

Form 604

Corporations Act 2001
Section 671B

Notice of change of interests of substantial holder

To Company Name/Scheme CSR LTD

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 21 / 12 / 2018

The previous notice was given to the company on 02 / 11 / 2018

The previous notice was dated 31 / 10 / 2018

2. Previous and present voting power

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

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
ord	25,253,317	5.00	30,598,418	6.06

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 Kayla Mulvihill

capacity *Authorised Signatory

sign here

date 27 / 12 / 2018

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

27-Dec-18

Kayla Mulvihill,
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
01-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.56	AUD	ord	1,662	1,662
01-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.56	AUD	ord	2,731	2,731
01-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	3.59	AUD	ord	-73,447	-73,447
01-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.59	AUD	ord	26,218	26,218
01-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord	2,927	2,927
01-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord	8,781	8,781
02-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.33	AUD	ord	5,197	5,197
02-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.33	AUD	ord	6,012	6,012
02-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.33	AUD	ord	16,155	16,155
02-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.34	AUD	ord	5,463	5,463
05-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.24	AUD	ord	2,766	2,766
05-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.24	AUD	ord	11,968	11,968
06-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.32	AUD	ord	2,959	2,959
06-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.32	AUD	ord	11,186	11,186
06-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	3.33	AUD	ord	4,323	4,323
06-Nov-18	BlackRock Advisors, LLC	on mkt buy	3.33	AUD	ord	21,176	21,176
06-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.33	AUD	ord	32,561	32,561
06-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.33	AUD	ord	10,712	10,712
06-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.33	AUD	ord	15,804	15,804
06-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.33	AUD	ord	60,830	60,830
06-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.33	AUD	ord	13,006	13,006
06-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.33	AUD	ord	27,019	27,019
06-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	3.33	AUD	ord	18,267	18,267
06-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.33	AUD	ord	36,263	36,263
06-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.33	AUD	ord	20,254	20,254
07-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.27	AUD	ord	7,523	7,523
07-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.27	AUD	ord	7,841	7,841
07-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.26	AUD	ord	10,035	10,035
07-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.26	AUD	ord	96,040	96,040
07-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.26	AUD	ord	6,287	6,287
07-Nov-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	-1,839	-1,839
07-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord	5,854	5,854
08-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	3.34	AUD	ord	-9,546	-9,546
08-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.34	AUD	ord	2,777	2,777
08-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.34	AUD	ord	5,964	5,964
08-Nov-18	BlackRock Advisors, LLC	on mkt buy	3.34	AUD	ord	9,232	9,232
08-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.34	AUD	ord	34,055	34,055

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-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	3.34	AUD	ord	9,705	9,705
08-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.34	AUD	ord	19,402	19,402
08-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.34	AUD	ord	12,397	12,397
08-Nov-18	BlackRock Advisors, LLC	on mkt sell	3.33	AUD	ord	-4,337	-4,337
08-Nov-18	BlackRock Investment Management, LLC	on mkt sell	3.33	AUD	ord	-11,947	-11,947
08-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord	8,781	8,781
08-Nov-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	-142,966	-142,966
09-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.19	AUD	ord	2,750	2,750
09-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.18	AUD	ord	46,166	46,166
09-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord	3,200	3,200
09-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,600	1,600
12-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.17	AUD	ord	3,188	3,188
12-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.17	AUD	ord	16,620	16,620
12-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	3.17	AUD	ord	-75,584	-75,584
12-Nov-18	BlackRock Investment Management, LLC	on mkt buy	3.15	AUD	ord	5,746	5,746
13-Nov-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	21,410	21,410
13-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	3.10	AUD	ord	-8,059	-8,059
13-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.11	AUD	ord	10,958	10,958
13-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.11	AUD	ord	17,016	17,016
13-Nov-18	BlackRock Advisors, LLC	on mkt buy	3.11	AUD	ord	15,669	15,669
13-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.11	AUD	ord	12,539	12,539
13-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.11	AUD	ord	76,611	76,611
13-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.11	AUD	ord	11,172	11,172
13-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	3.11	AUD	ord	16,885	16,885
13-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.11	AUD	ord	73,622	73,622
13-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.11	AUD	ord	19,683	19,683
14-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.11	AUD	ord	13,211	13,211
14-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.11	AUD	ord	15,890	15,890
14-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.11	AUD	ord	21,123	21,123
14-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.11	AUD	ord	29,476	29,476
14-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.11	AUD	ord	19,670	19,670
14-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.11	AUD	ord	51,371	51,371
14-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.11	AUD	ord	24,016	24,016
14-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.11	AUD	ord	29,732	29,732
14-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	3.07	AUD	ord	-3,630	-3,630
14-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	3.07	AUD	ord	619	619
14-Nov-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	1,839	1,839
15-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.09	AUD	ord	3,129	3,129
15-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.09	AUD	ord	7,829	7,829
15-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.09	AUD	ord	12,028	12,028
15-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.09	AUD	ord	7,604	7,604
15-Nov-18	BlackRock Advisors, LLC	on mkt buy	3.09	AUD	ord	22,044	22,044
15-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.09	AUD	ord	34,828	34,828
15-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.09	AUD	ord	12,053	12,053

