21-Nov-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	1	1
22-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	77.28	AUD	ORD	1,221	1,221
22-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	77.28	AUD	ORD	1,841	1,841
22-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	77.32	AUD	ORD	21,602	21,602
22-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	77.02	AUD	ORD	-1,535	-1,535
22-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	77.02	AUD	ORD	4,463	4,463
22-Nov-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-487	-487
22-Nov-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-6	-6
22-Nov-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	493	493
23-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,646	2,646
23-Nov-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-14,546	-14,546
23-Nov-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	1	1
23-Nov-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	446	446
23-Nov-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	43	43
23-Nov-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-488	-488
26-Nov-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-2,111	-2,111
26-Nov-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-6,272	-6,272
26-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	75.28	AUD	ORD	-905	-905
26-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	74.05	AUD	ORD	-855	-855
26-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	74.05	AUD	ORD	-1,110	-1,110
26-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	74.05	AUD	ORD	99	99
26-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	74.05	AUD	ORD	-380	-380
26-Nov-18	BlackRock Advisors, LLC	on mkt sell	74.05	AUD	ORD	-17,623	-17,623
26-Nov-18	BlackRock Financial Management, Inc.	on mkt sell	74.05	AUD	ORD	-2,814	-2,814
26-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	74.05	AUD	ORD	-1,528	-1,528

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
26-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	74.05	AUD	ORD	6,544	6,544
26-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	74.05	AUD	ORD	221	221
26-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	74.05	AUD	ORD	-3,205	-3,205
26-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	74.05	AUD	ORD	4,145	4,145
26-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	74.05	AUD	ORD	-940	-940
26-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	8,392	8,392
26-Nov-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-1	-1
26-Nov-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-698	-698
26-Nov-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-374	-374
26-Nov-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	1,073	1,073
27-Nov-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	2,499	2,499
27-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	73.58	AUD	ORD	-7,078	-7,078
27-Nov-18	BlackRock Advisors, LLC	on mkt sell	73.80	AUD	ORD	-3,440	-3,440
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.80	AUD	ORD	-104	-104
27-Nov-18	BlackRock Advisors, LLC	on mkt sell	73.80	AUD	ORD	-19	-19
27-Nov-18	BlackRock Advisors, LLC	on mkt sell	73.80	AUD	ORD	-867	-867
27-Nov-18	BlackRock Investment Management, LLC	on mkt sell	73.80	AUD	ORD	-30	-30
27-Nov-18	BlackRock Investment Management, LLC	on mkt sell	73.80	AUD	ORD	-330	-330
27-Nov-18	BlackRock Investment Management, LLC	on mkt sell	73.80	AUD	ORD	-49	-49
27-Nov-18	BlackRock Investment Management, LLC	on mkt sell	73.80	AUD	ORD	-1,656	-1,656
27-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	73.80	AUD	ORD	-67	-67
27-Nov-18	BlackRock Investment Management, LLC	on mkt sell	73.80	AUD	ORD	-120	-120
27-Nov-18	BlackRock Fund Advisors	on mkt sell	73.98	AUD	ORD	-3,641	-3,641
27-Nov-18	BlackRock Investment Management, LLC	on mkt sell	73.80	AUD	ORD	-203	-203
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	6,490	6,490
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	5,034	5,034
27-Nov-18	BlackRock Investment Management, LLC	on mkt buy	73.58	AUD	ORD	1,858	1,858
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	3,066	3,066
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.58	AUD	ORD	2,992	2,992
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	1,009	1,009
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	9,047	9,047
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	5,399	5,399
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	4,695	4,695
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	73.58	AUD	ORD	6,933	6,933
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	73.58	AUD	ORD	769	769
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.58	AUD	ORD	3,712	3,712
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	10,307	10,307
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	850	850
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.58	AUD	ORD	886	886
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	73.58	AUD	ORD	1,540	1,540
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	17,853	17,853
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	4,045	4,045
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	2,167	2,167
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.58	AUD	ORD	5,449	5,449

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	
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.58	AUD	ORD	4,425	4,425
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.58	AUD	ORD	2,497	2,497
27-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	73.58	AUD	ORD	4,735	4,735
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	18,280	18,280
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	3,465	3,465
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	722	722
27-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.58	AUD	ORD	463	463
27-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	73.58	AUD	ORD	691	691
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.58	AUD	ORD	712	712
27-Nov-18	BlackRock Investment Management, LLC	on mkt buy	73.58	AUD	ORD	446	446
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	340	340
27-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.58	AUD	ORD	239	239
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	261	261
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	295	295
27-Nov-18	BlackRock Investment Management, LLC	on mkt buy	73.58	AUD	ORD	443	443
27-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.58	AUD	ORD	252	252
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	228	228
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	10,839	10,839
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.58	AUD	ORD	853	853
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	2,618	2,618
27-Nov-18	BlackRock International Limited	on mkt buy	73.58	AUD	ORD	6,459	6,459
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.58	AUD	ORD	187	187
27-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	73.60	AUD	ORD	4,210	4,210
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.60	AUD	ORD	-732	-732
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.60	AUD	ORD	-799	-799
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.60	AUD	ORD	-6,692	-6,692
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.60	AUD	ORD	-8,477	-8,477
27-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.60	AUD	ORD	-2,499	-2,499
27-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	73.60	AUD	ORD	218	218
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.60	AUD	ORD	3,477	3,477
27-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	896	896
27-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-7,630	-7,630
27-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,856	2,856
27-Nov-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-262	-262
27-Nov-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-323	-323
27-Nov-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	585	585
28-Nov-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-56,797	-56,797
28-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	72.67	AUD	ORD	-9,613	-9,613
28-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	72.02	AUD	ORD	4,290	4,290
28-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	72.02	AUD	ORD	2,067	2,067
28-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	71.98	AUD	ORD	1,662	1,662
28-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	72.01	AUD	ORD	-19,065	-19,065

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
28-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	71.98	AUD	ORD	-11,310	-11,310
28-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	71.98	AUD	ORD	-2,134	-2,134
28-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	72.00	AUD	ORD	650	650
28-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	72.00	AUD	ORD	1,382	1,382
28-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	72.00	AUD	ORD	575	575
28-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,128	2,128
28-Nov-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	10,429	10,429
28-Nov-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-1,216	-1,216
28-Nov-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	1,112	1,112
29-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	73.53	AUD	ORD	-2,864	-2,864
29-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell	73.47	AUD	ORD	-929	-929
29-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.47	AUD	ORD	-34,332	-34,332
29-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.47	AUD	ORD	-16,462	-16,462
29-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.47	AUD	ORD	-226,325	-226,325
29-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.47	AUD	ORD	-32,154	-32,154
29-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.25	AUD	ORD	2,421	2,421
29-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.25	AUD	ORD	-584	-584
29-Nov-18	BlackRock Advisors, LLC	on mkt sell	73.25	AUD	ORD	-16,994	-16,994
29-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.25	AUD	ORD	5,586	5,586
29-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,268	2,268
29-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	480	480
29-Nov-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	6	6
29-Nov-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-14	-14
29-Nov-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	8	8
30-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.72	AUD	ORD	538	538
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.54	AUD	ORD	34,332	34,332
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.54	AUD	ORD	16,462	16,462
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.54	AUD	ORD	226,325	226,325
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.54	AUD	ORD	32,154	32,154
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	73.54	AUD	ORD	929	929
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.34	AUD	ORD	124	124
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Investment Management, LLC	on mkt buy	73.40	AUD	ORD	2	2
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.40	AUD	ORD	2	2
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.40	AUD	ORD	2	2
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Advisors, LLC	on mkt buy	73.40	AUD	ORD	3	3
30-Nov-18	BlackRock Advisors, LLC	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Investment Management, LLC	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.40	AUD	ORD	2	2
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.40	AUD	ORD	10	10

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
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Advisors, LLC	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.40	AUD	ORD	5	5
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.40	AUD	ORD	2	2
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.40	AUD	ORD	6	6
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.40	AUD	ORD	4	4
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.40	AUD	ORD	2	2
30-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.40	AUD	ORD	7	7
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.40	AUD	ORD	1	1
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.55	AUD	ORD	4,895	4,895
30-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.55	AUD	ORD	2,257	2,257
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.55	AUD	ORD	4,347	4,347
30-Nov-18	BlackRock International Limited	on mkt buy	73.55	AUD	ORD	9,525	9,525
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	847	847
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	2,161	2,161
30-Nov-18	BlackRock Investment Management, LLC	on mkt buy	73.58	AUD	ORD	5,021	5,021
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.58	AUD	ORD	734	734
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	1,415	1,415
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.58	AUD	ORD	5,860	5,860
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.58	AUD	ORD	792	792
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.58	AUD	ORD	266	266
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	541	541
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	4,175	4,175
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	2,628	2,628
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	73.58	AUD	ORD	1,985	1,985
30-Nov-18	BlackRock Advisors, LLC	on mkt buy	73.58	AUD	ORD	6,133	6,133
30-Nov-18	BlackRock Advisors, LLC	on mkt buy	73.58	AUD	ORD	2,084	2,084
30-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.58	AUD	ORD	750	750
30-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.58	AUD	ORD	6,454	6,454
30-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.58	AUD	ORD	1,717	1,717
30-Nov-18	BlackRock Investment Management, LLC	on mkt buy	73.58	AUD	ORD	920	920
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.58	AUD	ORD	831	831
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	4,149	4,149
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	24,365	24,365
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	1,858	1,858
30-Nov-18	BlackRock Advisors, LLC	on mkt buy	73.58	AUD	ORD	1,667	1,667
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	12,995	12,995
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	3,692	3,692
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	5,065	5,065
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	73.58	AUD	ORD	445	445
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.58	AUD	ORD	13,257	13,257
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.58	AUD	ORD	10,554	10,554
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.58	AUD	ORD	4,824	4,824

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		
30-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.58	AUD	ORD	1,126	1,126
30-Nov-18	BlackRock Investment Management, LLC	on mkt buy	73.58	AUD	ORD	296	296
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	73.58	AUD	ORD	2,701	2,701
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	513	513
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	15,624	15,624
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	2,995	2,995
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	178	178
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.58	AUD	ORD	129	129
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.28	AUD	ORD	-532	-532
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.28	AUD	ORD	-1,236	-1,236
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.28	AUD	ORD	-3,706	-3,706
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.28	AUD	ORD	-437	-437
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.28	AUD	ORD	-1,318	-1,318
30-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	73.28	AUD	ORD	-403	-403
30-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	73.28	AUD	ORD	-132	-132
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.28	AUD	ORD	-528	-528
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.28	AUD	ORD	-1,589	-1,589
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.28	AUD	ORD	-928	-928
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.28	AUD	ORD	-2,778	-2,778
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt sell	73.28	AUD	ORD	-73	-73
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt sell	73.28	AUD	ORD	-714	-714
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt sell	73.28	AUD	ORD	-2,144	-2,144
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt sell	73.28	AUD	ORD	-642	-642
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt sell	73.28	AUD	ORD	-214	-214
30-Nov-18	BlackRock Advisors, LLC	on mkt sell	73.28	AUD	ORD	-292	-292
30-Nov-18	BlackRock Advisors, LLC	on mkt sell	73.28	AUD	ORD	-95	-95
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.28	AUD	ORD	4,083	4,083
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell	73.28	AUD	ORD	-147	-147
30-Nov-18	BlackRock (Singapore) Limited	on mkt sell	73.28	AUD	ORD	-586	-586
30-Nov-18	BlackRock (Singapore) Limited	on mkt sell	73.28	AUD	ORD	-195	-195
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.28	AUD	ORD	1,764	1,764
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.28	AUD	ORD	2,824	2,824
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.28	AUD	ORD	-178	-178
30-Nov-18	BlackRock Investment Management, LLC	on mkt sell	73.28	AUD	ORD	-315	-315
30-Nov-18	BlackRock Investment Management, LLC	on mkt sell	73.28	AUD	ORD	-952	-952
30-Nov-18	BlackRock Fund Advisors	on mkt buy	73.28	AUD	ORD	44,251	44,251
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell	73.28	AUD	ORD	-2,573	-2,573
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell	73.28	AUD	ORD	-859	-859
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.28	AUD	ORD	1,700	1,700
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.28	AUD	ORD	-6,523	-6,523
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.28	AUD	ORD	-2,175	-2,175
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.28	AUD	ORD	-220	-220
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.28	AUD	ORD	-2,563	-2,563
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.28	AUD	ORD	-855	-855
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	73.28	AUD	ORD	6,438	6,438
30-Nov-18	BlackRock Fund Advisors	on mkt sell	73.28	AUD	ORD	-3,607	-3,607
30-Nov-18	BlackRock Fund Advisors	on mkt sell	73.28	AUD	ORD	-1,203	-1,203
30-Nov-18	BlackRock Fund Advisors	on mkt sell	73.28	AUD	ORD	-240	-240
30-Nov-18	BlackRock Fund Advisors	on mkt sell	73.28	AUD	ORD	-725	-725

