

Form 604

Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme CSR LIMITED

ACN/ARSN 000 001 276

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 20 / 08 / 2019

The previous notice was given to the company on 19 / 03 / 2019

The previous notice was dated 15 / 03 / 2019

2. Previous and present voting power

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

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
ord	46,974,335	9.31	41,351,362	8.30

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				

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 22 / 08 / 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 17 pages referred to in form 604 Notice of change of interests of substantial shareholder

22-Aug-19

Maria Tricarico,
Authorised Signatory

Date

5. Consideration

CSR LTD (CSR)							
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-Mar-19	BlackRock Fund Advisors	on mkt buy	3.35	AUD	ORD	1,065	1,065
18-Mar-19	BlackRock Fund Advisors	on mkt buy	3.35	AUD	ORD	56,030	56,030
18-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	3.35	AUD	ORD	32,849	32,849
18-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	3.40	AUD	ORD	45,541	45,541
19-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.38	AUD	ORD	-7,497	-7,497
19-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.38	AUD	ORD	-32,040	-32,040
19-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.38	AUD	ORD	-17,775	-17,775
19-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.38	AUD	ORD	-15,784	-15,784
19-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.38	AUD	ORD	6,070	6,070
19-Mar-19	BlackRock Investment Management (UK) Limited	on mkt sell	3.38	AUD	ORD	-8,354	-8,354
19-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.38	AUD	ORD	-13,573	-13,573
19-Mar-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,340	2,340
20-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.36	AUD	ORD	-48,466	-48,466
20-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.36	AUD	ORD	-60,543	-60,543
20-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.36	AUD	ORD	-14,745	-14,745
20-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.37	AUD	ORD	-1,766	-1,766
20-Mar-19	BlackRock Fund Advisors	on mkt sell	3.35	AUD	ORD	-5,916	-5,916
20-Mar-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.35	AUD	ORD	-18,486	-18,486
20-Mar-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	18,440	18,440
20-Mar-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	19,558	19,558
21-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.26	AUD	ORD	-23,146	-23,146
21-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.26	AUD	ORD	-70,044	-70,044
21-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.28	AUD	ORD	-421	-421
22-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.24	AUD	ORD	-996	-996
22-Mar-19	BlackRock Fund Advisors	on mkt buy	3.25	AUD	ORD	597	597
22-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	3.24	AUD	ORD	91,438	91,438
25-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.17	AUD	ORD	-679	-679
25-Mar-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	16,596	16,596
25-Mar-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	5,993	5,993
26-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.21	AUD	ORD	-1,135	-1,135
26-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.21	AUD	ORD	-21,657	-21,657
26-Mar-19	BlackRock Fund Advisors	on mkt buy	3.20	AUD	ORD	1,784	1,784
27-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.24	AUD	ORD	-52,927	-52,927
27-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.24	AUD	ORD	-55,371	-55,371
27-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.24	AUD	ORD	-11,574	-11,574
27-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.23	AUD	ORD	-3,162	-3,162

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-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	3.26	AUD	ORD	58,856	58,856
28-Mar-19	BlackRock Asset Management Deutschland AG	on mkt sell	3.29	AUD	ORD	-133,950	-133,950
28-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.27	AUD	ORD	-1,751	-1,751
28-Mar-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.27	AUD	ORD	-9,513	-9,513
28-Mar-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	13,970	13,970
29-Mar-19	BlackRock Asset Management Deutschland AG	on mkt sell	3.32	AUD	ORD	-300,047	-300,047
29-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.33	AUD	ORD	-2,466	-2,466
29-Mar-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.33	AUD	ORD	-392	-392
29-Mar-19	BlackRock Advisors (UK) Limited	on mkt buy	3.32	AUD	ORD	619	619
29-Mar-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,120	3,120
01-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.45	AUD	ORD	-4,194	-4,194
01-Apr-19	BlackRock Fund Advisors	on mkt buy	3.34	AUD	ORD	739	739
01-Apr-19	BlackRock (Netherlands) B.V.	on mkt buy	3.47	AUD	ORD	5,757	5,757
02-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.42	AUD	ORD	-3,443	-3,443
02-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.42	AUD	ORD	-6,431	-6,431
02-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.42	AUD	ORD	-30,458	-30,458
02-Apr-19	BlackRock Fund Advisors	on mkt buy	3.45	AUD	ORD	1,232	1,232
02-Apr-19	BlackRock Investment Management (UK) Limited	on mkt buy	3.42	AUD	ORD	57,667	57,667
02-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,560	1,560
03-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.44	AUD	ORD	-437	-437
03-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.45	AUD	ORD	-10,344	-10,344
03-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.46	AUD	ORD	3,035	3,035
03-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.46	AUD	ORD	16,077	16,077
03-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.46	AUD	ORD	4,008	4,008
04-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.52	AUD	ORD	-2,088	-2,088
04-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.52	AUD	ORD	-14,351	-14,351
04-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.51	AUD	ORD	4,856	4,856
04-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.51	AUD	ORD	7,573	7,573
04-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	3.51	AUD	ORD	-46,043	-46,043
04-Apr-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	815,431	815,431
05-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	9,779	9,779
05-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	11,176	11,176
08-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,872	1,872
08-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	16,135	16,135
09-Apr-19	BlackRock Fund Advisors	on mkt buy	3.53	AUD	ORD	1,265	1,265
09-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.49	AUD	ORD	1,821	1,821
09-Apr-19	BlackRock Asset Management Deutschland AG	on mkt buy	3.49	AUD	ORD	40,982	40,982
09-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,964	-10,964
12-Apr-19	BlackRock Advisors (UK) Limited	on mkt sell	3.34	AUD	ORD	-92,072	-92,072
12-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	13,369	13,369
15-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.41	AUD	ORD	1,347	1,347
16-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.41	AUD	ORD	1,130	1,130
16-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	18,440	18,440
17-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.44	AUD	ORD	-19,817	-19,817
17-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.44	AUD	ORD	-1,042	-1,042