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-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.09	AUD	ord	25,184	25,184
15-Nov-18	BlackRock Advisors, LLC	on mkt buy	3.09	AUD	ord	6,559	6,559
15-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.09	AUD	ord	58,981	58,981
15-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.09	AUD	ord	14,937	14,937
15-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	3.09	AUD	ord	3,079	3,079
15-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.09	AUD	ord	31,679	31,679
15-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	3.09	AUD	ord	7,267	7,267
15-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	3.09	AUD	ord	5,835	5,835
15-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.09	AUD	ord	6,237	6,237
15-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	3.09	AUD	ord	18,517	18,517
15-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.09	AUD	ord	47,593	47,593
15-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.09	AUD	ord	26,328	26,328
15-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.08	AUD	ord	5,463	5,463
16-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.08	AUD	ord	6,876	6,876
16-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.08	AUD	ord	13,056	13,056
16-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord	4,160	4,160
16-Nov-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	-15,576	-15,576
16-Nov-18	BlackRock Advisors, LLC	in specie	n/a	AUD	ord	15,576	15,576
19-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	9,697	9,697
19-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	13,583	13,583
19-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.98	AUD	ord	619	619
19-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,600	1,600
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.96	AUD	ord	28,663	28,663
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.96	AUD	ord	9,003	9,003
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	6,177	6,177
20-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.00	AUD	ord	6,892	6,892
20-Nov-18	BlackRock Investment Management, LLC	on mkt buy	3.00	AUD	ord	17,143	17,143
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	14,298	14,298
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	10,518	10,518
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	1,218	1,218
20-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	3.00	AUD	ord	12,491	12,491
20-Nov-18	BlackRock Advisors, LLC	on mkt buy	3.00	AUD	ord	7,442	7,442
20-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	3.00	AUD	ord	6,021	6,021
20-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.00	AUD	ord	25,567	25,567
20-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.00	AUD	ord	8,750	8,750
20-Nov-18	BlackRock International Limited	on mkt buy	3.00	AUD	ord	15,018	15,018
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	51,019	51,019
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	7,210	7,210
20-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.00	AUD	ord	22,678	22,678
20-Nov-18	BlackRock Advisors, LLC	on mkt buy	3.00	AUD	ord	9,304	9,304
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	93,668	93,668
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	25,256	25,256
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	22,722	22,722
20-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	3.00	AUD	ord	22,849	22,849
20-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	3.00	AUD	ord	18,177	18,177
20-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	3.00	AUD	ord	9,148	9,148
20-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	3.00	AUD	ord	27,936	27,936