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
30-Nov-18	BlackRock Fund Advisors	on mkt sell	73.28	AUD	ORD	-1,730	-1,730
30-Nov-18	BlackRock Fund Advisors	on mkt sell	73.28	AUD	ORD	-5,182	-5,182
30-Nov-18	BlackRock Fund Advisors	on mkt sell	73.28	AUD	ORD	-6,631	-6,631
30-Nov-18	BlackRock Fund Advisors	on mkt sell	73.28	AUD	ORD	-19,869	-19,869
30-Nov-18	BlackRock Fund Advisors	on mkt sell	73.28	AUD	ORD	-1,009	-1,009
30-Nov-18	BlackRock Fund Advisors	on mkt sell	73.28	AUD	ORD	-335	-335
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.28	AUD	ORD	-1,812	-1,812
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.28	AUD	ORD	-602	-602
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.28	AUD	ORD	172	172
30-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	73.28	AUD	ORD	38	38
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.28	AUD	ORD	-32,032	-32,032
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.28	AUD	ORD	-10,691	-10,691
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.28	AUD	ORD	-3,073	-3,073
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.28	AUD	ORD	-9,212	-9,212
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell	73.28	AUD	ORD	-1,190	-1,190
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell	73.28	AUD	ORD	-3,563	-3,563
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	73.28	AUD	ORD	2,784	2,784
30-Nov-18	BlackRock (Netherlands) B.V.	on mkt sell	73.28	AUD	ORD	-178	-178
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell	73.28	AUD	ORD	-117	-117
30-Nov-18	BlackRock Financial Management, Inc.	on mkt sell	73.28	AUD	ORD	-100	-100
30-Nov-18	BlackRock Financial Management, Inc.	on mkt sell	73.28	AUD	ORD	-300	-300
30-Nov-18	BlackRock Investment Management, LLC	on mkt buy	73.28	AUD	ORD	11,342	11,342
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.28	AUD	ORD	-3,225	-3,225
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.28	AUD	ORD	-1,077	-1,077
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.28	AUD	ORD	1,009	1,009
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.28	AUD	ORD	-433	-433
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell	73.28	AUD	ORD	-143	-143
30-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	73.28	AUD	ORD	2,830	2,830
30-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	73.28	AUD	ORD	-436	-436
30-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	73.28	AUD	ORD	-1,312	-1,312
30-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	73.28	AUD	ORD	-78	-78
30-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	73.28	AUD	ORD	-238	-238
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.28	AUD	ORD	-1,173	-1,173
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.28	AUD	ORD	-3,513	-3,513
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell	73.28	AUD	ORD	-2,610	-2,610
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell	73.28	AUD	ORD	-7,822	-7,822
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt sell	73.28	AUD	ORD	-24	-24
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell	73.28	AUD	ORD	-48	-48
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt sell	73.28	AUD	ORD	-58	-58
30-Nov-18	BlackRock Advisors (UK) Limited	on mkt sell	73.28	AUD	ORD	-72	-72
30-Nov-18	BlackRock (Netherlands) B.V.	on mkt sell	73.28	AUD	ORD	-59	-59

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
30-Nov-18	BlackRock Asset Management Canada Limited	on mkt sell 73.28	AUD	ORD -37	-37
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.28	AUD	ORD 10,203	10,203
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell 73.28	AUD	ORD -19,918	-19,918
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.28	AUD	ORD 16,344	16,344
30-Nov-18	BlackRock Investment Management, LLC	on mkt sell 73.28	AUD	ORD -176	-176
30-Nov-18	BlackRock Fund Advisors	on mkt sell 73.28	AUD	ORD -199,930	-199,930
30-Nov-18	BlackRock Fund Advisors	on mkt buy 73.28	AUD	ORD 256,020	256,020
30-Nov-18	BlackRock Fund Advisors	on mkt sell 73.28	AUD	ORD -14,836	-14,836
30-Nov-18	BlackRock Fund Advisors	on mkt sell 73.28	AUD	ORD -40,602	-40,602
30-Nov-18	BlackRock Fund Advisors	on mkt sell 73.28	AUD	ORD -276	-276
30-Nov-18	BlackRock Fund Advisors	on mkt sell 73.28	AUD	ORD -1,698	-1,698
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell 73.28	AUD	ORD -3,298	-3,298
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.28	AUD	ORD 995	995
30-Nov-18	BlackRock Investment Management, LLC	on mkt sell 73.28	AUD	ORD -11,206	-11,206
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.28	AUD	ORD 5,834	5,834
30-Nov-18	BlackRock Financial Management, Inc.	on mkt buy 73.28	AUD	ORD 16,372	16,372
30-Nov-18	BlackRock Fund Advisors	on mkt sell 73.28	AUD	ORD -1,416	-1,416
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt sell 73.28	AUD	ORD -12,412	-12,412
30-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy 73.28	AUD	ORD 330	330
30-Nov-18	BlackRock Financial Management, Inc.	collateral transfer n/a	AUD	ORD -101	-101
30-Nov-18	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD 115	115
30-Nov-18	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD -14	-14
03-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 74.97	AUD	ORD 63	63
03-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell 74.95	AUD	ORD -3,805	-3,805
03-Dec-18	BlackRock Fund Advisors	on mkt buy 74.50	AUD	ORD 370	370
03-Dec-18	BlackRock Investment Management, LLC	on mkt buy 74.50	AUD	ORD 328	328
03-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt sell 74.97	AUD	ORD -4,638	-4,638
03-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 75.00	AUD	ORD 79	79
03-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 74.99	AUD	ORD 24,573	24,573
03-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy 74.99	AUD	ORD 4,849	4,849
03-Dec-18	BlackRock Fund Advisors	on mkt buy 74.99	AUD	ORD 2,637	2,637
03-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 624	624
03-Dec-18	BlackRock Financial Management, Inc.	collateral transfer n/a	AUD	ORD 11,396	11,396
03-Dec-18	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD -14,955	-14,955
03-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD 3,559	3,559
04-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell 74.97	AUD	ORD -953	-953
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 74.69	AUD	ORD 2,009	2,009
04-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy 73.79	AUD	ORD 2,183	2,183
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 1,400	1,400
04-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 73.77	AUD	ORD 1,428	1,428
04-Dec-18	BlackRock Investment Management, LLC	on mkt buy 73.77	AUD	ORD 2,559	2,559
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 2,961	2,961

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
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 644	644
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 715	715
04-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 73.77	AUD	ORD 3,329	3,329
04-Dec-18	BlackRock Advisors, LLC	on mkt buy 73.77	AUD	ORD 3,144	3,144
04-Dec-18	BlackRock Advisors, LLC	on mkt buy 73.78	AUD	ORD 1,850	1,850
04-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy 73.77	AUD	ORD 2,066	2,066
04-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 73.78	AUD	ORD 5,279	5,279
04-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 73.78	AUD	ORD 4,099	4,099
04-Dec-18	BlackRock International Limited	on mkt buy 73.77	AUD	ORD 2,638	2,638
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 6,860	6,860
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 3,880	3,880
04-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 73.77	AUD	ORD 729	729
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 7,575	7,575
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 2,279	2,279
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 4,449	4,449
04-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 73.77	AUD	ORD 10,840	10,840
04-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 73.77	AUD	ORD 8,444	8,444
04-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 73.77	AUD	ORD 938	938
04-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy 73.77	AUD	ORD 2,188	2,188
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 9,713	9,713
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 3,455	3,455
04-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 73.77	AUD	ORD 602	602
04-Dec-18	BlackRock Investment Management, LLC	on mkt buy 73.78	AUD	ORD 458	458
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 74.06	AUD	ORD 266	266
04-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy 73.77	AUD	ORD 425	425
04-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 73.77	AUD	ORD 181	181
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 424	424
04-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy 73.77	AUD	ORD 160	160
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.77	AUD	ORD 103	103
04-Dec-18	BlackRock Advisors, LLC	on mkt sell 73.51	AUD	ORD -255	-255
04-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 73.51	AUD	ORD 110	110
04-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell 73.51	AUD	ORD -800	-800
04-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell 73.51	AUD	ORD -631	-631
04-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell 73.51	AUD	ORD -9,875	-9,875
04-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy 73.51	AUD	ORD 755	755
04-Dec-18	BlackRock Advisors, LLC	on mkt sell 73.51	AUD	ORD -7,824	-7,824
04-Dec-18	BlackRock Japan Co., Ltd.	on mkt sell 73.51	AUD	ORD -1,158	-1,158
04-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 73.51	AUD	ORD 307	307
04-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 2,079	2,079
04-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 2,295	2,295
04-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 2,066	2,066
04-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 600	600
04-Dec-18	BlackRock Financial Management, Inc.	collateral transfer n/a	AUD	ORD -19,531	-19,531
04-Dec-18	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD 19,462	19,462
04-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD -4,931	-4,931

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
05-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell 73.66	AUD	ORD -2,477	-2,477
05-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt sell 73.66	AUD	ORD -7,872	-7,872
05-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 73.69	AUD	ORD 1,039	1,039
05-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 73.69	AUD	ORD 894	894
05-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 73.69	AUD	ORD 700	700
05-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 73.69	AUD	ORD 6,477	6,477
05-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.62	AUD	ORD 91	91
05-Dec-18	BlackRock Fund Advisors	on mkt buy 73.71	AUD	ORD 15,498	15,498
05-Dec-18	BlackRock Fund Advisors	on mkt buy 73.71	AUD	ORD 1,812	1,812
05-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD 228,369	228,369
05-Dec-18	BlackRock Financial Management, Inc.	collateral transfer n/a	AUD	ORD -34,324	-34,324
05-Dec-18	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD -61,391	-61,391
05-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD 722	722
06-Dec-18	BlackRock Investment Management (UK) Limited	in specie n/a	AUD	ORD 341,107	341,107
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.29	AUD	ORD 2,124	2,124
06-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 72.29	AUD	ORD 1,467	1,467
06-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 72.29	AUD	ORD 17,766	17,766
06-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 72.29	AUD	ORD 6,119	6,119
06-Dec-18	BlackRock Investment Management, LLC	on mkt buy 72.29	AUD	ORD 1,516	1,516
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.29	AUD	ORD 3,504	3,504
06-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy 72.35	AUD	ORD 6,280	6,280
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.29	AUD	ORD 1,697	1,697
06-Dec-18	BlackRock Advisors, LLC	on mkt buy 72.29	AUD	ORD 1,416	1,416
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.29	AUD	ORD 8,851	8,851
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.29	AUD	ORD 2,431	2,431
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.29	AUD	ORD 14,673	14,673
06-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 72.29	AUD	ORD 12,191	12,191
06-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 72.29	AUD	ORD 9,518	9,518
06-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 72.29	AUD	ORD 1,712	1,712
06-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy 72.29	AUD	ORD 2,361	2,361
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.29	AUD	ORD 8,368	8,368
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.29	AUD	ORD 3,337	3,337
06-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell 72.29	AUD	ORD -391	-391
06-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 72.35	AUD	ORD 3,058	3,058
06-Dec-18	BlackRock International Limited	on mkt buy 72.35	AUD	ORD 11,601	11,601
06-Dec-18	BlackRock Japan Co., Ltd.	on mkt sell 72.27	AUD	ORD -22,943	-22,943
06-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell 72.21	AUD	ORD -3,164	-3,164
06-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 72.21	AUD	ORD 4,107	4,107
06-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 72.21	AUD	ORD 220	220
06-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 72.21	AUD	ORD 880	880
06-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 72.21	AUD	ORD 266	266
06-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 72.21	AUD	ORD 1,511	1,511
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.21	AUD	ORD 939	939