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-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.44	AUD	ORD	-21,448	-21,448
17-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	3.42	AUD	ORD	46,039	46,039
18-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.49	AUD	ORD	24,886	24,886
18-Apr-19	BlackRock Advisors (UK) Limited	on mkt buy	3.50	AUD	ORD	46,040	46,040
18-Apr-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.50	AUD	ORD	-23,080	-23,080
23-Apr-19	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	126,101	126,101
23-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.54	AUD	ORD	-4,494	-4,494
23-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.55	AUD	ORD	12,789	12,789
23-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,120	3,120
23-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-10,964	-10,964
23-Apr-19	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ORD	-156,793	-156,793
24-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.63	AUD	ORD	-9,147	-9,147
24-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.63	AUD	ORD	4,848	4,848
24-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.63	AUD	ORD	43,784	43,784
24-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,028	2,028
24-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	19,404	19,404
26-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.62	AUD	ORD	-8,118	-8,118
26-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.62	AUD	ORD	-13,636	-13,636
26-Apr-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	14,784	14,784
30-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.56	AUD	ORD	-8,930	-8,930
30-Apr-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.56	AUD	ORD	2,424	2,424
30-Apr-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.56	AUD	ORD	3,713	3,713
01-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.57	AUD	ORD	-8,847	-8,847
01-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.57	AUD	ORD	-11,374	-11,374
02-May-19	BlackRock Fund Advisors	on mkt buy	3.58	AUD	ORD	405	405
02-May-19	BlackRock Advisors (UK) Limited	on mkt buy	3.52	AUD	ORD	619	619
02-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.52	AUD	ORD	-17,514	-17,514
03-May-19	BlackRock Fund Advisors	on mkt buy	3.52	AUD	ORD	645	645
06-May-19	BlackRock Asset Management Deutschland AG	on mkt buy	3.36	AUD	ORD	26,999	26,999
07-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.38	AUD	ORD	2,334	2,334
07-May-19	BlackRock Advisors, LLC	on mkt buy	3.38	AUD	ORD	6,847	6,847
07-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.38	AUD	ORD	31,153	31,153
07-May-19	BlackRock Asset Management Canada Limited	on mkt buy	3.38	AUD	ORD	6,787	6,787
07-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.38	AUD	ORD	15,921	15,921
07-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,500	3,500
07-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,000	6,000
08-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.34	AUD	ORD	2,636	2,636
08-May-19	BlackRock Fund Advisors	on mkt buy	3.34	AUD	ORD	54,737	54,737
08-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,581	4,581
08-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	11,336	11,336
09-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.37	AUD	ORD	1,227	1,227
09-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.37	AUD	ORD	27,743	27,743
09-May-19	BlackRock Asset Management Canada Limited	on mkt buy	3.37	AUD	ORD	6,408	6,408
09-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.37	AUD	ORD	14,158	14,158

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-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.37	AUD	ORD	-9,331	-9,331
10-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.33	AUD	ORD	-11,702	-11,702
10-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.33	AUD	ORD	15,427	15,427
10-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,767	1,767
13-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	6,336	6,336
14-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,716	1,716
15-May-19	BlackRock Asset Management Deutschland AG	on mkt buy	3.36	AUD	ORD	27,001	27,001
15-May-19	BlackRock Advisors (UK) Limited	on mkt sell	3.36	AUD	ORD	-46,042	-46,042
15-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,410	7,410
15-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	8,502	8,502
16-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.37	AUD	ORD	1,506	1,506
16-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.37	AUD	ORD	22,855	22,855
16-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.37	AUD	ORD	28,501	28,501
16-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.39	AUD	ORD	46,518	46,518
16-May-19	BlackRock Asset Management Canada Limited	on mkt buy	3.37	AUD	ORD	6,441	6,441
16-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.37	AUD	ORD	14,871	14,871
16-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.37	AUD	ORD	-5,954	-5,954
17-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.43	AUD	ORD	3,379	3,379
20-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.57	AUD	ORD	-14,866	-14,866
20-May-19	BlackRock (Netherlands) B.V.	in specie	n/a	AUD	ORD	71,290	71,290
20-May-19	BlackRock (Netherlands) B.V.	in specie	n/a	AUD	ORD	-71,290	-71,290
21-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.62	AUD	ORD	18,036	18,036
21-May-19	BlackRock Advisors (UK) Limited	on mkt buy	3.68	AUD	ORD	619	619
21-May-19	BlackRock Advisors (UK) Limited	on mkt buy	3.68	AUD	ORD	79,425	79,425
22-May-19	BlackRock Advisors (UK) Limited	on mkt buy	3.88	AUD	ORD	619	619
22-May-19	BlackRock Investment Management (UK) Limited	on mkt buy	3.88	AUD	ORD	34,844	34,844
22-May-19	BlackRock Investment Management (UK) Limited	on mkt sell	3.88	AUD	ORD	-34,844	-34,844
22-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,440	7,440
22-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	14,880	14,880
22-May-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	37,527	37,527
23-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.11	AUD	ORD	-3,409	-3,409
23-May-19	BlackRock Fund Advisors	on mkt buy	4.10	AUD	ORD	76,748	76,748
24-May-19	BlackRock Fund Advisors	on mkt buy	4.09	AUD	ORD	817	817
24-May-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.14	AUD	ORD	5,486	5,486
24-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	9,919	9,919
27-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.10	AUD	ORD	-2,477	-2,477
28-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.06	AUD	ORD	-14,627	-14,627
28-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.06	AUD	ORD	-51,556	-51,556
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.06	AUD	ORD	-4,323	-4,323
28-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.06	AUD	ORD	-11,215	-11,215
28-May-19	BlackRock Fund Advisors	on mkt sell	4.06	AUD	ORD	-45,895	-45,895
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.06	AUD	ORD	-15,284	-15,284
28-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.06	AUD	ORD	-33,645	-33,645
28-May-19	BlackRock Fund Advisors	on mkt sell	4.06	AUD	ORD	-137,687	-137,687
28-May-19	BlackRock Fund Advisors	on mkt buy	4.06	AUD	ORD	43,965	43,965
28-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.06	AUD	ORD	1,822	1,822