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.00	AUD	ord	72,441	72,441
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	1,205	1,205
20-Nov-18	BlackRock Investment Management, LLC	on mkt buy	2.92	AUD	ord	3,343	3,343
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	2,788	2,788
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	2,051	2,051
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	238	238
20-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.92	AUD	ord	2,436	2,436
20-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.92	AUD	ord	1,451	1,451
20-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	2.92	AUD	ord	1,174	1,174
20-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.92	AUD	ord	4,985	4,985
20-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.92	AUD	ord	1,706	1,706
20-Nov-18	BlackRock International Limited	on mkt buy	2.92	AUD	ord	2,928	2,928
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	9,949	9,949
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	1,406	1,406
20-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.92	AUD	ord	4,422	4,422
20-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.92	AUD	ord	1,814	1,814
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	18,265	18,265
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	4,925	4,925
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	4,431	4,431
20-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.92	AUD	ord	4,456	4,456
20-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.92	AUD	ord	3,545	3,545
20-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.92	AUD	ord	1,784	1,784
20-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	2.92	AUD	ord	5,448	5,448
20-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	14,126	14,126
20-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord	-19,425	-19,425
21-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.92	AUD	ord	37,058	37,058
21-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	22,785	22,785
21-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	6,036	6,036
21-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.92	AUD	ord	3,500	3,500
21-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.92	AUD	ord	7,158	7,158
21-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.92	AUD	ord	13,665	13,665
21-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.92	AUD	ord	33,181	33,181
21-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.91	AUD	ord	22,482	22,482
21-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord	1,545	1,545
21-Nov-18	BlackRock Investment Management (UK) Limited	in specie	n/a	AUD	ord	-13,153	-13,153
21-Nov-18	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	-10,792	-10,792
21-Nov-18	BlackRock Advisors (UK) Limited	in specie	n/a	AUD	ord	-6,200	-6,200
22-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	24,653	24,653
22-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	6,724	6,724
22-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.92	AUD	ord	4,381	4,381
22-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	2.91	AUD	ord	-3,760	-3,760
22-Nov-18	BlackRock Fund Advisors	on mkt buy	2.91	AUD	ord	11,544	11,544
23-Nov-18	BlackRock Institutional Trust Company, National Association	in specie	n/a	AUD	ord	-23,582	-23,582
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.91	AUD	ord	15,207	15,207
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.91	AUD	ord	4,505	4,505
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	3,275	3,275
27-Nov-18	BlackRock Investment Management, LLC	on mkt buy	2.92	AUD	ord	8,330	8,330

Date of Change	Person whose relevant interest changed	Nature of change (6) / Consideration given in relation to change (7)		CCY	Class and number of securities affected		Person's votes affected
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	4,879	4,879
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.92	AUD	ord	7,506	7,506
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.92	AUD	ord	8,987	8,987
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.92	AUD	ord	2,982	2,982
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.92	AUD	ord	3,471	3,471
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.92	AUD	ord	5,136	5,136
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.92	AUD	ord	4,558	4,558
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.92	AUD	ord	24,171	24,171
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.92	AUD	ord	5,569	5,569
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.92	AUD	ord	1,822	1,822
27-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	2.92	AUD	ord	3,531	3,531
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.92	AUD	ord	22,797	22,797
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.92	AUD	ord	7,888	7,888
27-Nov-18	BlackRock Investment Management, LLC	on mkt buy	2.92	AUD	ord	1,779	1,779
27-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	2.92	AUD	ord	2,449	2,449
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	46,111	46,111
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	4,149	4,149
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.92	AUD	ord	15,171	15,171
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.92	AUD	ord	5,903	5,903
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	60,868	60,868
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	16,241	16,241
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	19,886	19,886
27-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	2.92	AUD	ord	3,785	3,785
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.92	AUD	ord	13,880	13,880
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.92	AUD	ord	11,028	11,028
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.92	AUD	ord	4,383	4,383
27-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	2.92	AUD	ord	18,502	18,502
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	50,377	50,377
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	18,420	18,420
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.92	AUD	ord	514	514
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.95	AUD	ord	9,555	9,555
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.95	AUD	ord	27,494	27,494
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.94	AUD	ord	36,704	36,704
27-Nov-18	BlackRock International Limited	on mkt buy	2.95	AUD	ord	34,363	34,363
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	7,081	7,081
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	2,097	2,097
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	2,504	2,504
27-Nov-18	BlackRock Investment Management, LLC	on mkt buy	2.97	AUD	ord	6,371	6,371
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	3,730	3,730
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	392	392
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.97	AUD	ord	5,740	5,740
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.97	AUD	ord	6,873	6,873
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.97	AUD	ord	2,279	2,279
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.97	AUD	ord	2,653	2,653
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.97	AUD	ord	3,927	3,927
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.97	AUD	ord	3,485	3,485
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.97	AUD	ord	16,319	16,319
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.97	AUD	ord	3,759	3,759
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.97	AUD	ord	1,393	1,393
27-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	2.97	AUD	ord	2,699	2,699
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.97	AUD	ord	15,391	15,391