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
06-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 72.21	AUD	ORD 635	635
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.21	AUD	ORD 5,162	5,162
06-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 1,656	1,656
06-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 6,348	6,348
06-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 2,835	2,835
06-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 4,232	4,232
06-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 895	895
06-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 2,066	2,066
06-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 5,832	5,832
06-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 13,488	13,488
06-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD -228,369	-228,369
06-Dec-18	BlackRock Financial Management, Inc.	collateral transfer n/a	AUD	ORD 432	432
06-Dec-18	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD 670	670
06-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD -1,102	-1,102
07-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.33	AUD	ORD 4,001	4,001
07-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.33	AUD	ORD 825	825
07-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 72.32	AUD	ORD 530	530
07-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 72.32	AUD	ORD 1,998	1,998
07-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell 72.32	AUD	ORD -632	-632
07-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell 72.32	AUD	ORD -99	-99
07-Dec-18	BlackRock Fund Advisors	on mkt buy 72.32	AUD	ORD 2,673	2,673
07-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy 72.32	AUD	ORD 68	68
07-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 828	828
07-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 2,835	2,835
07-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 1,530	1,530
07-Dec-18	BlackRock Advisors, LLC	on mkt sell 71.34	AUD	ORD -39	-39
07-Dec-18	BlackRock Investment Management, LLC	on mkt sell 71.34	AUD	ORD -129	-129
07-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 3,240	3,240
07-Dec-18	BlackRock Investment Management (UK) Limited	in specie n/a	AUD	ORD -5,452	-5,452
07-Dec-18	BlackRock Advisors, LLC	collateral transfer n/a	AUD	ORD 143	143
07-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer n/a	AUD	ORD 46	46
07-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD 54,000	54,000
07-Dec-18	BlackRock Financial Management, Inc.	collateral transfer n/a	AUD	ORD 151	151
07-Dec-18	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD 2,090	2,090
07-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD 499	499
07-Dec-18	BlackRock Asset Management North Asia Limited	collateral transfer n/a	AUD	ORD 935	935
10-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.21	AUD	ORD 476	476
10-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 72.21	AUD	ORD 203	203
10-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 71.95	AUD	ORD 2,105	2,105
10-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell 71.95	AUD	ORD -2,373	-2,373
10-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 71.95	AUD	ORD 214	214
10-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 71.95	AUD	ORD 444	444
10-Dec-18	BlackRock Asset Management Canada Limited	on mkt sell 71.95	AUD	ORD -177	-177
10-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 71.95	AUD	ORD 6,013	6,013
10-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 71.95	AUD	ORD 369	369
10-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 5,290	5,290
10-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 469	469
10-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 1,041	1,041
10-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 3,126	3,126
10-Dec-18	BlackRock Advisors, LLC	collateral transfer n/a	AUD	ORD -143	-143
10-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer n/a	AUD	ORD -46	-46
10-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD -49,000	-49,000

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
10-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-520	-520
10-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-915	-915
10-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-6,304	-6,304
10-Dec-18	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-935	-935
11-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy	72.74	AUD	ORD	896	896
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	72.74	AUD	ORD	743	743
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	72.74	AUD	ORD	612	612
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	72.74	AUD	ORD	6,614	6,614
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	72.74	AUD	ORD	5,181	5,181
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	72.74	AUD	ORD	2,761	2,761
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	72.74	AUD	ORD	2,364	2,364
11-Dec-18	BlackRock Advisors, LLC	on mkt buy	72.74	AUD	ORD	679	679
11-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	72.74	AUD	ORD	8,200	8,200
11-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	72.74	AUD	ORD	2,699	2,699
11-Dec-18	BlackRock Investment Management, LLC	on mkt buy	72.74	AUD	ORD	1,376	1,376
11-Dec-18	BlackRock International Limited	on mkt buy	72.74	AUD	ORD	6,620	6,620
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	72.74	AUD	ORD	6,088	6,088
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	72.74	AUD	ORD	7,902	7,902
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	72.74	AUD	ORD	4,000	4,000
11-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy	72.74	AUD	ORD	1,787	1,787
11-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	72.74	AUD	ORD	6,854	6,854
11-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	72.74	AUD	ORD	5,371	5,371
11-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	72.74	AUD	ORD	10,576	10,576
11-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	72.74	AUD	ORD	715	715
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	72.74	AUD	ORD	1,172	1,172
11-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	72.74	AUD	ORD	598	598
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	72.74	AUD	ORD	547	547
11-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	72.75	AUD	ORD	1,694	1,694
11-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	72.72	AUD	ORD	-501	-501
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	72.74	AUD	ORD	192	192
11-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	72.72	AUD	ORD	-293	-293
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	72.72	AUD	ORD	-329	-329
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	72.74	AUD	ORD	110	110
11-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	72.88	AUD	ORD	4,210	4,210
11-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	72.88	AUD	ORD	1,600	1,600
11-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	72.88	AUD	ORD	-632	-632
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	72.88	AUD	ORD	-322	-322
11-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,268	2,268
11-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,126	3,126
11-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-20,808	-20,808
11-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-28,080	-28,080
11-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-2,726	-2,726
12-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	73.89	AUD	ORD	429	429
12-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	73.89	AUD	ORD	24,645	24,645

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
12-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 73.89	AUD	ORD 356	356
12-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 73.89	AUD	ORD 326	326
12-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 74.10	AUD	ORD 333	333
12-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell 74.10	AUD	ORD -380	-380
12-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell 74.10	AUD	ORD -6,642	-6,642
12-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell 74.10	AUD	ORD -6,339	-6,339
12-Dec-18	BlackRock Financial Management, Inc.	on mkt sell 74.10	AUD	ORD -3,894	-3,894
12-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy 74.10	AUD	ORD 68,325	68,325
12-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy 74.10	AUD	ORD 231	231
12-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 2,457	2,457
12-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 1,701	1,701
12-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 4,590	4,590
12-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 875	875
12-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 335	335
12-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 2,592	2,592
12-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 201	201
12-Dec-18	BlackRock Fund Advisors	in specie n/a	AUD	ORD 2,835	2,835
12-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer n/a	AUD	ORD 5,000	5,000
12-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD 62,529	62,529
12-Dec-18	BlackRock Financial Management, Inc.	collateral transfer n/a	AUD	ORD -26	-26
12-Dec-18	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD -45	-45
12-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD 71	71
13-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy 75.57	AUD	ORD 4,900	4,900
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 75.57	AUD	ORD 1,687	1,687
13-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy 75.57	AUD	ORD 1,479	1,479
13-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy 75.57	AUD	ORD 801	801
13-Dec-18	BlackRock Advisors, LLC	on mkt buy 75.57	AUD	ORD 2,729	2,729
13-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 75.57	AUD	ORD 676	676
13-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 75.57	AUD	ORD 7,530	7,530
13-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 75.57	AUD	ORD 2,323	2,323
13-Dec-18	BlackRock Investment Management, LLC	on mkt buy 75.57	AUD	ORD 1,047	1,047
13-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy 75.57	AUD	ORD 1,523	1,523
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 75.57	AUD	ORD 1,205	1,205
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 75.57	AUD	ORD 96,037	96,037
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 75.57	AUD	ORD 5,368	5,368
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 75.57	AUD	ORD 1,013	1,013
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 75.57	AUD	ORD 6,774	6,774
13-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 75.57	AUD	ORD 7,326	7,326
13-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 75.57	AUD	ORD 5,799	5,799
13-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy 75.57	AUD	ORD 4,518	4,518
13-Dec-18	BlackRock Financial Management, Inc.	on mkt buy 75.57	AUD	ORD 1,142	1,142
13-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy 75.57	AUD	ORD 1,024	1,024
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 75.57	AUD	ORD 3,317	3,317
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 75.47	AUD	ORD 423	423
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy 75.57	AUD	ORD 530	530
13-Dec-18	BlackRock Investment Management, LLC	on mkt buy 75.57	AUD	ORD 426	426

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		
13-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy	75.57	AUD	ORD	433	433
13-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	75.57	AUD	ORD	673	673
13-Dec-18	BlackRock Advisors, LLC	on mkt buy	75.57	AUD	ORD	656	656
13-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	75.57	AUD	ORD	629	629
13-Dec-18	BlackRock Advisors, LLC	on mkt buy	75.57	AUD	ORD	480	480
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.57	AUD	ORD	290	290
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.57	AUD	ORD	586	586
13-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	75.58	AUD	ORD	940	940
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.58	AUD	ORD	2,232	2,232
13-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	75.57	AUD	ORD	246	246
13-Dec-18	BlackRock International Limited	on mkt buy	75.58	AUD	ORD	6,768	6,768
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.57	AUD	ORD	160	160
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.48	AUD	ORD	70	70
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.64	AUD	ORD	3,783	3,783
13-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.69	AUD	ORD	-353	-353
13-Dec-18	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-7,088	-7,088
13-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-5,058	-5,058
13-Dec-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	5,038	5,038
13-Dec-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ORD	-5,038	-5,038
13-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-5,000	-5,000
13-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-9,786	-9,786
13-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	67	67
13-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	93	93
13-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-159	-159
14-Dec-18	BlackRock Investment Management, LLC	on mkt sell	74.92	AUD	ORD	-4,401	-4,401
14-Dec-18	BlackRock Financial Management, Inc.	on mkt sell	74.92	AUD	ORD	-5,100	-5,100
14-Dec-18	BlackRock Fund Advisors	on mkt buy	74.57	AUD	ORD	1,250	1,250
14-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	74.57	AUD	ORD	-3,160	-3,160
14-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	74.57	AUD	ORD	-1,994	-1,994
14-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	74.57	AUD	ORD	110	110
14-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	74.57	AUD	ORD	6,010	6,010
14-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	74.57	AUD	ORD	1,953	1,953
14-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	74.57	AUD	ORD	-1,038	-1,038
14-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	74.57	AUD	ORD	-5,481	-5,481
14-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	74.57	AUD	ORD	227	227
14-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,670	5,670
14-Dec-18	BlackRock Advisors, LLC	on mkt sell	74.12	AUD	ORD	-305	-305
14-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,084	2,084
14-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-57,743	-57,743
14-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	7	7
14-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-8	-8
17-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	76.17	AUD	ORD	-146	-146
17-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	76.17	AUD	ORD	940	940
17-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	76.17	AUD	ORD	-638	-638
17-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	76.17	AUD	ORD	-6,494	-6,494
17-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,701	1,701
17-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,825	3,825
17-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	459	459

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-18	BlackRock Advisors, LLC	on mkt sell	75.10	AUD	ORD	-181	-181
17-Dec-18	BlackRock Advisors, LLC	on mkt sell	75.10	AUD	ORD	-285	-285
17-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,082	2,082
17-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	47,570	47,570
17-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	6	6
17-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-6	-6
18-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.17	AUD	ORD	-5,530	-5,530
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	1,757	1,757
18-Dec-18	BlackRock Investment Management, LLC	on mkt buy	76.38	AUD	ORD	3,586	3,586
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	487	487
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	392	392
18-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	76.38	AUD	ORD	3,628	3,628
18-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	76.38	AUD	ORD	402	402
18-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy	76.38	AUD	ORD	204	204
18-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	76.38	AUD	ORD	274	274
18-Dec-18	BlackRock Advisors, LLC	on mkt buy	76.38	AUD	ORD	2,256	2,256
18-Dec-18	BlackRock Advisors, LLC	on mkt buy	76.38	AUD	ORD	2,384	2,384
18-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	76.38	AUD	ORD	2,234	2,234
18-Dec-18	BlackRock Investment Management, LLC	on mkt buy	76.38	AUD	ORD	311	311
18-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy	76.38	AUD	ORD	2,041	2,041
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	2,301	2,301
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	3,173	3,173
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	387	387
18-Dec-18	BlackRock Advisors, LLC	on mkt buy	76.38	AUD	ORD	399	399
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	1,430	1,430
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	1,014	1,014
18-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	76.38	AUD	ORD	438	438
18-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	76.38	AUD	ORD	308	308
18-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	76.38	AUD	ORD	448	448
18-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	76.38	AUD	ORD	306	306
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	1,162	1,162
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	1,926	1,926
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	949	949
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	4,472	4,472
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.06	AUD	ORD	139	139
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	76.38	AUD	ORD	49	49
18-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	76.01	AUD	ORD	-784	-784
18-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	76.05	AUD	ORD	-672	-672
18-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	76.05	AUD	ORD	110	110
18-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	76.05	AUD	ORD	-95	-95
18-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	76.05	AUD	ORD	83	83
18-Dec-18	BlackRock Fund Advisors	on mkt sell	76.05	AUD	ORD	-1,035	-1,035
18-Dec-18	BlackRock Fund Advisors	on mkt sell	76.05	AUD	ORD	-8,006	-8,006
18-Dec-18	BlackRock Fund Advisors	on mkt sell	76.05	AUD	ORD	-11,424	-11,424
18-Dec-18	BlackRock Fund Advisors	on mkt sell	76.05	AUD	ORD	-4,515	-4,515
18-Dec-18	BlackRock Fund Advisors	on mkt sell	76.05	AUD	ORD	-814	-814
18-Dec-18	BlackRock Asset Management Canada Limited	on mkt sell	76.05	AUD	ORD	-520	-520
18-Dec-18	BlackRock Fund Advisors	on mkt sell	76.05	AUD	ORD	-270	-270