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-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.03	AUD	ORD	-23,734	-23,734
29-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.03	AUD	ORD	-4,554	-4,554
29-May-19	BlackRock Advisors (UK) Limited	on mkt sell	4.04	AUD	ORD	-46,442	-46,442
29-May-19	BlackRock Advisors (UK) Limited	on mkt buy	4.04	AUD	ORD	1,238	1,238
29-May-19	BlackRock Fund Advisors	on mkt buy	4.04	AUD	ORD	44,793	44,793
30-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-3,893	-3,893
30-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-7,705	-7,705
30-May-19	BlackRock Advisors (UK) Limited	on mkt sell	3.95	AUD	ORD	-7,131	-7,131
30-May-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.95	AUD	ORD	-34,676	-34,676
30-May-19	BlackRock Advisors, LLC	on mkt sell	3.95	AUD	ORD	-8,154	-8,154
30-May-19	BlackRock International Limited	on mkt sell	3.95	AUD	ORD	-10,865	-10,865
30-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.95	AUD	ORD	-11,142	-11,142
30-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-13,199	-13,199
30-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-14,504	-14,504
30-May-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	15,660	15,660
31-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-806	-806
31-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-7,197	-7,197
31-May-19	BlackRock Advisors, LLC	on mkt sell	4.00	AUD	ORD	-8,093	-8,093
31-May-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.00	AUD	ORD	-12,026	-12,026
31-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-11,548	-11,548
31-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-16,145	-16,145
31-May-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.99	AUD	ORD	-1,808	-1,808
31-May-19	BlackRock Institutional Trust Company, National Association	on mkt buy	3.99	AUD	ORD	26,627	26,627
03-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-1,275	-1,275
03-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-8,648	-8,648
03-Jun-19	BlackRock Fund Advisors	on mkt buy	3.92	AUD	ORD	779	779
04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.93	AUD	ORD	-9,107	-9,107
04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.93	AUD	ORD	-3,667	-3,667
04-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.93	AUD	ORD	-132,053	-132,053
04-Jun-19	BlackRock Advisors, LLC	on mkt sell	3.93	AUD	ORD	-13,732	-13,732
04-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.93	AUD	ORD	-23,594	-23,594
04-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.93	AUD	ORD	-7,799	-7,799
04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.93	AUD	ORD	-57,255	-57,255
04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.93	AUD	ORD	-5,898	-5,898
04-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.93	AUD	ORD	-19,002	-19,002
04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.93	AUD	ORD	-39,916	-39,916
04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.93	AUD	ORD	-8,159	-8,159
04-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	3.93	AUD	ORD	-23,554	-23,554
04-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	3.93	AUD	ORD	-19,757	-19,757
04-Jun-19	BlackRock Asset Management Canada Limited	on mkt sell	3.93	AUD	ORD	-9,805	-9,805
04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.93	AUD	ORD	-21,009	-21,009
04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.93	AUD	ORD	-31,453	-31,453

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04-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-15,870	-15,870
05-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-9,427	-9,427
05-Jun-19	BlackRock Investment Management, LLC	on mkt sell	3.90	AUD	ORD	-8,741	-8,741
05-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell	3.90	AUD	ORD	-2,840	-2,840
05-Jun-19	BlackRock Japan Co., Ltd.	on mkt sell	3.90	AUD	ORD	-4,187	-4,187
05-Jun-19	BlackRock Japan Co., Ltd.	on mkt sell	3.90	AUD	ORD	-5,960	-5,960
05-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell	3.90	AUD	ORD	-6,346	-6,346
05-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	3.90	AUD	ORD	-16,904	-16,904
05-Jun-19	BlackRock Investment Management, LLC	on mkt sell	3.90	AUD	ORD	-5,464	-5,464
05-Jun-19	BlackRock Japan Co., Ltd.	on mkt sell	3.89	AUD	ORD	-20,717	-20,717
05-Jun-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	11,247	11,247
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.88	AUD	ORD	-54,909	-54,909
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.88	AUD	ORD	-43,826	-43,826
06-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.88	AUD	ORD	-11,635	-11,635
07-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-558	-558
07-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-4,395	-4,395
07-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-7,054	-7,054
07-Jun-19	BlackRock Advisors, LLC	on mkt sell	3.91	AUD	ORD	-8,226	-8,226
07-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.91	AUD	ORD	-7,851	-7,851
07-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-52,833	-52,833
07-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-7,724	-7,724
07-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.91	AUD	ORD	-16,992	-16,992
07-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-35,053	-35,053
07-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-22,807	-22,807
07-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	3.91	AUD	ORD	-28,095	-28,095
07-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	3.91	AUD	ORD	-21,776	-21,776
07-Jun-19	BlackRock Asset Management Canada Limited	on mkt sell	3.91	AUD	ORD	-6,650	-6,650
07-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-15,422	-15,422
07-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-13,018	-13,018
07-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	3.93	AUD	ORD	-46,455	-46,455
11-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.01	AUD	ORD	-4,985	-4,985
11-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.01	AUD	ORD	-8,072	-8,072
11-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.01	AUD	ORD	-34,691	-34,691
11-Jun-19	BlackRock Advisors, LLC	on mkt sell	4.01	AUD	ORD	-8,923	-8,923
11-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.01	AUD	ORD	-12,143	-12,143
11-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.01	AUD	ORD	-29,709	-29,709
11-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.01	AUD	ORD	-17,446	-17,446
11-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	3.99	AUD	ORD	1,857	1,857
12-Jun-19	BlackRock Investment Management, LLC	on mkt sell	4.03	AUD	ORD	-3,905	-3,905
12-Jun-19	BlackRock Investment Management (UK) Limited	on mkt buy	4.05	AUD	ORD	39,178	39,178
12-Jun-19	BlackRock Japan Co., Ltd.	on mkt sell	4.03	AUD	ORD	-7,560	-7,560
12-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.03	AUD	ORD	-2,936	-2,936
12-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	4.04	AUD	ORD	-157,581	-157,581