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27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.97	AUD	ord	5,326	5,326
27-Nov-18	BlackRock Investment Management, LLC	on mkt buy	2.97	AUD	ord	1,200	1,200
27-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	2.97	AUD	ord	1,653	1,653
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	35,262	35,262
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	3,172	3,172
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.97	AUD	ord	11,601	11,601
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.97	AUD	ord	3,985	3,985
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	41,095	41,095
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	10,965	10,965
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	15,208	15,208
27-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	2.97	AUD	ord	2,894	2,894
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.97	AUD	ord	10,614	10,614
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.97	AUD	ord	8,433	8,433
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.97	AUD	ord	2,959	2,959
27-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	2.97	AUD	ord	12,492	12,492
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	34,012	34,012
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	12,436	12,436
27-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.96	AUD	ord	6,070	6,070
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	10,933	10,933
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	3,239	3,239
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	3,866	3,866
27-Nov-18	BlackRock Investment Management, LLC	on mkt buy	2.97	AUD	ord	9,836	9,836
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	5,761	5,761
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	606	606
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.97	AUD	ord	8,863	8,863
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.97	AUD	ord	10,611	10,611
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.97	AUD	ord	3,520	3,520
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.97	AUD	ord	4,098	4,098
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.97	AUD	ord	6,063	6,063
27-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.97	AUD	ord	5,382	5,382
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.97	AUD	ord	25,195	25,195
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.97	AUD	ord	5,805	5,805
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.97	AUD	ord	2,152	2,152
27-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	2.97	AUD	ord	4,168	4,168
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.97	AUD	ord	23,763	23,763
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.97	AUD	ord	8,223	8,223
27-Nov-18	BlackRock Investment Management, LLC	on mkt buy	2.97	AUD	ord	1,854	1,854
27-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	2.97	AUD	ord	2,553	2,553
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	54,442	54,442
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	4,898	4,898
27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.97	AUD	ord	17,912	17,912
27-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.97	AUD	ord	6,154	6,154
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	63,446	63,446
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	16,929	16,929
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord	23,480	23,480
27-Nov-18	BlackRock Investment Management (UK) Limited	on mkt buy	2.97	AUD	ord	4,469	4,469
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.97	AUD	ord	16,388	16,388
27-Nov-18	BlackRock Advisors (UK) Limited	on mkt buy	2.97	AUD	ord	13,020	13,020