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-18	BlackRock Institutional Trust Company, National Association	on mkt sell	AUD	ORD -769	-769
18-Dec-18	BlackRock Fund Advisors	on mkt sell	AUD	ORD -18,812	-18,812
18-Dec-18	BlackRock Fund Advisors	in specie	AUD	ORD 276	276
18-Dec-18	BlackRock Fund Advisors	in specie	AUD	ORD -17,842	-17,842
18-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	AUD	ORD -38,184	-38,184
18-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	AUD	ORD -23	-23
18-Dec-18	BlackRock Investment Management, LLC	collateral transfer	AUD	ORD 18	18
18-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	AUD	ORD 5	5
19-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy	AUD	ORD 4,832	4,832
19-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	AUD	ORD 53,406	53,406
19-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	AUD	ORD 13,989	13,989
19-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 28	28
19-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 426	426
19-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	AUD	ORD -1,580	-1,580
19-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	AUD	ORD -1,332	-1,332
19-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	AUD	ORD -198	-198
19-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	AUD	ORD -190	-190
19-Dec-18	BlackRock Fund Advisors	on mkt buy	AUD	ORD 1,690	1,690
19-Dec-18	BlackRock Asset Management Canada Limited	on mkt sell	AUD	ORD -934	-934
19-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 1,632	1,632
19-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	AUD	ORD -777	-777
19-Dec-18	BlackRock Fund Advisors	in specie	AUD	ORD -1,244	-1,244
19-Dec-18	BlackRock Fund Advisors	in specie	AUD	ORD 828	828
19-Dec-18	BlackRock Fund Advisors	in specie	AUD	ORD 3,087	3,087
19-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	AUD	ORD 600	600
19-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	AUD	ORD 361,557	361,557
19-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	AUD	ORD -9	-9
19-Dec-18	BlackRock Investment Management, LLC	collateral transfer	AUD	ORD 3	3
19-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	AUD	ORD 6	6
20-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	AUD	ORD -6,255	-6,255
20-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	AUD	ORD 844	844
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 2,465	2,465
20-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	AUD	ORD 348	348
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 1,513	1,513
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 623	623
20-Dec-18	BlackRock Investment Management, LLC	on mkt buy	AUD	ORD 506	506
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 482	482
20-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	AUD	ORD 965	965
20-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	AUD	ORD 2,575	2,575
20-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	AUD	ORD 659	659
20-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	AUD	ORD 305	305
20-Dec-18	BlackRock Advisors, LLC	on mkt buy	AUD	ORD 1,713	1,713
20-Dec-18	BlackRock Advisors, LLC	on mkt buy	AUD	ORD 872	872
20-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	AUD	ORD 728	728
20-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy	AUD	ORD 221	221
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 1,545	1,545
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 223	223

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
20-Dec-18	BlackRock Advisors, LLC	on mkt buy	75.92	AUD	ORD	428	428
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.92	AUD	ORD	763	763
20-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	75.92	AUD	ORD	1,549	1,549
20-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	75.92	AUD	ORD	516	516
20-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	75.92	AUD	ORD	467	467
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.92	AUD	ORD	1,949	1,949
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.92	AUD	ORD	856	856
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.92	AUD	ORD	205	205
20-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	75.92	AUD	ORD	205	205
20-Dec-18	BlackRock Investment Management, LLC	on mkt buy	75.92	AUD	ORD	193	193
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.92	AUD	ORD	214	214
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.92	AUD	ORD	100	100
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.92	AUD	ORD	48	48
20-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.11	AUD	ORD	-190	-190
20-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.11	AUD	ORD	-285	-285
20-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy	75.11	AUD	ORD	616	616
20-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	75.11	AUD	ORD	1,239	1,239
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.11	AUD	ORD	406	406
20-Dec-18	BlackRock (Netherlands) B.V.	on mkt buy	75.11	AUD	ORD	96	96
20-Dec-18	BlackRock Fund Advisors	on mkt buy	75.11	AUD	ORD	9,984	9,984
20-Dec-18	BlackRock Fund Advisors	on mkt buy	75.11	AUD	ORD	1,911	1,911
20-Dec-18	BlackRock Fund Advisors	on mkt buy	75.11	AUD	ORD	1,290	1,290
20-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	75.11	AUD	ORD	487	487
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.11	AUD	ORD	9,614	9,614
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.11	AUD	ORD	2,207	2,207
20-Dec-18	BlackRock (Netherlands) B.V.	on mkt buy	75.11	AUD	ORD	393	393
20-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	75.11	AUD	ORD	-1,705	-1,705
20-Dec-18	BlackRock Fund Advisors	on mkt buy	75.11	AUD	ORD	5,688	5,688
20-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	75.11	AUD	ORD	184	184
20-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	76.08	AUD	ORD	-2,379	-2,379
20-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,192	4,192
20-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-6,568	-6,568
20-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	591	591
20-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	11,514	11,514
20-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-19,754	-19,754
20-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	3	3
20-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	2,469	2,469
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt sell	75.63	AUD	ORD	-16,348	-16,348
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	75.66	AUD	ORD	6,537	6,537
21-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.66	AUD	ORD	-12,572	-12,572
21-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	75.66	AUD	ORD	-3,305	-3,305
21-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	75.66	AUD	ORD	-1,060	-1,060
21-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	75.66	AUD	ORD	-5,019	-5,019
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	75.66	AUD	ORD	8,030	8,030
21-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy	75.66	AUD	ORD	880	880
21-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	75.66	AUD	ORD	-3,007	-3,007

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	
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	75.66	AUD	ORD	1,931	1,931
21-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	75.66	AUD	ORD	945	945
21-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.66	AUD	ORD	-131	-131
21-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.66	AUD	ORD	-555	-555
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	75.66	AUD	ORD	1,919	1,919
21-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.66	AUD	ORD	680	680
21-Dec-18	BlackRock Financial Management, Inc.	on mkt sell	75.66	AUD	ORD	-709	-709
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	75.66	AUD	ORD	1,242	1,242
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	75.66	AUD	ORD	3,634	3,634
21-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.66	AUD	ORD	-3,172	-3,172
21-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	75.66	AUD	ORD	56	56
21-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.66	AUD	ORD	-380	-380
21-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.66	AUD	ORD	-37,512	-37,512
21-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	75.66	AUD	ORD	-9,860	-9,860
21-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	75.66	AUD	ORD	-3,162	-3,162
21-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	75.66	AUD	ORD	-14,975	-14,975
21-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	75.66	AUD	ORD	-8,972	-8,972
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	75.66	AUD	ORD	4,564	4,564
21-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	75.66	AUD	ORD	-391	-391
21-Dec-18	BlackRock Financial Management, Inc.	on mkt sell	75.66	AUD	ORD	-2,116	-2,116
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	75.66	AUD	ORD	2,671	2,671
21-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	75.66	AUD	ORD	1,683	1,683
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	75.66	AUD	ORD	223	223
21-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	75.66	AUD	ORD	1,102	1,102
21-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,088	2,088
21-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,480	5,480
21-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	875	875
21-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-8,346	-8,346
21-Dec-18	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	65	65
21-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-491	-491
21-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-341,803	-341,803
21-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	19	19
21-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	1,520	1,520
21-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-1,835	-1,835
21-Dec-18	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	495	495
24-Dec-18	BlackRock Fund Advisors	on mkt buy	77.22	AUD	ORD	1,183	1,183
24-Dec-18	BlackRock Fund Advisors	on mkt buy	77.22	AUD	ORD	1,317	1,317
24-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,220	5,220
24-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,368	1,368
24-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,122	2,122
24-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,244	4,244
24-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	591	591
24-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,852	-3,852
24-Dec-18	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	-65	-65
24-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	6,896	6,896
24-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	266	266
24-Dec-18	BlackRock Capital Management, Inc.	collateral transfer	n/a	AUD	ORD	2	2
24-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	19,201	19,201
24-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	24,516	24,516
24-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	4,182	4,182

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
24-Dec-18	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-484	-484
25-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-27,905	-27,905
25-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-266	-266
25-Dec-18	BlackRock Capital Management, Inc.	collateral transfer	n/a	AUD	ORD	-2	-2
25-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-30,134	-30,134
25-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-40,766	-40,766
25-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-6,037	-6,037
25-Dec-18	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-11	-11
26-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	828	828
26-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,192	4,192
26-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,216	1,216
26-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,344	3,344
26-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	17,619	17,619
26-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	266	266
26-Dec-18	BlackRock Capital Management, Inc.	collateral transfer	n/a	AUD	ORD	2	2
26-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	30,168	30,168
26-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	40,742	40,742
26-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	4,283	4,283
26-Dec-18	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	11	11
27-Dec-18	BlackRock Advisors, LLC	on mkt sell	78.16	AUD	ORD	-6,832	-6,832
27-Dec-18	BlackRock Advisors, LLC	on mkt sell	78.16	AUD	ORD	-239	-239
27-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	77.85	AUD	ORD	8,711	8,711
27-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	77.83	AUD	ORD	19,424	19,424
27-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	77.66	AUD	ORD	-14,785	-14,785
27-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	77.66	AUD	ORD	-6,872	-6,872
27-Dec-18	BlackRock Investment Management, LLC	on mkt buy	77.66	AUD	ORD	1,013	1,013
27-Dec-18	BlackRock Fund Advisors	on mkt buy	77.66	AUD	ORD	729	729
27-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	77.66	AUD	ORD	-3,273	-3,273
27-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	77.66	AUD	ORD	-21,346	-21,346
27-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	77.66	AUD	ORD	-3,611	-3,611
27-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	77.66	AUD	ORD	-1,679	-1,679
27-Dec-18	BlackRock Investment Management, LLC	on mkt buy	77.66	AUD	ORD	2,228	2,228
27-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	77.66	AUD	ORD	3,062	3,062
27-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,336	7,336
27-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,952	3,952
27-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,272	-10,272
27-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	9,826	9,826
27-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-221	-221
27-Dec-18	BlackRock Capital Management, Inc.	collateral transfer	n/a	AUD	ORD	-2	-2
27-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	6,247	6,247
27-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	127	127
27-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	14,950	14,950
27-Dec-18	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-11	-11
28-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	78.08	AUD	ORD	-291	-291
28-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	78.08	AUD	ORD	-804	-804
28-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	78.08	AUD	ORD	-804	-804
28-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	78.08	AUD	ORD	617	617
28-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	78.08	AUD	ORD	-644	-644
28-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	78.08	AUD	ORD	-220	-220