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12-Jun-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-4,890	-4,890
13-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-647	-647
13-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-11,865	-11,865
13-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	3.98	AUD	ORD	-5,233	-5,233
13-Jun-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.98	AUD	ORD	-9,595	-9,595
13-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-11,515	-11,515
13-Jun-19	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ORD	11,276	11,276
14-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.00	AUD	ORD	-1,231	-1,231
14-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.00	AUD	ORD	-34,380	-34,380
14-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.00	AUD	ORD	-89,491	-89,491
14-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.00	AUD	ORD	-136,475	-136,475
14-Jun-19	BlackRock Asset Management Deutschland AG	on mkt sell	4.00	AUD	ORD	-42,035	-42,035
17-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-4,629	-4,629
17-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-2,639	-2,639
17-Jun-19	BlackRock Fund Advisors	on mkt sell	3.96	AUD	ORD	-6,656	-6,656
17-Jun-19	BlackRock Fund Advisors	on mkt sell	3.96	AUD	ORD	-66,584	-66,584
17-Jun-19	BlackRock Fund Advisors	on mkt sell	3.96	AUD	ORD	-1,107	-1,107
18-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-2,697	-2,697
18-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-1,122	-1,122
18-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	3.92	AUD	ORD	-11,857	-11,857
18-Jun-19	BlackRock Advisors (UK) Limited	on mkt sell	3.92	AUD	ORD	-9,335	-9,335
19-Jun-19	BlackRock Japan Co., Ltd.	on mkt sell	3.99	AUD	ORD	-11,354	-11,354
19-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.99	AUD	ORD	-1,158	-1,158
19-Jun-19	BlackRock Investment Management, LLC	on mkt sell	3.99	AUD	ORD	-4,990	-4,990
19-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.99	AUD	ORD	-1,973	-1,973
19-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell	3.99	AUD	ORD	-9,871	-9,871
19-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.00	AUD	ORD	4,242	4,242
21-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.02	AUD	ORD	31,003	31,003
21-Jun-19	BlackRock Fund Advisors	on mkt buy	4.02	AUD	ORD	17,845	17,845
21-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.02	AUD	ORD	132,403	132,403
21-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.02	AUD	ORD	93,007	93,007
21-Jun-19	BlackRock Fund Advisors	on mkt buy	4.02	AUD	ORD	53,538	53,538
21-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.02	AUD	ORD	6,176	6,176
21-Jun-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,832	4,832
24-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.03	AUD	ORD	-730	-730
24-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.05	AUD	ORD	-66,215	-66,215
24-Jun-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	3,171	3,171
25-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.05	AUD	ORD	-2,008	-2,008
25-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.05	AUD	ORD	-2,086	-2,086
25-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.05	AUD	ORD	-13,865	-13,865
25-Jun-19	BlackRock Fund Advisors	on mkt buy	4.04	AUD	ORD	1,069	1,069
25-Jun-19	BlackRock Advisors (UK) Limited	on mkt buy	4.05	AUD	ORD	619	619
26-Jun-19	BlackRock Fund Advisors	on mkt buy	4.00	AUD	ORD	1,410	1,410
26-Jun-19	BlackRock Japan Co., Ltd.	on mkt sell	3.97	AUD	ORD	-10,658	-10,658

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26-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-2,282	-2,282
26-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-2,985	-2,985
26-Jun-19	BlackRock Investment Management, LLC	on mkt sell	3.97	AUD	ORD	-5,307	-5,307
26-Jun-19	BlackRock Japan Co., Ltd.	on mkt sell	3.97	AUD	ORD	-3,543	-3,543
26-Jun-19	BlackRock Investment Management, LLC	on mkt sell	3.97	AUD	ORD	-14,844	-14,844
26-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-2,654	-2,654
26-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell	3.97	AUD	ORD	-10,943	-10,943
26-Jun-19	BlackRock Investment Management (UK) Limited	on mkt sell	3.97	AUD	ORD	-16,663	-16,663
26-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.97	AUD	ORD	-9,078	-9,078
27-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.93	AUD	ORD	-845	-845
27-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.93	AUD	ORD	-2,864	-2,864
28-Jun-19	BlackRock Fund Advisors	on mkt buy	3.91	AUD	ORD	503	503
28-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-1,326	-1,326
28-Jun-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.91	AUD	ORD	-25,981	-25,981
28-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.91	AUD	ORD	-15,966	-15,966
28-Jun-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.91	AUD	ORD	-12,988	-12,988
28-Jun-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,963	1,963
01-Jul-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-5,892	-5,892
02-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.05	AUD	ORD	-63,160	-63,160
02-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	4.07	AUD	ORD	1,857	1,857
02-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.07	AUD	ORD	9,922	9,922
02-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.07	AUD	ORD	14,010	14,010
03-Jul-19	BlackRock Fund Advisors	on mkt buy	4.02	AUD	ORD	945	945
03-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.04	AUD	ORD	-17,737	-17,737
03-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.04	AUD	ORD	-45,555	-45,555
03-Jul-19	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-7,390	-7,390
04-Jul-19	BlackRock Fund Advisors	on mkt buy	4.05	AUD	ORD	493	493
04-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.09	AUD	ORD	-34,320	-34,320
04-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.13	AUD	ORD	-45,552	-45,552
05-Jul-19	BlackRock Asset Management Deutschland AG	on mkt buy	4.31	AUD	ORD	39,012	39,012
08-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.25	AUD	ORD	-6,683	-6,683
08-Jul-19	BlackRock Fund Advisors	on mkt buy	4.34	AUD	ORD	810	810
08-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.22	AUD	ORD	-1,070	-1,070
09-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.13	AUD	ORD	-2,164	-2,164
09-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.13	AUD	ORD	-5,252	-5,252
09-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-5,191	-5,191
09-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-1,776	-1,776
09-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.12	AUD	ORD	-2,639	-2,639
09-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.13	AUD	ORD	-74,255	-74,255
09-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.12	AUD	ORD	-3,829	-3,829
09-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-13,143	-13,143
09-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.12	AUD	ORD	-6,332	-6,332
09-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-19,916	-19,916