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27-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.97	AUD	ord 4,570	4,570
27-Nov-18	BlackRock Asset Management Canada Limited	on mkt buy	2.97	AUD	ord 19,287	19,287
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord 52,511	52,511
27-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord 19,201	19,201
27-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord 1,280	1,280
28-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 26,827	26,827
28-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 5,345	5,345
28-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.02	AUD	ord 4,759	4,759
28-Nov-18	BlackRock Advisors, LLC	on mkt buy	3.02	AUD	ord 3,574	3,574
28-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.02	AUD	ord 8,370	8,370
28-Nov-18	BlackRock Investment Management, LLC	on mkt buy	3.02	AUD	ord 15,210	15,210
28-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.02	AUD	ord 22,025	22,025
28-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.02	AUD	ord 6,860	6,860
28-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.02	AUD	ord 23,974	23,974
28-Nov-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord 3,040	3,040
29-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.06	AUD	ord 5,153	5,153
29-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	3.05	AUD	ord -16,739	-16,739
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.99	AUD	ord 6,210	6,210
30-Nov-18	BlackRock Investment Management, LLC	on mkt buy	2.99	AUD	ord 7,707	7,707
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.99	AUD	ord 8,417	8,417
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.99	AUD	ord 5,148	5,148
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.99	AUD	ord 4,383	4,383
30-Nov-18	BlackRock Advisors, LLC	on mkt buy	2.99	AUD	ord 7,893	7,893
30-Nov-18	BlackRock Financial Management, Inc.	on mkt buy	2.99	AUD	ord 20,201	20,201
30-Nov-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.99	AUD	ord 14,252	14,252
30-Nov-18	BlackRock Japan Co., Ltd.	on mkt buy	2.99	AUD	ord 13,671	13,671
30-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	3.00	AUD	ord -1,594	-1,594
30-Nov-18	BlackRock Investment Management (Australia) Limited	on mkt sell	3.00	AUD	ord -1,386	-1,386
03-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.04	AUD	ord 8,106	8,106
03-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt sell	3.04	AUD	ord -91,367	-91,367
03-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.05	AUD	ord 1,915	1,915
03-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	3.05	AUD	ord 35,023	35,023
04-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt sell	3.00	AUD	ord -13,144	-13,144
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.06	AUD	ord 3,909	3,909
04-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	2.98	AUD	ord 18,670	18,670
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 11,318	11,318
04-Dec-18	BlackRock Investment Management, LLC	on mkt buy	3.01	AUD	ord 12,130	12,130
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 11,338	11,338
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 1,298	1,298
04-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	3.01	AUD	ord 12,089	12,089
04-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	3.01	AUD	ord 11,292	11,292
04-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	3.01	AUD	ord 5,309	5,309
04-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	3.01	AUD	ord 5,650	5,650
04-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	3.01	AUD	ord 7,202	7,202
04-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	3.01	AUD	ord 5,861	5,861
04-Dec-18	BlackRock Advisors, LLC	on mkt buy	3.01	AUD	ord 32,309	32,309
04-Dec-18	BlackRock Advisors, LLC	on mkt buy	3.01	AUD	ord 8,792	8,792
04-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	3.01	AUD	ord 39,701	39,701
04-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	3.01	AUD	ord 18,630	18,630