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
28-Dec-18	BlackRock Investment Management, LLC	on mkt buy	78.08	AUD	ORD	1,002	1,002
28-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	78.08	AUD	ORD	11,184	11,184
28-Dec-18	BlackRock Fund Advisors	on mkt buy	78.08	AUD	ORD	3,524	3,524
28-Dec-18	BlackRock Fund Advisors	on mkt buy	78.08	AUD	ORD	360	360
28-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	78.08	AUD	ORD	1,853	1,853
28-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	78.08	AUD	ORD	2,470	2,470
28-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	78.08	AUD	ORD	695	695
28-Dec-18	BlackRock Investment Management (UK) Limited	on mkt buy	78.08	AUD	ORD	6,446	6,446
28-Dec-18	BlackRock Asset Management Canada Limited	on mkt sell	78.08	AUD	ORD	-104	-104
28-Dec-18	BlackRock Advisors, LLC	on mkt sell	78.08	AUD	ORD	-308	-308
28-Dec-18	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-20,612	-20,612
28-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	9,699	9,699
28-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-2,047	-2,047
28-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	1,894	1,894
28-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	152	152
31-Dec-18	BlackRock Financial Management, Inc.	in specie	n/a	AUD	ORD	-1,921	-1,921
31-Dec-18	BlackRock Financial Management, Inc.	in specie	n/a	AUD	ORD	1,921	1,921
31-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	78.47	AUD	ORD	-777	-777
31-Dec-18	BlackRock Advisors (UK) Limited	on mkt sell	78.47	AUD	ORD	-438	-438
31-Dec-18	BlackRock Investment Management (UK) Limited	on mkt sell	78.47	AUD	ORD	-10,693	-10,693
31-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	78.47	AUD	ORD	1,621	1,621
31-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	536	536
31-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,941	4,941
31-Dec-18	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	76,712	76,712
31-Dec-18	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-3,730	-3,730
31-Dec-18	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-4,922	-4,922
31-Dec-18	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-406	-406
01-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-2,300	-2,300
01-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-25,650	-25,650
01-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-36,557	-36,557
01-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-2,997	-2,997
02-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	76.70	AUD	ORD	-585	-585
02-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	76.65	AUD	ORD	119	119
02-Jan-19	BlackRock Advisors, LLC	on mkt sell	76.65	AUD	ORD	-369	-369
02-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	76.65	AUD	ORD	4,304	4,304
02-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,256	4,256
02-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-5,848	-5,848
02-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	394	394
02-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,941	4,941
02-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,183	3,183
02-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	2,872	2,872
02-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	1,302	1,302
02-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	24,948	24,948
02-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	36,761	36,761
02-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	3,494	3,494
03-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell	77.01	AUD	ORD	-2,570	-2,570

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
03-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy 76.72	AUD	ORD 303	303
03-Jan-19	BlackRock Investment Management, LLC	on mkt buy 76.72	AUD	ORD 404	404
03-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy 76.72	AUD	ORD 213	213
03-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy 76.72	AUD	ORD 947	947
03-Jan-19	BlackRock Asset Management Canada Limited	on mkt buy 76.72	AUD	ORD 603	603
03-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy 76.72	AUD	ORD 704	704
03-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy 76.72	AUD	ORD 323	323
03-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy 76.72	AUD	ORD 507	507
03-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy 76.72	AUD	ORD 1,037	1,037
03-Jan-19	BlackRock International Limited	on mkt buy 76.72	AUD	ORD 1,387	1,387
03-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy 76.71	AUD	ORD 2,142	2,142
03-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy 76.70	AUD	ORD 219	219
03-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell 76.69	AUD	ORD -30,124	-30,124
03-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell 76.69	AUD	ORD -6,553	-6,553
03-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy 76.65	AUD	ORD 266	266
03-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell 76.65	AUD	ORD -111	-111
03-Jan-19	BlackRock (Netherlands) B.V.	on mkt buy 76.65	AUD	ORD 71	71
03-Jan-19	BlackRock Investment Management, LLC	on mkt buy 76.65	AUD	ORD 844	844
03-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell 76.65	AUD	ORD -1,499	-1,499
03-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell 76.65	AUD	ORD -15	-15
03-Jan-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 552	552
03-Jan-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 3,183	3,183
03-Jan-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 201	201
03-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer n/a	AUD	ORD -2,872	-2,872
03-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD 4,018	4,018
03-Jan-19	BlackRock Financial Management, Inc.	collateral transfer n/a	AUD	ORD -790	-790
03-Jan-19	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD 717	717
03-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD 72	72
04-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy 76.19	AUD	ORD 691	691
04-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy 76.19	AUD	ORD 147	147
04-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy 76.19	AUD	ORD 156	156
04-Jan-19	BlackRock Investment Management, LLC	on mkt buy 76.82	AUD	ORD 4,396	4,396
04-Jan-19	BlackRock Asset Management Canada Limited	on mkt buy 76.82	AUD	ORD 334	334
04-Jan-19	BlackRock Investment Management (UK) Limited	on mkt buy 76.82	AUD	ORD 2,750	2,750
04-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy 76.82	AUD	ORD 84,763	84,763
04-Jan-19	BlackRock Financial Management, Inc.	on mkt buy 76.82	AUD	ORD 83	83
04-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell 76.83	AUD	ORD -808	-808
04-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy 76.83	AUD	ORD 266	266
04-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell 76.83	AUD	ORD -1,004	-1,004
04-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell 76.83	AUD	ORD -440	-440
04-Jan-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 1,566	1,566
04-Jan-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 4,095	4,095
04-Jan-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 1,376	1,376
04-Jan-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD -8,988	-8,988
04-Jan-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 201	201

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	
04-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,082	2,082
04-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	912	912
04-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	197	197
04-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-11,026	-11,026
04-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-4,564	-4,564
04-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-1,223	-1,223
04-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-16,468	-16,468
07-Jan-19	BlackRock Japan Co., Ltd.	on mkt buy	78.87	AUD	ORD	427	427
07-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	78.79	AUD	ORD	20	20
07-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	78.90	AUD	ORD	-3,172	-3,172
07-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	78.90	AUD	ORD	-2,520	-2,520
07-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	78.90	AUD	ORD	9,091	9,091
07-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	78.90	AUD	ORD	-3,965	-3,965
07-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	78.90	AUD	ORD	296	296
07-Jan-19	BlackRock Advisors, LLC	on mkt sell	78.90	AUD	ORD	-202	-202
07-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	966	966
07-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	11,972	11,972
07-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-78,450	-78,450
07-Jan-19	BlackRock Capital Management, Inc.	collateral transfer	n/a	AUD	ORD	149	149
07-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-26	-26
07-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	20	20
07-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	43,765	43,765
07-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	719	719
07-Jan-19	BlackRock Financial Management, Inc.	in specie	n/a	AUD	ORD	-40,154	-40,154
07-Jan-19	BlackRock Financial Management, Inc.	in specie	n/a	AUD	ORD	-1,704	-1,704
08-Jan-19	BlackRock Fund Advisors	on mkt buy	78.83	AUD	ORD	645	645
08-Jan-19	BlackRock Japan Co., Ltd.	on mkt sell	79.43	AUD	ORD	-2,340	-2,340
08-Jan-19	BlackRock Japan Co., Ltd.	on mkt sell	79.43	AUD	ORD	-1,330	-1,330
08-Jan-19	BlackRock Japan Co., Ltd.	on mkt sell	79.43	AUD	ORD	-860	-860
08-Jan-19	BlackRock Investment Management, LLC	on mkt sell	79.43	AUD	ORD	-601	-601
08-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell	79.43	AUD	ORD	-543	-543
08-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.43	AUD	ORD	-2,925	-2,925
08-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell	79.43	AUD	ORD	-1,937	-1,937
08-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.43	AUD	ORD	-214	-214
08-Jan-19	BlackRock International Limited	on mkt sell	79.46	AUD	ORD	-461	-461
08-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.28	AUD	ORD	-41	-41
08-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	79.30	AUD	ORD	-2,128	-2,128
08-Jan-19	BlackRock Asset Management Canada Limited	on mkt sell	79.30	AUD	ORD	-4,468	-4,468
08-Jan-19	BlackRock Fund Advisors	on mkt sell	79.30	AUD	ORD	-7,048	-7,048
08-Jan-19	BlackRock Asset Management Canada Limited	on mkt sell	79.30	AUD	ORD	-107	-107
08-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,881	1,881
08-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,274	1,274
08-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,704	2,704
08-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	985	985
08-Jan-19	BlackRock Capital Management, Inc.	collateral transfer	n/a	AUD	ORD	2	2
08-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	34	34
08-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-39	-39
08-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	77	77
08-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-74	-74

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		
09-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell	79.41	AUD	ORD	-790	-790
09-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.98	AUD	ORD	-209	-209
09-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	80.17	AUD	ORD	-24,065	-24,065
09-Jan-19	BlackRock Investment Management (UK) Limited	on mkt buy	80.02	AUD	ORD	14,708	14,708
09-Jan-19	BlackRock Investment Management (UK) Limited	on mkt buy	80.02	AUD	ORD	1,925	1,925
09-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	80.22	AUD	ORD	1,245	1,245
09-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.99	AUD	ORD	-44	-44
09-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	80.23	AUD	ORD	4,515	4,515
09-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	80.23	AUD	ORD	1,123	1,123
09-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	80.23	AUD	ORD	1,126	1,126
09-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.02	AUD	ORD	840	840
09-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.02	AUD	ORD	588	588
09-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	80.02	AUD	ORD	-266	-266
09-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.02	AUD	ORD	1,290	1,290
09-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	80.02	AUD	ORD	936	936
09-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	416	416
09-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	416	416
09-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	832	832
09-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	23,504	23,504
09-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-5,848	-5,848
09-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-5,848	-5,848
09-Jan-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	41	41
09-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-17,703	-17,703
09-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	29,879	29,879
09-Jan-19	BlackRock Capital Management, Inc.	collateral transfer	n/a	AUD	ORD	-151	-151
09-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-186	-186
09-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	832	832
09-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-43,084	-43,084
09-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-278	-278
10-Jan-19	BlackRock Fund Advisors	on mkt sell	80.25	AUD	ORD	-1,141	-1,141
10-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.13	AUD	ORD	1,290	1,290
10-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.13	AUD	ORD	294	294
10-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.13	AUD	ORD	147	147
10-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.02	AUD	ORD	1,592	1,592
10-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	80.13	AUD	ORD	-506	-506
10-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.13	AUD	ORD	224	224
10-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,388	1,388
10-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,040	1,040
10-Jan-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	-41	-41
10-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-1,102	-1,102
10-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-3,238	-3,238
10-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-5,974	-5,974
10-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-1,045	-1,045
10-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-368	-368
11-Jan-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	33,443	33,443
11-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.65	AUD	ORD	796	796
11-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.65	AUD	ORD	807	807
11-Jan-19	BlackRock Investment Management, LLC	on mkt sell	79.65	AUD	ORD	-1,358	-1,358
11-Jan-19	BlackRock Investment Management, LLC	on mkt buy	79.65	AUD	ORD	1,185	1,185
11-Jan-19	BlackRock Investment Management (UK) Limited	on mkt buy	79.65	AUD	ORD	2,859	2,859

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
11-Jan-19	BlackRock Asset Management Canada Limited	on mkt sell	79.65	AUD	ORD	-437	-437
11-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	79.65	AUD	ORD	2,772	2,772
11-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	79.65	AUD	ORD	1,229	1,229
11-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	79.46	AUD	ORD	269	269
11-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	690	690
11-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,184	-4,184
11-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,520	-1,520
11-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,210	3,210
11-Jan-19	BlackRock Investment Management, LLC	in specie	n/a	AUD	ORD	-7,385	-7,385
11-Jan-19	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-1,578	-1,578
11-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	1,800	1,800
11-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-10	-10
11-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	5	5
11-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	5	5
14-Jan-19	BlackRock Advisors, LLC	on mkt sell	79.36	AUD	ORD	-314	-314
14-Jan-19	BlackRock Financial Management, Inc.	on mkt sell	79.36	AUD	ORD	-1,223	-1,223
14-Jan-19	BlackRock Financial Management, Inc.	on mkt sell	79.36	AUD	ORD	-558	-558
14-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.36	AUD	ORD	-6,493	-6,493
14-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.36	AUD	ORD	-223	-223
14-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	79.36	AUD	ORD	-641	-641
14-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	79.36	AUD	ORD	-537	-537
14-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.36	AUD	ORD	-854	-854
14-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.40	AUD	ORD	645	645
14-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.40	AUD	ORD	266	266
14-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.40	AUD	ORD	2,926	2,926
14-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	79.40	AUD	ORD	8,680	8,680
14-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.40	AUD	ORD	-7,361	-7,361
14-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,088	-2,088
14-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,184	-4,184
14-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,952	-3,952
14-Jan-19	BlackRock Advisors, LLC	on mkt sell	79.40	AUD	ORD	-184	-184
14-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-469	-469
14-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-1,800	-1,800
14-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	1	1
14-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	5	5
14-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-6	-6
15-Jan-19	BlackRock Fund Advisors	on mkt sell	78.90	AUD	ORD	-10,712	-10,712
15-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.60	AUD	ORD	796	796
15-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.00	AUD	ORD	266	266
15-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.00	AUD	ORD	291	291
15-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,740	-1,740
15-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,872	-4,872
15-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,529	-1,529
15-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-973	-973
15-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-9,882	-9,882
15-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-6,276	-6,276
15-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,740	-1,740
15-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-14,644	-14,644
15-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-973	-973
15-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	242,454	242,454
15-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-279	-279
15-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	260	260