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09-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-4,365	-4,365
09-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.12	AUD	ORD	-4,433	-4,433
09-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.12	AUD	ORD	-3,444	-3,444
09-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.12	AUD	ORD	-6,106	-6,106
09-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-8,022	-8,022
09-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-12,226	-12,226
09-Jul-19	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ORD	-13,314	-13,314
10-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.18	AUD	ORD	-19,574	-19,574
10-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-5,706	-5,706
10-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-8,368	-8,368
10-Jul-19	BlackRock Investment Management, LLC	on mkt sell	4.19	AUD	ORD	-8,370	-8,370
10-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.19	AUD	ORD	-50,137	-50,137
10-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.19	AUD	ORD	-15,798	-15,798
10-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.19	AUD	ORD	-13,503	-13,503
10-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.19	AUD	ORD	-5,069	-5,069
10-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.19	AUD	ORD	-6,355	-6,355
10-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.19	AUD	ORD	-8,054	-8,054
10-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.19	AUD	ORD	-7,573	-7,573
10-Jul-19	BlackRock Investment Management, LLC	on mkt sell	4.19	AUD	ORD	-5,219	-5,219
10-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-3,477	-3,477
10-Jul-19	BlackRock Investment Management (UK) Limited	on mkt sell	4.19	AUD	ORD	-7,605	-7,605
10-Jul-19	BlackRock Investment Management (UK) Limited	on mkt sell	4.19	AUD	ORD	-4,312	-4,312
10-Jul-19	BlackRock Investment Management (UK) Limited	on mkt sell	4.19	AUD	ORD	-7,282	-7,282
10-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-1,501	-1,501
10-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.19	AUD	ORD	-432	-432
10-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	4.22	AUD	ORD	24,852	24,852
10-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt buy	4.22	AUD	ORD	62,731	62,731
11-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.22	AUD	ORD	-11,677	-11,677
11-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.22	AUD	ORD	-3,688	-3,688
11-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.22	AUD	ORD	-6,971	-6,971
11-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.22	AUD	ORD	-79,139	-79,139
11-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.22	AUD	ORD	-7,860	-7,860
11-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.22	AUD	ORD	-28,835	-28,835
11-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.22	AUD	ORD	-14,395	-14,395
11-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.22	AUD	ORD	-32,079	-32,079
11-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.22	AUD	ORD	-6,028	-6,028
11-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.22	AUD	ORD	-10,181	-10,181
11-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.22	AUD	ORD	-7,967	-7,967
11-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.22	AUD	ORD	-7,715	-7,715
11-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.22	AUD	ORD	-14,691	-14,691
11-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.22	AUD	ORD	-15,905	-15,905
12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-4,420	-4,420
12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-7,116	-7,116

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12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-8,889	-8,889
12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-3,798	-3,798
12-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.20	AUD	ORD	-5,801	-5,801
12-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.20	AUD	ORD	-6,833	-6,833
12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-25,359	-25,359
12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-2,736	-2,736
12-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.20	AUD	ORD	-10,912	-10,912
12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-29,913	-29,913
12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-7,487	-7,487
12-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.20	AUD	ORD	-8,248	-8,248
12-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.20	AUD	ORD	-6,845	-6,845
12-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.20	AUD	ORD	-9,549	-9,549
12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-15,213	-15,213
12-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-16,491	-16,491
12-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.22	AUD	ORD	6,960	6,960
15-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.27	AUD	ORD	-4,779	-4,779
15-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.27	AUD	ORD	-10,235	-10,235
15-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.26	AUD	ORD	-62,442	-62,442
16-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-2,072	-2,072
16-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-3,833	-3,833
16-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-8,190	-8,190
16-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-1,933	-1,933
16-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.20	AUD	ORD	-5,022	-5,022
16-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.20	AUD	ORD	-26,804	-26,804
16-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.20	AUD	ORD	-2,444	-2,444
16-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.20	AUD	ORD	-2,381	-2,381
16-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-16,685	-16,685
16-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-2,315	-2,315
16-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.20	AUD	ORD	-6,449	-6,449
16-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-14,937	-14,937
16-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-3,396	-3,396
16-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.20	AUD	ORD	-6,496	-6,496
16-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.20	AUD	ORD	-5,220	-5,220
16-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.20	AUD	ORD	-1,548	-1,548
16-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.20	AUD	ORD	-4,562	-4,562
16-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-6,707	-6,707
16-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.20	AUD	ORD	-9,165	-9,165
16-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.18	AUD	ORD	-45,542	-45,542
16-Jul-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	4,681	4,681
17-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.16	AUD	ORD	-45,179	-45,179
17-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.16	AUD	ORD	-2,602	-2,602
17-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.16	AUD	ORD	-4,735	-4,735

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17-Jul-19	BlackRock Investment Management, LLC	on mkt sell	4.16	AUD	ORD	-13,260	-13,260
17-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.16	AUD	ORD	-2,020	-2,020
17-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.16	AUD	ORD	-1,324	-1,324
17-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.16	AUD	ORD	-37,877	-37,877
17-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.16	AUD	ORD	-16,106	-16,106
17-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.16	AUD	ORD	-5,364	-5,364
17-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.16	AUD	ORD	-6,728	-6,728
17-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.16	AUD	ORD	-10,149	-10,149
17-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.16	AUD	ORD	-8,397	-8,397
17-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.16	AUD	ORD	-2,168	-2,168
17-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.16	AUD	ORD	-3,048	-3,048
17-Jul-19	BlackRock Investment Management (UK) Limited	on mkt sell	4.16	AUD	ORD	-7,178	-7,178
17-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.16	AUD	ORD	-105,016	-105,016
17-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt buy	4.16	AUD	ORD	33,351	33,351
17-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.16	AUD	ORD	-3,095	-3,095
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-2,459	-2,459
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-4,061	-4,061
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-10,439	-10,439
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-3,199	-3,199
18-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.12	AUD	ORD	-6,644	-6,644
18-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.12	AUD	ORD	-21,419	-21,419
18-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.12	AUD	ORD	-3,817	-3,817
18-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.12	AUD	ORD	-15,754	-15,754
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-29,300	-29,300
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-3,582	-3,582
18-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.12	AUD	ORD	-10,024	-10,024
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-19,950	-19,950
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-7,114	-7,114
18-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.12	AUD	ORD	-10,121	-10,121
18-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.12	AUD	ORD	-7,781	-7,781
18-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.12	AUD	ORD	-2,530	-2,530
18-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.12	AUD	ORD	-8,772	-8,772
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-13,815	-13,815
18-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.12	AUD	ORD	-9,166	-9,166
18-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.12	AUD	ORD	-4,075	-4,075
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-1,270	-1,270
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-1,530	-1,530
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-4,384	-4,384
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-13,096	-13,096
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-5,396	-5,396
19-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.28	AUD	ORD	-11,064	-11,064
19-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.28	AUD	ORD	-24,287	-24,287