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04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 56,887	56,887
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 5,607	5,607
04-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	3.01	AUD	ord 20,022	20,022
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 74,765	74,765
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 20,980	20,980
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 35,342	35,342
04-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	3.01	AUD	ord 24,175	24,175
04-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	3.01	AUD	ord 19,125	19,125
04-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	3.01	AUD	ord 10,062	10,062
04-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	3.01	AUD	ord 23,092	23,092
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 59,934	59,934
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	3.01	AUD	ord 24,863	24,863
04-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.98	AUD	ord 13,624	13,624
04-Dec-18	BlackRock International Limited	on mkt buy	2.98	AUD	ord 16,918	16,918
04-Dec-18	BlackRock Advisors, LLC	on mkt sell	2.95	AUD	ord -4,884	-4,884
05-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.94	AUD	ord 3,592	3,592
05-Dec-18	BlackRock Advisors, LLC	on mkt sell	2.99	AUD	ord -13,612	-13,612
06-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt sell	2.99	AUD	ord -3,977	-3,977
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.99	AUD	ord 6,226	6,226
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.99	AUD	ord 4,601	4,601
06-Dec-18	BlackRock Advisors, LLC	on mkt buy	2.99	AUD	ord 5,165	5,165
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.99	AUD	ord 40,197	40,197
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.99	AUD	ord 12,855	12,855
06-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	2.99	AUD	ord 15,868	15,868
06-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	2.99	AUD	ord 12,223	12,223
06-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	2.99	AUD	ord 5,500	5,500
06-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	2.99	AUD	ord 11,578	11,578
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.99	AUD	ord 32,251	32,251
06-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.99	AUD	ord 14,720	14,720
06-Dec-18	BlackRock International Limited	on mkt buy	2.99	AUD	ord 15,279	15,279
07-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.97	AUD	ord 3,479	3,479
07-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	2.97	AUD	ord -3,883	-3,883
07-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.97	AUD	ord 3,708	3,708
10-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.82	AUD	ord 1,760	1,760
10-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.77	AUD	ord 3,035	3,035
10-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	2.77	AUD	ord 619	619
10-Dec-18	BlackRock Advisors, LLC	on mkt sell	2.77	AUD	ord -10,160	-10,160
10-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord 1,767	1,767
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.78	AUD	ord 2,249	2,249
11-Dec-18	BlackRock Investment Management, LLC	on mkt buy	2.76	AUD	ord 6,501	6,501
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.76	AUD	ord 5,067	5,067
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	2.76	AUD	ord 12,759	12,759
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	2.76	AUD	ord 4,918	4,918
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	2.76	AUD	ord 7,834	7,834
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	2.76	AUD	ord 5,947	5,947
11-Dec-18	BlackRock Advisors, LLC	on mkt buy	2.76	AUD	ord 10,329	10,329
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.76	AUD	ord 35,757	35,757
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.76	AUD	ord 17,289	17,289
11-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	2.76	AUD	ord 17,102	17,102
11-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	2.76	AUD	ord 13,358	13,358

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11-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	2.76	AUD	ord 4,918	4,918
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.76	AUD	ord 14,156	14,156
11-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.76	AUD	ord 13,571	13,571
11-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	2.76	AUD	ord 19,008	19,008
11-Dec-18	BlackRock International Limited	on mkt buy	2.76	AUD	ord 14,916	14,916
11-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.76	AUD	ord 6,070	6,070
11-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord 16,650	16,650
11-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord 5,550	5,550
12-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.77	AUD	ord 2,939	2,939
12-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.77	AUD	ord 86,102	86,102
12-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	2.77	AUD	ord 619	619
13-Dec-18	BlackRock Japan Co., Ltd.	on mkt buy	2.81	AUD	ord 12,731	12,731
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.81	AUD	ord 10,392	10,392
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.81	AUD	ord 3,308	3,308
13-Dec-18	BlackRock Investment Management, LLC	on mkt buy	2.81	AUD	ord 7,978	7,978
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.81	AUD	ord 6,312	6,312
13-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.81	AUD	ord 7,764	7,764
13-Dec-18	BlackRock Advisors, LLC	on mkt buy	2.81	AUD	ord 18,460	18,460
13-Dec-18	BlackRock Advisors, LLC	on mkt buy	2.81	AUD	ord 8,528	8,528
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.81	AUD	ord 38,925	38,925
13-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	2.81	AUD	ord 13,437	13,437
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.81	AUD	ord 35,624	35,624
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.81	AUD	ord 11,420	11,420
13-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	2.81	AUD	ord 12,666	12,666
13-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	2.81	AUD	ord 9,932	9,932
13-Dec-18	BlackRock Financial Management, Inc.	on mkt buy	2.81	AUD	ord 4,995	4,995
13-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	2.81	AUD	ord 8,265	8,265
13-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.81	AUD	ord 25,725	25,725
13-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	2.81	AUD	ord 1,238	1,238
13-Dec-18	BlackRock Investment Management (Australia) Limited	in specie	n/a	AUD	ord -9,931	-9,931
14-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.69	AUD	ord 1,096	1,096
17-Dec-18	BlackRock Asset Management Canada Limited	on mkt buy	2.69	AUD	ord 51,500	51,500
17-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord 3,534	3,534
17-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord 11,100	11,100
17-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord 8,781	8,781
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt sell	2.76	AUD	ord -675	-675
18-Dec-18	BlackRock Investment Management, LLC	on mkt buy	2.79	AUD	ord 6,904	6,904
18-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.75	AUD	ord 13,229	13,229
18-Dec-18	BlackRock Institutional Trust Company, National Association	on mkt buy	2.79	AUD	ord 7,860	7,860
18-Dec-18	BlackRock Advisors (UK) Limited	on mkt buy	2.82	AUD	ord 619	619
19-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.85	AUD	ord 11,160	11,160
19-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.85	AUD	ord 15,430	15,430
19-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.85	AUD	ord 36,122	36,122
20-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.78	AUD	ord 66,727	66,727
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.72	AUD	ord 31,563	31,563
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.71	AUD	ord 289,378	289,378
21-Dec-18	BlackRock Investment Management (Australia) Limited	on mkt buy	2.71	AUD	ord 15,867	15,867
21-Dec-18	BlackRock Fund Advisors	in specie	n/a	AUD	ord 8,560	8,560