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
15-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	10,524	10,524
16-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.54	AUD	ORD	-38,999	-38,999
16-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.54	AUD	ORD	-1,963	-1,963
16-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.54	AUD	ORD	-4,105	-4,105
16-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	79.53	AUD	ORD	1,131	1,131
16-Jan-19	BlackRock Japan Co., Ltd.	on mkt sell	79.56	AUD	ORD	-588	-588
16-Jan-19	BlackRock Japan Co., Ltd.	on mkt sell	79.56	AUD	ORD	-339	-339
16-Jan-19	BlackRock Japan Co., Ltd.	on mkt sell	79.56	AUD	ORD	-258	-258
16-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.56	AUD	ORD	-1,685	-1,685
16-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell	79.56	AUD	ORD	-295	-295
16-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.64	AUD	ORD	110	110
16-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	79.64	AUD	ORD	-646	-646
16-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	79.64	AUD	ORD	15,180	15,180
16-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	79.64	AUD	ORD	1,306	1,306
16-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,044	-1,044
16-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,384	4,384
16-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,184	-4,184
16-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,040	1,040
16-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,122	-2,122
16-Jan-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-11,783	-11,783
16-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	10,494	10,494
16-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-242,454	-242,454
16-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	8	8
16-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-10	-10
16-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	309,669	309,669
17-Jan-19	BlackRock Asset Management Canada Limited	in specie	n/a	AUD	ORD	2,616	2,616
17-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	80.43	AUD	ORD	-4,733	-4,733
17-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.47	AUD	ORD	3,980	3,980
17-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.40	AUD	ORD	1,292	1,292
17-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.40	AUD	ORD	2,988	2,988
17-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	80.40	AUD	ORD	-267	-267
17-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.40	AUD	ORD	291	291
17-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.40	AUD	ORD	1,810	1,810
17-Jan-19	BlackRock Japan Co., Ltd.	on mkt buy	80.40	AUD	ORD	466	466
17-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.40	AUD	ORD	-370	-370
17-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,174	-3,174
17-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,092	1,092
17-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,960	-10,960
17-Jan-19	BlackRock Asset Management Canada Limited	on mkt sell	80.40	AUD	ORD	-107	-107
17-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	208	208
17-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	591	591
17-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-10,494	-10,494
17-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-29,751	-29,751
17-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-232	-232
17-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	212	212
17-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-320,152	-320,152
18-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	80.75	AUD	ORD	248	248
18-Jan-19	BlackRock Advisors, LLC	on mkt sell	80.70	AUD	ORD	-786	-786
18-Jan-19	BlackRock Investment Management, LLC	on mkt sell	80.70	AUD	ORD	-324	-324
18-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell	80.70	AUD	ORD	-477	-477

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-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.70	AUD	ORD	-10,039	-10,039
18-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.70	AUD	ORD	-608	-608
18-Jan-19	BlackRock Advisors, LLC	on mkt sell	80.70	AUD	ORD	-235	-235
18-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.70	AUD	ORD	-1,900	-1,900
18-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.70	AUD	ORD	-653	-653
18-Jan-19	BlackRock Asset Management Canada Limited	on mkt sell	80.70	AUD	ORD	-306	-306
18-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.70	AUD	ORD	-2,372	-2,372
18-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.65	AUD	ORD	195	195
18-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	80.65	AUD	ORD	9,625	9,625
18-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	80.65	AUD	ORD	116	116
18-Jan-19	BlackRock Investment Management, LLC	on mkt sell	80.65	AUD	ORD	-8,202	-8,202
18-Jan-19	BlackRock Asset Management Canada Limited	on mkt sell	80.65	AUD	ORD	-1,841	-1,841
18-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,044	-1,044
18-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,740	-1,740
18-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-12,016	-12,016
18-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	642	642
18-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	48	48
18-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	26	26
18-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-22	-22
18-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-4	-4
21-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.51	AUD	ORD	2,421	2,421
21-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	80.51	AUD	ORD	-6,206	-6,206
21-Jan-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	5	5
21-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	96	96
21-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-180	-180
21-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-3,258	-3,258
21-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-4,845	-4,845
21-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	366	366
21-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	36	36
22-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell	79.85	AUD	ORD	-7,023	-7,023
22-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.01	AUD	ORD	1,292	1,292
22-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.01	AUD	ORD	150	150
22-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.01	AUD	ORD	796	796
22-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.01	AUD	ORD	147	147
22-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	80.01	AUD	ORD	8,052	8,052
22-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	80.01	AUD	ORD	459	459
22-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,484	-2,484
22-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,914	-1,914
22-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,251	-1,251
22-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,183	-3,183
22-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	5	5
22-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-17	-17
22-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	16	16
22-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	15	15
22-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-18	-18
23-Jan-19	BlackRock Advisors, LLC	on mkt sell	79.63	AUD	ORD	-3,790	-3,790
23-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.63	AUD	ORD	-168	-168
23-Jan-19	BlackRock Advisors, LLC	on mkt sell	79.63	AUD	ORD	-16	-16

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
23-Jan-19	BlackRock Advisors, LLC	on mkt sell	79.63	AUD	ORD	-850	-850
23-Jan-19	BlackRock Investment Management, LLC	on mkt sell	79.63	AUD	ORD	-31	-31
23-Jan-19	BlackRock Investment Management, LLC	on mkt sell	79.63	AUD	ORD	-326	-326
23-Jan-19	BlackRock Investment Management, LLC	on mkt sell	79.63	AUD	ORD	-45	-45
23-Jan-19	BlackRock Investment Management, LLC	on mkt sell	79.63	AUD	ORD	-1,535	-1,535
23-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.63	AUD	ORD	-61	-61
23-Jan-19	BlackRock Investment Management, LLC	on mkt sell	79.63	AUD	ORD	-91	-91
23-Jan-19	BlackRock Investment Management, LLC	on mkt sell	79.63	AUD	ORD	-151	-151
23-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell	79.28	AUD	ORD	-2,016	-2,016
23-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	79.55	AUD	ORD	394	394
23-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.55	AUD	ORD	-2,933	-2,933
23-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.55	AUD	ORD	-1,603	-1,603
23-Jan-19	BlackRock Japan Co., Ltd.	on mkt sell	79.53	AUD	ORD	-812	-812
23-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.53	AUD	ORD	-5,184	-5,184
23-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.55	AUD	ORD	-16,815	-16,815
23-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.55	AUD	ORD	-9,839	-9,839
23-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.55	AUD	ORD	-7,668	-7,668
23-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.55	AUD	ORD	-18,975	-18,975
23-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	79.55	AUD	ORD	-642	-642
23-Jan-19	BlackRock Japan Co., Ltd.	on mkt sell	79.53	AUD	ORD	-467	-467
23-Jan-19	BlackRock Japan Co., Ltd.	on mkt sell	79.53	AUD	ORD	-384	-384
23-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.56	AUD	ORD	-241	-241
23-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.56	AUD	ORD	-236	-236
23-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.56	AUD	ORD	-210	-210
23-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.60	AUD	ORD	150	150
23-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	79.60	AUD	ORD	2,069	2,069
23-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.60	AUD	ORD	8,009	8,009
23-Jan-19	BlackRock Investment Management (UK) Limited	on mkt buy	79.60	AUD	ORD	7,454	7,454
23-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	79.60	AUD	ORD	-1,350	-1,350
23-Jan-19	BlackRock Investment Management, LLC	on mkt buy	79.60	AUD	ORD	1,022	1,022
23-Jan-19	BlackRock Asset Management Canada Limited	on mkt buy	79.60	AUD	ORD	102	102
23-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.60	AUD	ORD	-4,202	-4,202
23-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	79.60	AUD	ORD	168	168
23-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,784	-2,784
23-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,740	-1,740
23-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-973	-973
23-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,390	-1,390
23-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	624	624
23-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,122	-2,122
23-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,494	4,494
23-Jan-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	-3	-3
23-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-2	-2
23-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	392,055	392,055
23-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	9	9
23-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-8	-8

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
23-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-14	-14
23-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	18	18
23-Jan-19	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-24,727	-24,727
24-Jan-19	BlackRock Investment Management (UK) Limited	on mkt buy	79.12	AUD	ORD	1,336	1,336
24-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell	79.22	AUD	ORD	-2,373	-2,373
24-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.60	AUD	ORD	796	796
24-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	79.60	AUD	ORD	798	798
24-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	79.60	AUD	ORD	-645	-645
24-Jan-19	BlackRock Fund Advisors	on mkt buy	79.60	AUD	ORD	17,300	17,300
24-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	79.60	AUD	ORD	-3,497	-3,497
24-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,197	-1,197
24-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,932	-4,932
24-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,466	-2,466
24-Jan-19	BlackRock Asset Management Canada Limited	on mkt sell	79.60	AUD	ORD	-167	-167
24-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-500	-500
24-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-268	-268
24-Jan-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	2,615	2,615
24-Jan-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	261	261
24-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	2,304	2,304
24-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-19,900	-19,900
24-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	1,165	1,165
24-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	2,859	2,859
24-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	19,120	19,120
24-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	378	378
25-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.35	AUD	ORD	-6,544	-6,544
25-Jan-19	BlackRock Advisors, LLC	on mkt sell	80.35	AUD	ORD	-1,192	-1,192
25-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.35	AUD	ORD	-1,630	-1,630
25-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.35	AUD	ORD	-508	-508
25-Jan-19	BlackRock Asset Management Canada Limited	on mkt sell	80.35	AUD	ORD	-577	-577
25-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.35	AUD	ORD	-931	-931
25-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	80.35	AUD	ORD	-354	-354
25-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	80.47	AUD	ORD	2,550	2,550
25-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	80.47	AUD	ORD	1,364	1,364
25-Jan-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	232	232
25-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	448	448
25-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-5,479	-5,479
25-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-1,195	-1,195
25-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	1,606	1,606
25-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	4,125	4,125
25-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	73	73
28-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,044	-1,044
28-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-695	-695
28-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,494	4,494
28-Jan-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	5	5
28-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-55	-55
28-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-182,396	-182,396
28-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-316	-316
28-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	400	400