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19-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.28	AUD	ORD	-5,238	-5,238
19-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.28	AUD	ORD	-22,261	-22,261
19-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.28	AUD	ORD	-6,278	-6,278
19-Jul-19	BlackRock Investment Management, LLC	on mkt sell	4.28	AUD	ORD	-2,301	-2,301
19-Jul-19	BlackRock International Limited	on mkt sell	4.28	AUD	ORD	-16,020	-16,020
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-54,540	-54,540
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-5,416	-5,416
19-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.28	AUD	ORD	-7,129	-7,129
19-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.28	AUD	ORD	-4,792	-4,792
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-100,155	-100,155
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-17,456	-17,456
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-18,309	-18,309
19-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.28	AUD	ORD	-16,980	-16,980
19-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.28	AUD	ORD	-13,463	-13,463
19-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.28	AUD	ORD	-3,968	-3,968
19-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.28	AUD	ORD	-23,394	-23,394
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-43,906	-43,906
19-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.28	AUD	ORD	-20,601	-20,601
19-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.31	AUD	ORD	-45,544	-45,544
19-Jul-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,812	1,812
22-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.32	AUD	ORD	-1,197	-1,197
22-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.32	AUD	ORD	-6,119	-6,119
23-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.27	AUD	ORD	-3,197	-3,197
23-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.27	AUD	ORD	-2,299	-2,299
23-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.27	AUD	ORD	-4,151	-4,151
23-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.27	AUD	ORD	-28,241	-28,241
23-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.27	AUD	ORD	-6,983	-6,983
23-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.27	AUD	ORD	-20,032	-20,032
23-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.27	AUD	ORD	-1,879	-1,879
23-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.27	AUD	ORD	-9,440	-9,440
23-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.27	AUD	ORD	-2,319	-2,319
23-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.27	AUD	ORD	-22,734	-22,734
23-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.27	AUD	ORD	-5,632	-5,632
23-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.27	AUD	ORD	-7,493	-7,493
23-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.27	AUD	ORD	-5,845	-5,845
23-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.27	AUD	ORD	-2,033	-2,033
23-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.27	AUD	ORD	-7,186	-7,186
23-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.27	AUD	ORD	-11,473	-11,473
23-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.27	AUD	ORD	-12,793	-12,793
23-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	4.28	AUD	ORD	619	619
24-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.30	AUD	ORD	-4,760	-4,760
24-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.30	AUD	ORD	-3,826	-3,826

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24-Jul-19	BlackRock Investment Management, LLC	on mkt sell	4.30	AUD	ORD	-17,949	-17,949
24-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.30	AUD	ORD	-959	-959
24-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.30	AUD	ORD	-2,847	-2,847
24-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.30	AUD	ORD	-24,663	-24,663
24-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.30	AUD	ORD	-27,929	-27,929
24-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.30	AUD	ORD	-7,874	-7,874
24-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.30	AUD	ORD	-9,952	-9,952
24-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.30	AUD	ORD	-15,756	-15,756
24-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.30	AUD	ORD	-15,332	-15,332
24-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.30	AUD	ORD	-1,446	-1,446
24-Jul-19	BlackRock Investment Management (UK) Limited	on mkt sell	4.30	AUD	ORD	-17,436	-17,436
24-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.30	AUD	ORD	-186,725	-186,725
24-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.30	AUD	ORD	-4,577	-4,577
24-Jul-19	BlackRock Investment Management, LLC	on mkt sell	4.30	AUD	ORD	-5,482	-5,482
24-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.30	AUD	ORD	-2,521	-2,521
24-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.30	AUD	ORD	4,060	4,060
25-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.34	AUD	ORD	-1,774	-1,774
25-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.34	AUD	ORD	-2,843	-2,843
25-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.34	AUD	ORD	-1,990	-1,990
25-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.34	AUD	ORD	-2,902	-2,902
25-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.34	AUD	ORD	-6,960	-6,960
25-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.34	AUD	ORD	-26,627	-26,627
25-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.34	AUD	ORD	-8,602	-8,602
25-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.34	AUD	ORD	-2,999	-2,999
25-Jul-19	BlackRock International Limited	on mkt sell	4.34	AUD	ORD	-7,644	-7,644
25-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.34	AUD	ORD	-7,300	-7,300
25-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.34	AUD	ORD	-2,521	-2,521
25-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.34	AUD	ORD	-38,162	-38,162
25-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.34	AUD	ORD	-7,857	-7,857
25-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.34	AUD	ORD	-8,164	-8,164
25-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.34	AUD	ORD	-6,449	-6,449
25-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.34	AUD	ORD	-2,476	-2,476
25-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.34	AUD	ORD	-9,850	-9,850
25-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.34	AUD	ORD	-19,472	-19,472
25-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.34	AUD	ORD	-14,447	-14,447
26-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.32	AUD	ORD	-1,438	-1,438
26-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.32	AUD	ORD	-4,075	-4,075
26-Jul-19	BlackRock Advisors (UK) Limited	on mkt buy	4.34	AUD	ORD	45,538	45,538
29-Jul-19	BlackRock Asset Management Deutschland AG	on mkt buy	4.37	AUD	ORD	26,936	26,936
29-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.37	AUD	ORD	-1,658	-1,658
29-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.37	AUD	ORD	-5,721	-5,721
30-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.31	AUD	ORD	-677	-677
30-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.31	AUD	ORD	-1,936	-1,936