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
28-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-15	-15
28-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-17	-17
29-Jan-19	BlackRock Investment Management (UK) Limited	on mkt sell	82.18	AUD	ORD	-367	-367
29-Jan-19	BlackRock Financial Management, Inc.	on mkt sell	82.18	AUD	ORD	-8,016	-8,016
29-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	83.25	AUD	ORD	445	445
29-Jan-19	BlackRock Investment Management (UK) Limited	on mkt buy	83.41	AUD	ORD	481	481
29-Jan-19	BlackRock Advisors, LLC	on mkt sell	82.18	AUD	ORD	-2,443	-2,443
29-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	82.18	AUD	ORD	-150	-150
29-Jan-19	BlackRock Advisors, LLC	on mkt sell	82.18	AUD	ORD	-15	-15
29-Jan-19	BlackRock Advisors, LLC	on mkt sell	82.18	AUD	ORD	-775	-775
29-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	83.41	AUD	ORD	3,187	3,187
29-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	83.41	AUD	ORD	814	814
29-Jan-19	BlackRock Investment Management, LLC	on mkt sell	82.18	AUD	ORD	-31	-31
29-Jan-19	BlackRock Investment Management, LLC	on mkt sell	82.18	AUD	ORD	-301	-301
29-Jan-19	BlackRock Investment Management, LLC	on mkt sell	82.18	AUD	ORD	-45	-45
29-Jan-19	BlackRock Investment Management, LLC	on mkt sell	82.18	AUD	ORD	-581	-581
29-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	82.18	AUD	ORD	-48	-48
29-Jan-19	BlackRock Investment Management, LLC	on mkt sell	82.18	AUD	ORD	-87	-87
29-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	83.41	AUD	ORD	3,312	3,312
29-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	83.41	AUD	ORD	355	355
29-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	83.41	AUD	ORD	686	686
29-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	83.41	AUD	ORD	2,312	2,312
29-Jan-19	BlackRock Investment Management (UK) Limited	on mkt buy	83.41	AUD	ORD	368	368
29-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	83.41	AUD	ORD	935	935
29-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	83.41	AUD	ORD	735	735
29-Jan-19	BlackRock Investment Management, LLC	on mkt sell	82.18	AUD	ORD	-135	-135
29-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	83.41	AUD	ORD	1,737	1,737
29-Jan-19	BlackRock Japan Co., Ltd.	on mkt buy	83.26	AUD	ORD	1,611	1,611
29-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	83.53	AUD	ORD	6,800	6,800
29-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	83.53	AUD	ORD	2,592	2,592
29-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	83.53	AUD	ORD	-648	-648
29-Jan-19	BlackRock Investment Management, LLC	on mkt buy	83.53	AUD	ORD	619	619
29-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt sell	83.53	AUD	ORD	-7,063	-7,063
29-Jan-19	BlackRock Asset Management Canada Limited	on mkt buy	83.53	AUD	ORD	79	79
29-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	83.53	AUD	ORD	15,615	15,615
29-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	83.53	AUD	ORD	1,155	1,155
29-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,881	-1,881
29-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,380	-1,380
29-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,740	-1,740
29-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,914	-1,914
29-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-695	-695
29-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,112	-1,112
29-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,040	1,040
29-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-627	-627

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
29-Jan-19	BlackRock Investment Management, LLC	on mkt sell	82.18	AUD	ORD	-727	-727
29-Jan-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	-384	-384
29-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-2,287	-2,287
29-Jan-19	BlackRock (Singapore) Limited	collateral transfer	n/a	AUD	ORD	1,667	1,667
29-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-57,932	-57,932
29-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-4,752	-4,752
29-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-949	-949
29-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-18,040	-18,040
29-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-381	-381
30-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	87.10	AUD	ORD	30,733	30,733
30-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	87.10	AUD	ORD	14,164	14,164
30-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	87.10	AUD	ORD	8,773	8,773
30-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	87.10	AUD	ORD	25,289	25,289
30-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	87.10	AUD	ORD	53,448	53,448
30-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	87.10	AUD	ORD	214	214
30-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,104	-1,104
30-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-522	-522
30-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-684	-684
30-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,834	5,834
30-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	985	985
30-Jan-19	BlackRock Advisors, LLC	collateral transfer	n/a	AUD	ORD	-117	-117
30-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	85,846	85,846
30-Jan-19	BlackRock (Singapore) Limited	collateral transfer	n/a	AUD	ORD	-1,667	-1,667
30-Jan-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-12,318	-12,318
30-Jan-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-31,906	-31,906
30-Jan-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-8,387	-8,387
30-Jan-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-87	-87
31-Jan-19	BlackRock Fund Advisors	on mkt buy	88.39	AUD	ORD	1,320	1,320
31-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	87.96	AUD	ORD	10,073	10,073
31-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	87.74	AUD	ORD	2,014	2,014
31-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	87.74	AUD	ORD	509	509
31-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	87.74	AUD	ORD	627	627
31-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	87.74	AUD	ORD	1,100	1,100
31-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	87.74	AUD	ORD	1,651	1,651
31-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	87.74	AUD	ORD	2,346	2,346
31-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	87.74	AUD	ORD	1,821	1,821
31-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt buy	87.74	AUD	ORD	3,658	3,658
31-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	87.61	AUD	ORD	648	648
31-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	87.05	AUD	ORD	294	294
31-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	87.05	AUD	ORD	-6,979	-6,979
31-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	87.05	AUD	ORD	-3,224	-3,224
31-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	87.05	AUD	ORD	194	194
31-Jan-19	BlackRock Financial Management, Inc.	on mkt sell	87.05	AUD	ORD	-540	-540
31-Jan-19	BlackRock Investment Management (UK) Limited	on mkt buy	87.05	AUD	ORD	2,921	2,921
31-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	87.05	AUD	ORD	30	30

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		
31-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	87.05	AUD	ORD	-2,942	-2,942
31-Jan-19	BlackRock Investment Management (Australia) Limited	on mkt buy	87.05	AUD	ORD	2,343	2,343
31-Jan-19	BlackRock Advisors (UK) Limited	on mkt buy	87.05	AUD	ORD	581	581
31-Jan-19	BlackRock Advisors (UK) Limited	on mkt sell	87.05	AUD	ORD	-894	-894
31-Jan-19	BlackRock Institutional Trust Company, National Association	on mkt sell	87.05	AUD	ORD	-2,743	-2,743
31-Jan-19	BlackRock Investment Management (UK) Limited	on mkt buy	87.05	AUD	ORD	9,586	9,586
31-Jan-19	BlackRock Financial Management, Inc.	on mkt buy	87.05	AUD	ORD	2,399	2,399
31-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-1,392	-1,392
31-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-834	-834
31-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-116	-116
31-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,834	5,834
31-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,224	-4,224
31-Jan-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,420	6,420
31-Jan-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-6,974	-6,974
31-Jan-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	6,974	6,974
31-Jan-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	5,497	5,497
31-Jan-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	-5,497	-5,497
31-Jan-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-64,275	-64,275
31-Jan-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	15,232	15,232
01-Feb-19	BlackRock Fund Advisors	on mkt buy	87.99	AUD	ORD	1,036	1,036
01-Feb-19	BlackRock Fund Advisors	on mkt buy	87.99	AUD	ORD	995	995
01-Feb-19	BlackRock Fund Advisors	on mkt buy	87.99	AUD	ORD	568	568
01-Feb-19	BlackRock Fund Advisors	on mkt buy	87.99	AUD	ORD	100	100
01-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt sell	87.57	AUD	ORD	-2,795	-2,795
01-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	87.57	AUD	ORD	1,503	1,503
01-Feb-19	BlackRock (Netherlands) B.V.	on mkt buy	87.57	AUD	ORD	205	205
01-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	87.57	AUD	ORD	1,881	1,881
01-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt sell	87.57	AUD	ORD	-2,425	-2,425
01-Feb-19	BlackRock Fund Advisors	on mkt buy	87.57	AUD	ORD	1,434	1,434
01-Feb-19	BlackRock Investment Management (UK) Limited	on mkt sell	87.57	AUD	ORD	-1,984	-1,984
01-Feb-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-2,122	-2,122
01-Feb-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-7,020	-7,020
01-Feb-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	36,261	36,261
01-Feb-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	445	445
01-Feb-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	71,821	71,821
01-Feb-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	86,939	86,939
01-Feb-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	9,555	9,555
04-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	86.56	AUD	ORD	200	200
04-Feb-19	BlackRock Investment Management (UK) Limited	on mkt sell	87.01	AUD	ORD	-1,743	-1,743
04-Feb-19	BlackRock Investment Management (UK) Limited	on mkt sell	86.64	AUD	ORD	-19,924	-19,924
04-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy	86.67	AUD	ORD	706	706
04-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	86.67	AUD	ORD	218	218
04-Feb-19	BlackRock Advisors (UK) Limited	on mkt sell	86.67	AUD	ORD	-645	-645
04-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	86.67	AUD	ORD	388	388
04-Feb-19	BlackRock Advisors, LLC	on mkt sell	86.67	AUD	ORD	-158	-158
04-Feb-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,560	-10,560
04-Feb-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-5,305	-5,305
04-Feb-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,852	3,852
04-Feb-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	4	4
04-Feb-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	43,517	43,517
04-Feb-19	BlackRock Capital Management, Inc.	collateral transfer	n/a	AUD	ORD	68	68

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
04-Feb-19	BlackRock Financial Management, Inc.	collateral transfer	n/a	AUD	ORD	-445	-445
04-Feb-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	-71,821	-71,821
04-Feb-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-34,461	-34,461
04-Feb-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-8,708	-8,708
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	6,347	6,347
05-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	89.25	AUD	ORD	269	269
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	164	164
05-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	89.25	AUD	ORD	170	170
05-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy	89.13	AUD	ORD	10,607	10,607
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	280	280
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	184	184
05-Feb-19	BlackRock Advisors, LLC	on mkt buy	89.25	AUD	ORD	199	199
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.25	AUD	ORD	2,051	2,051
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.25	AUD	ORD	619	619
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	452	452
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	1,850	1,850
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	151	151
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.25	AUD	ORD	418	418
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	518	518
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	339	339
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	1,603	1,603
05-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	89.25	AUD	ORD	231	231
05-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	89.25	AUD	ORD	1,027	1,027
05-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	89.25	AUD	ORD	793	793
05-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	89.25	AUD	ORD	1,321	1,321
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.25	AUD	ORD	151	151
05-Feb-19	BlackRock Asset Management Canada Limited	on mkt buy	89.25	AUD	ORD	329	329
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	338	338
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	2,815	2,815
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.24	AUD	ORD	310	310
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	72	72
05-Feb-19	BlackRock Investment Management, LLC	on mkt buy	89.25	AUD	ORD	48	48
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	63	63
05-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	89.25	AUD	ORD	58	58
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	109	109
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	89	89
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	90	90
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	142	142
05-Feb-19	BlackRock Advisors, LLC	on mkt buy	89.25	AUD	ORD	83	83
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.25	AUD	ORD	104	104
05-Feb-19	BlackRock Asset Management Canada Limited	on mkt buy	89.25	AUD	ORD	89	89
05-Feb-19	BlackRock Investment Management, LLC	on mkt buy	89.25	AUD	ORD	98	98
05-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	89.25	AUD	ORD	114	114

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	
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	35	35
05-Feb-19	BlackRock Advisors, LLC	on mkt buy	89.25	AUD	ORD	62	62
05-Feb-19	BlackRock Investment Management, LLC	on mkt buy	89.25	AUD	ORD	130	130
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	75	75
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	32	32
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.26	AUD	ORD	822	822
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.26	AUD	ORD	1,068	1,068
05-Feb-19	BlackRock International Limited	on mkt buy	89.26	AUD	ORD	546	546
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.13	AUD	ORD	67	67
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt sell	89.26	AUD	ORD	-508	-508
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	76	76
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	189	189
05-Feb-19	BlackRock Investment Management, LLC	on mkt buy	89.25	AUD	ORD	125	125
05-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	89.25	AUD	ORD	723	723
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	167	167
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	439	439
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	85	85
05-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	89.25	AUD	ORD	453	453
05-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	89.25	AUD	ORD	151	151
05-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy	89.25	AUD	ORD	12,116	12,116
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	291	291
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	751	751
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	238	238
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	239	239
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	377	377
05-Feb-19	BlackRock Japan Co., Ltd.	on mkt buy	89.25	AUD	ORD	490	490
05-Feb-19	BlackRock Advisors, LLC	on mkt buy	89.25	AUD	ORD	532	532
05-Feb-19	BlackRock Advisors, LLC	on mkt buy	89.25	AUD	ORD	219	219
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.25	AUD	ORD	277	277
05-Feb-19	BlackRock Asset Management Canada Limited	on mkt buy	89.25	AUD	ORD	235	235
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.25	AUD	ORD	5,500	5,500
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.25	AUD	ORD	1,661	1,661
05-Feb-19	BlackRock Investment Management, LLC	on mkt buy	89.25	AUD	ORD	261	261
05-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	89.25	AUD	ORD	302	302
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	1,211	1,211
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	4,960	4,960
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	93	93
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	405	405
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.25	AUD	ORD	1,124	1,124
05-Feb-19	BlackRock Advisors, LLC	on mkt buy	89.25	AUD	ORD	167	167
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	1,390	1,390
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	911	911
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	4,296	4,296

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
05-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	89.25	AUD	ORD	620	620
05-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	89.25	AUD	ORD	2,752	2,752
05-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	89.25	AUD	ORD	2,128	2,128
05-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	89.25	AUD	ORD	3,542	3,542
05-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	89.25	AUD	ORD	402	402
05-Feb-19	BlackRock Investment Management, LLC	on mkt buy	89.25	AUD	ORD	344	344
05-Feb-19	BlackRock Asset Management Canada Limited	on mkt buy	89.25	AUD	ORD	884	884
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	199	199
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	907	907
05-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.25	AUD	ORD	7,553	7,553
05-Feb-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-201	-201
05-Feb-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	35,286	35,286
05-Feb-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	35,678	35,678
05-Feb-19	BlackRock Capital Management, Inc.	collateral transfer	n/a	AUD	ORD	-68	-68
05-Feb-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	49	49
05-Feb-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	19	19
05-Feb-19	BlackRock Financial Management, Inc.	in specie	n/a	AUD	ORD	-241	-241
06-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	89.54	AUD	ORD	461	461
06-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.16	AUD	ORD	19	19
06-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	89.14	AUD	ORD	9	9
06-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	90.72	AUD	ORD	17,571	17,571
06-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy	90.72	AUD	ORD	21,131	21,131
06-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy	90.72	AUD	ORD	32,893	32,893
06-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy	90.72	AUD	ORD	9,179	9,179
06-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy	90.72	AUD	ORD	62,800	62,800
06-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy	90.72	AUD	ORD	64,716	64,716
06-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	90.69	AUD	ORD	1,380	1,380
06-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	90.72	AUD	ORD	100	100
06-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	90.72	AUD	ORD	47	47
06-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy	90.98	AUD	ORD	156	156
06-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	90.98	AUD	ORD	267	267
06-Feb-19	BlackRock Advisors (UK) Limited	on mkt sell	90.98	AUD	ORD	-59	-59
06-Feb-19	BlackRock Asset Management Canada Limited	on mkt buy	90.98	AUD	ORD	63	63
06-Feb-19	BlackRock Advisors (UK) Limited	on mkt sell	90.98	AUD	ORD	-19	-19
06-Feb-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-3,024	-3,024
06-Feb-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-201	-201
06-Feb-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,304	3,304
06-Feb-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	9,912	9,912
06-Feb-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,608	6,608
06-Feb-19	BlackRock Japan Co., Ltd.	collateral transfer	n/a	AUD	ORD	-33,651	-33,651
06-Feb-19	BlackRock Advisors (UK) Limited	collateral transfer	n/a	AUD	ORD	-187,244	-187,244
06-Feb-19	BlackRock Investment Management, LLC	collateral transfer	n/a	AUD	ORD	1,681	1,681
06-Feb-19	BlackRock Investment Management (UK) Limited	collateral transfer	n/a	AUD	ORD	-49,207	-49,207
06-Feb-19	BlackRock Asset Management North Asia Limited	collateral transfer	n/a	AUD	ORD	-866	-866
07-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt sell	92.33	AUD	ORD	-1,074	-1,074

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
07-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt sell	AUD	ORD -888	-888
07-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	AUD	ORD 1,803	1,803
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 3,627	3,627
07-Feb-19	BlackRock International Limited	on mkt buy	AUD	ORD 2,949	2,949
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 6	6
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 5	5
07-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	AUD	ORD 14	14
07-Feb-19	BlackRock Advisors, LLC	on mkt buy	AUD	ORD 11	11
07-Feb-19	BlackRock Advisors, LLC	on mkt buy	AUD	ORD 9	9
07-Feb-19	BlackRock Asset Management Canada Limited	on mkt buy	AUD	ORD 6	6
07-Feb-19	BlackRock Investment Management, LLC	on mkt buy	AUD	ORD 4	4
07-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	AUD	ORD 4	4
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 12	12
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 30	30
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 3	3
07-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	AUD	ORD 19	19
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 26	26
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 8	8
07-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	AUD	ORD 29	29
07-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	AUD	ORD 23	23
07-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	AUD	ORD 4	4
07-Feb-19	BlackRock Asset Management Canada Limited	on mkt buy	AUD	ORD 8	8
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 3	3
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 41	41
07-Feb-19	BlackRock Advisors, LLC	on mkt buy	AUD	ORD 2	2
07-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy	AUD	ORD 2	2
07-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	AUD	ORD 2	2
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 7	7
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 1,196	1,196
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 1,042	1,042
07-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy	AUD	ORD 2,582	2,582
07-Feb-19	BlackRock Advisors, LLC	on mkt buy	AUD	ORD 2,106	2,106
07-Feb-19	BlackRock Advisors, LLC	on mkt buy	AUD	ORD 1,751	1,751
07-Feb-19	BlackRock Asset Management Canada Limited	on mkt buy	AUD	ORD 1,144	1,144
07-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	AUD	ORD 7,336	7,336
07-Feb-19	BlackRock Financial Management, Inc.	on mkt buy	AUD	ORD 2,315	2,315
07-Feb-19	BlackRock Investment Management, LLC	on mkt buy	AUD	ORD 733	733
07-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy	AUD	ORD 837	837
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 2,220	2,220
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 5,628	5,628
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy	AUD	ORD 668	668

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
07-Feb-19	BlackRock Financial Management, Inc.	on mkt buy 92.33	AUD	ORD 3,537	3,537
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy 92.33	AUD	ORD 5,029	5,029
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy 92.33	AUD	ORD 1,587	1,587
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy 92.33	AUD	ORD 6,198	6,198
07-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy 92.33	AUD	ORD 5,605	5,605
07-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy 92.33	AUD	ORD 4,362	4,362
07-Feb-19	BlackRock Financial Management, Inc.	on mkt buy 92.33	AUD	ORD 791	791
07-Feb-19	BlackRock Asset Management Canada Limited	on mkt buy 92.33	AUD	ORD 1,524	1,524
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy 92.33	AUD	ORD 643	643
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy 92.33	AUD	ORD 7,621	7,621
07-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy 92.33	AUD	ORD 435	435
07-Feb-19	BlackRock Advisors, LLC	on mkt buy 92.33	AUD	ORD 463	463
07-Feb-19	BlackRock Financial Management, Inc.	on mkt buy 92.33	AUD	ORD 385	385
07-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy 92.33	AUD	ORD 27	27
07-Feb-19	BlackRock Investment Management (Australia) Limited	on mkt buy 92.20	AUD	ORD 156	156
07-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy 92.20	AUD	ORD 1,294	1,294
07-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy 92.20	AUD	ORD 139	139
07-Feb-19	BlackRock Advisors (UK) Limited	on mkt sell 92.20	AUD	ORD -648	-648
07-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy 92.20	AUD	ORD 266	266
07-Feb-19	BlackRock Advisors, LLC	on mkt sell 92.20	AUD	ORD -6,408	-6,408
07-Feb-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 9,912	9,912
07-Feb-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD -254	-254
07-Feb-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 624	624
07-Feb-19	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD -51,437	-51,437
07-Feb-19	BlackRock Investment Management, LLC	collateral transfer n/a	AUD	ORD -1,681	-1,681
07-Feb-19	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD -3,319	-3,319
08-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy 90.46	AUD	ORD 184	184
08-Feb-19	BlackRock Advisors (UK) Limited	on mkt sell 90.57	AUD	ORD -139	-139
08-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy 90.57	AUD	ORD 266	266
08-Feb-19	BlackRock Asset Management Canada Limited	on mkt sell 90.57	AUD	ORD -455	-455
08-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy 90.57	AUD	ORD 170	170
08-Feb-19	BlackRock Advisors (UK) Limited	on mkt sell 90.57	AUD	ORD -987	-987
08-Feb-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD 3,210	3,210
11-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy 92.02	AUD	ORD 744	744
11-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy 92.20	AUD	ORD 2,592	2,592
11-Feb-19	BlackRock Investment Management (UK) Limited	on mkt buy 92.20	AUD	ORD 19,965	19,965
11-Feb-19	BlackRock Advisors (UK) Limited	on mkt buy 92.20	AUD	ORD 9,328	9,328
11-Feb-19	BlackRock Institutional Trust Company, National Association	on mkt buy 92.20	AUD	ORD 2,893	2,893
11-Feb-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD -10,584	-10,584
11-Feb-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD -2,085	-2,085
11-Feb-19	BlackRock Fund Advisors	in specie n/a	AUD	ORD -1,946	-1,946
11-Feb-19	BlackRock Japan Co., Ltd.	collateral transfer n/a	AUD	ORD -16,699	-16,699
11-Feb-19	BlackRock Advisors (UK) Limited	collateral transfer n/a	AUD	ORD 160,389	160,389
11-Feb-19	BlackRock Financial Management, Inc.	collateral transfer n/a	AUD	ORD 322	322
11-Feb-19	BlackRock Investment Management (UK) Limited	collateral transfer n/a	AUD	ORD 12,513	12,513

13-Feb-19

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 18,574	18,574	Subsidiary of BlackRock, Inc.
BlackRock (Netherlands) B.V.	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 4,966	4,966	Subsidiary of BlackRock, Inc.
BlackRock (Netherlands) B.V.	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 49,764	49,764	Subsidiary of BlackRock, Inc.
BlackRock (Singapore) Limited	BNP Paribas Securities Services 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 5,115	5,115	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 3,006	3,006	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 622,214	622,214	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	JPM - J.P. Morgan 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 31,182	31,182	Subsidiary of BlackRock, Inc.
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 434,503	434,503	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	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 89,731	89,731	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 1,082,096	1,082,096	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 8,461	8,461	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 36,120	36,120	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 31,195	31,195	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 5,008	5,008	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 230,113	230,113	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 52,893	52,893	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 571	571	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	RBC-ROYAL 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 11,894	11,894	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 75,797	75,797	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 241,703	241,703	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 1,330	1,330	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 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 1,651	1,651	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 438	438	Subsidiary of BlackRock, Inc.
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 10,759	10,759	Subsidiary of BlackRock, Inc.
BlackRock Financial Management, Inc.	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 322	322	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 78,836	78,836	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 14,296	14,296	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 54,505	54,505	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 310	310	Subsidiary of BlackRock, Inc.
BlackRock Financial Management, Inc.	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 73,801	73,801	Subsidiary of BlackRock, Inc.
BlackRock Financial Management, Inc.	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 248	248	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 90,835	90,835	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 3,272	3,272	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 60,786	60,786	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 13,361	13,361	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 5,369,078	5,369,078	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 415,672	415,672	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 9,657	9,657	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 16,897	16,897	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 2,069	2,069	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 5,347,898	5,347,898	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 1,277	1,277	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 131,788	131,788	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	RBC-ROYAL 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 4,445	4,445	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-SSB BOSTON 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 6,648	6,648	Subsidiary of BlackRock, Inc.
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 311,166	311,166	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-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 33,561	33,561	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	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 8,803	8,803	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 36,761	36,761	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 19,559	19,559	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 62,691	62,691	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 133,127	133,127	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 351,592	351,592	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 435,515	435,515	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 1,195,449	1,195,449	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 as investment manager or trustee.	ORD 290,879	290,879	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 33,233	33,233	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 268,418	268,418	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BAYERN LB		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 18,030	18,030	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	BNP PARIBAS LON		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 18,152	18,152	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 2,429	2,429	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 261,464	261,464	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 176,725	176,725	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 4,421	4,421	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 804,482	804,482	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	CREDIT SUISSE (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 23,470	23,470	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 260,858	260,858	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 15,357	15,357	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 869	869	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 43,199	43,199	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 469,394	469,394	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	PICT-PICTET & CIE		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 2,049	2,049	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 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 18,906	18,906	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 17,357	17,357	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 94,290	94,290	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 1,219	1,219	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 21,942	21,942	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 70,106	70,106	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 10,978	10,978	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 216,481	216,481	Subsidiary of BlackRock, Inc.
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 241,182	241,182	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 6,436	6,436	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 1,446	1,446	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 7,769	7,769	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	UNION BANK		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 1,760	1,760	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	USB-US BANK		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	11,670	11,670	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	7,093	7,093	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	258,304	258,304	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	68,344	68,344	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	1,404	1,404	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	5,088	5,088	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	105,209	105,209	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	239,019	239,019	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 as investment manager or trustee.	ORD	20,578	20,578	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	SSB-STATE STREET AUSTRALIA		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	133,163	133,163	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	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	381	381	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	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	1,283,442	1,283,442	Subsidiary of BlackRock, Inc.

Annexure C

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

13-Feb-19

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 Capital Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
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)