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30-Jul-19	BlackRock Advisors (UK) Limited	on mkt sell	4.31	AUD	ORD	-2,373	-2,373
30-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.33	AUD	ORD	-25,492	-25,492
30-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.31	AUD	ORD	-3,870	-3,870
30-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.31	AUD	ORD	-4,027	-4,027
30-Jul-19	BlackRock Advisors, LLC	on mkt sell	4.31	AUD	ORD	-1,666	-1,666
30-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.31	AUD	ORD	-27,065	-27,065
30-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.31	AUD	ORD	-4,708	-4,708
30-Jul-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.31	AUD	ORD	-1,607	-1,607
30-Jul-19	BlackRock Asset Management Canada Limited	on mkt sell	4.31	AUD	ORD	-5,421	-5,421
30-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.31	AUD	ORD	-12,724	-12,724
30-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.31	AUD	ORD	-5,496	-5,496
31-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.04	AUD	ORD	-2,609	-2,609
31-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.04	AUD	ORD	-4,105	-4,105
31-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.04	AUD	ORD	-1,758	-1,758
31-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.04	AUD	ORD	-10,929	-10,929
31-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.04	AUD	ORD	-3,643	-3,643
31-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.04	AUD	ORD	-4,443	-4,443
31-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.04	AUD	ORD	-6,412	-6,412
31-Jul-19	BlackRock Japan Co., Ltd.	on mkt sell	4.04	AUD	ORD	-5,870	-5,870
31-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.04	AUD	ORD	-16,112	-16,112
31-Jul-19	BlackRock Fund Advisors	on mkt buy	4.14	AUD	ORD	1,008	1,008
31-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.04	AUD	ORD	-37,608	-37,608
31-Jul-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.04	AUD	ORD	-9,089	-9,089
31-Jul-19	BlackRock Investment Management (UK) Limited	on mkt sell	4.04	AUD	ORD	-7,819	-7,819
31-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.04	AUD	ORD	-35,069	-35,069
31-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.04	AUD	ORD	-103,455	-103,455
31-Jul-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.03	AUD	ORD	212,245	212,245
01-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	3.98	AUD	ORD	619	619
01-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.99	AUD	ORD	-986	-986
01-Aug-19	BlackRock Advisors (UK) Limited	on mkt sell	3.99	AUD	ORD	-3,440	-3,440
01-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.99	AUD	ORD	-28,210	-28,210
01-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.99	AUD	ORD	-9,556	-9,556
01-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.99	AUD	ORD	-39,886	-39,886
01-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.99	AUD	ORD	-7,993	-7,993
01-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	3.99	AUD	ORD	-9,353	-9,353
01-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.99	AUD	ORD	-22,306	-22,306
01-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.99	AUD	ORD	-13,054	-13,054
01-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.98	AUD	ORD	1,222	1,222
01-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	3.99	AUD	ORD	45,539	45,539
01-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	3.98	AUD	ORD	45,539	45,539
01-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.98	AUD	ORD	-2,434	-2,434
01-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	9,961	9,961
02-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-4,159	-4,159
02-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-29,592	-29,592

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
02-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	3.98	AUD	ORD	-5,596	-5,596
02-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-13,754	-13,754
02-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.97	AUD	ORD	1,222	1,222
02-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	7,115	7,115
05-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.94	AUD	ORD	-827	-827
05-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.94	AUD	ORD	-3,247	-3,247
05-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.94	AUD	ORD	1,222	1,222
05-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	3.94	AUD	ORD	45,557	45,557
05-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	3.94	AUD	ORD	1,238	1,238
06-Aug-19	BlackRock Asset Management Deutschland AG	on mkt buy	3.88	AUD	ORD	26,958	26,958
06-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.88	AUD	ORD	-4,401	-4,401
06-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.88	AUD	ORD	-15,666	-15,666
06-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.88	AUD	ORD	-15,296	-15,296
06-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.89	AUD	ORD	-18,448	-18,448
06-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.89	AUD	ORD	-69,912	-69,912
06-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.89	AUD	ORD	-7,585	-7,585
06-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	3.89	AUD	ORD	-11,566	-11,566
06-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.89	AUD	ORD	-39,534	-39,534
06-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.89	AUD	ORD	-30,748	-30,748
06-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.88	AUD	ORD	4,060	4,060
07-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.89	AUD	ORD	6,706	6,706
07-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-6,938	-6,938
07-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-47,790	-47,790
07-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-417	-417
07-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell	3.95	AUD	ORD	-4,071	-4,071
07-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell	3.95	AUD	ORD	-3,006	-3,006
07-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.96	AUD	ORD	-21,855	-21,855
07-Aug-19	BlackRock Investment Management, LLC	on mkt sell	3.95	AUD	ORD	-5,619	-5,619
07-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.95	AUD	ORD	-96,114	-96,114
08-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-5,168	-5,168
08-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-40,325	-40,325
08-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-3,753	-3,753
08-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.97	AUD	ORD	-10,099	-10,099
08-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.97	AUD	ORD	-17,282	-17,282
08-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.97	AUD	ORD	-4,369	-4,369
08-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-77,148	-77,148
08-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-8,879	-8,879
08-Aug-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.97	AUD	ORD	-3,724	-3,724
08-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	3.97	AUD	ORD	-13,125	-13,125
08-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-44,452	-44,452

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
08-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.97	AUD	ORD	-22,484	-22,484
08-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	3.96	AUD	ORD	45,555	45,555
09-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-7,239	-7,239
09-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-38,583	-38,583
09-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-4,034	-4,034
09-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.98	AUD	ORD	-18,560	-18,560
09-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.98	AUD	ORD	-4,141	-4,141
09-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-79,436	-79,436
09-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-9,119	-9,119
09-Aug-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	3.98	AUD	ORD	-3,938	-3,938
09-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	3.98	AUD	ORD	-13,502	-13,502
09-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-40,523	-40,523
09-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-22,501	-22,501
09-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.96	AUD	ORD	4,640	4,640
09-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.96	AUD	ORD	1,222	1,222
09-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.96	AUD	ORD	28,309	28,309
09-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	3.96	AUD	ORD	9,088	9,088
12-Aug-19	BlackRock Asset Management Deutschland AG	on mkt buy	3.97	AUD	ORD	26,959	26,959
12-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-5,255	-5,255
12-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.95	AUD	ORD	-28,625	-28,625
13-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-25,993	-25,993
13-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.96	AUD	ORD	-43,301	-43,301
13-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.96	AUD	ORD	-15,213	-15,213
13-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-65,601	-65,601
13-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-7,631	-7,631
13-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	3.96	AUD	ORD	-11,203	-11,203
13-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-31,235	-31,235
13-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-18,298	-18,298
13-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.96	AUD	ORD	-4,175	-4,175
13-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	2,927	2,927
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.98	AUD	ORD	-971	-971
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.98	AUD	ORD	-16,621	-16,621
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.98	AUD	ORD	-29,215	-29,215
14-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.00	AUD	ORD	2,444	2,444
14-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-7,131	-7,131
14-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.98	AUD	ORD	-35,916	-35,916
14-Aug-19	BlackRock Japan Co., Ltd.	on mkt sell	3.98	AUD	ORD	-4,093	-4,093
14-Aug-19	BlackRock Investment Management (UK) Limited	on mkt sell	3.98	AUD	ORD	-7,603	-7,603
14-Aug-19	BlackRock Investment Management, LLC	on mkt sell	3.98	AUD	ORD	-5,942	-5,942
15-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.88	AUD	ORD	-18,049	-18,049

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-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.88	AUD	ORD	-3,942	-3,942
15-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.88	AUD	ORD	-77,991	-77,991
15-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.88	AUD	ORD	-8,770	-8,770
15-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	3.88	AUD	ORD	-13,026	-13,026
15-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.88	AUD	ORD	-38,276	-38,276
15-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.88	AUD	ORD	-23,338	-23,338
15-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.88	AUD	ORD	-5,957	-5,957
15-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.88	AUD	ORD	-26,597	-26,597
15-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	3.88	AUD	ORD	-6,755	-6,755
16-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-5,765	-5,765
16-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-23,977	-23,977
16-Aug-19	BlackRock Advisors, LLC	on mkt sell	3.92	AUD	ORD	-13,816	-13,816
16-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-61,328	-61,328
16-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-6,852	-6,852
16-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	3.92	AUD	ORD	-10,581	-10,581
16-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-29,929	-29,929
16-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-19,362	-19,362
16-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	-19,922	-19,922
16-Aug-19	BlackRock Fund Advisors	in specie	n/a	AUD	ORD	1,767	1,767
19-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-6,001	-6,001
19-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	3.92	AUD	ORD	-22,640	-22,640
19-Aug-19	BlackRock Fund Advisors	on mkt buy	3.95	AUD	ORD	855	855
19-Aug-19	BlackRock Advisors (UK) Limited	on mkt buy	3.92	AUD	ORD	1,238	1,238
20-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.02	AUD	ORD	-6,227	-6,227
20-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.02	AUD	ORD	-20,251	-20,251
20-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.02	AUD	ORD	-4,084	-4,084
20-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt sell	4.02	AUD	ORD	-2,174	-2,174
20-Aug-19	BlackRock Advisors, LLC	on mkt sell	4.02	AUD	ORD	-14,504	-14,504
20-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.02	AUD	ORD	-76,709	-76,709
20-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.02	AUD	ORD	-8,416	-8,416
20-Aug-19	BLACKROCK FINANCIAL MANAGEMENT, INC.	on mkt sell	4.02	AUD	ORD	-3,865	-3,865
20-Aug-19	BlackRock Asset Management Canada Limited	on mkt sell	4.02	AUD	ORD	-13,479	-13,479
20-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.02	AUD	ORD	-33,023	-33,023
20-Aug-19	BlackRock Institutional Trust Company, National Association	on mkt sell	4.02	AUD	ORD	-21,720	-21,720
20-Aug-19	BlackRock Investment Management (Australia) Limited	on mkt buy	4.04	AUD	ORD	4,640	4,640

22-Aug-19

Date

Maria Tricarico,
Authorised Signatory

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.	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	71,290	71,290	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	542,524	542,524	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	86,923	86,923	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	8,138,724	8,138,724	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	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	54,741	54,741	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	45,617	45,617	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	217,277	217,277	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	48,461	48,461	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	170,930	170,930	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	9,763	9,763	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Canada Limited	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	123,712	123,712	Subsidiary of BlackRock, Inc.
BlackRock Asset Management Deutschland AG	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	4,184,650	4,184,650	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	383	383	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 2,591	2,591	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 240,176	240,176	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 15,901	15,901	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 6,732	6,732	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 7,190	7,190	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 883,233	883,233	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 111,376	111,376	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 9,666,888	9,666,888	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 345,237	345,237	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	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	177,939	177,939	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	168,329	168,329	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	38,034	38,034	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	5,336,215	5,336,215	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	103,974	103,974	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	14,756	14,756	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	6,194	6,194	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	8,586	8,586	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	890,471	890,471	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 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	6,026	6,026	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STREET SACRAMENTO		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	1,688	1,688	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	155,450	155,450	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	102,302	102,302	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	651,756	651,756	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	855,141	855,141	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ORD	2,780,871	2,780,871	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	461,975	461,975	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	455,168	455,168	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	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	193,193	193,193	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	267,113	267,113	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	CITI-CITIBANK INTERNATIONAL PLC (LUXEMBOURG 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	62,302	62,302	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	370,638	370,638	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	248,940	248,940	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	342,146	342,146	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	17,497	17,497	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	121,262	121,262	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	34,360	34,360	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities		Person's votes	Nature of Association
BlackRock Investment Management, LLC	JPM-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	4,566	4,566	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	2,703	2,703	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	24,722	24,722	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	20,033	20,033	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	43,166	43,166	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ORD	363,396	363,396	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ORD	267,109	267,109	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 held in its capacity as investment manager.	ORD	188,844	188,844	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 held in its capacity as responsible entity.	ORD	1,590,178	1,590,178	Subsidiary of BlackRock, Inc.

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

Maria Tricarico,
Authorised Signatory

22-Aug-19
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 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 Deutschland AG	Max-Joseph-Straße 6 D-80333 Munich, Germany
BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Citibank Tower & 17/F ICBC Tower, 3 Garden Road, Central, Hong Kong
BlackRock Financial Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States
BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)
BlackRock International Limited	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)
BlackRock Investment Management (Australia) Limited	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)
BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom
BlackRock Investment Management, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States
BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)