27-Dec-18

Kayla Mulvihill,
Authorised Signatory

Date

4. Details of present registered holders

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	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 65,533	65,533	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 772,982	772,982	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 347,331	347,331	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 42,726	42,726	Subsidiary of BlackRock, Inc.
BlackRock Advisors (UK) Limited	STATE STREET BANK, MUNICH, ZURICH BRANCH		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 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 98,190	98,190	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 415,702	415,702	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 72,211	72,211	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 338,742	338,742	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 103,671	103,671	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.
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 522,045	522,045	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 25,037	25,037	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.	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 929,600	929,600	Subsidiary of BlackRock, Inc.

Holder of Relevant Interests	Registered Holder of Securities	Person entitled to be registered as holder (8)	Nature of Relevant Interest (6)	Class and number of Securities	Person's votes	Nature of Association
BlackRock Fund Advisors	SSB-STATE STREET 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 97,240	97,240	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 4,727,439	4,727,439	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 678,380	678,380	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 389,763	389,763	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 200,548	200,548	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 46,197	46,197	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	GS-GOLDMAN SACHS 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 12,376	12,376	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 6,045,463	6,045,463	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 127,319	127,319	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 37,641	37,641	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 975,123	975,123	Subsidiary of BlackRock, Inc.
BlackRock Institutional Trust Company, National Association	SSB-STATE STREET BANK, BOSTON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 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 366,174	366,174	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 136,831	136,831	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	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 81,647	81,647	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 440,978	440,978	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 1,612,428	1,612,428	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	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	2,936,167	2,936,167	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	398,034	398,034	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	1,311,079	1,311,079	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BANK OF NY BRUS		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord	165,447	165,447	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	224,701	224,701	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	BNYM-BONY LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord	8,354	8,354	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	22,785	22,785	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	218,844	218,844	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	JPM-JPM CHASE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord	33,816	33,816	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-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	3,079	3,079	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (UK) Limited	SSB-STATE STREET BANK LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord	2,840	2,840	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	71,484	71,484	Subsidiary of BlackRock, Inc.
BlackRock Investment Management, LLC	BNYM-BONY LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord	219,295	219,295	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.
BlackRock Investment Management, LLC	JPM-JPM CHASE - LONDON		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord	6,867	6,867	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	SSB-STATE STREET BANK LUXEMBOURG		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord	129,348	129,348	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	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 47,229	47,229	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	JPM-JP MORGAN CHASE - NEW YORK		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	ord 40,716	40,716	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 246,208	246,208	Subsidiary of BlackRock, Inc.
BlackRock Japan Co., Ltd.	MITSUMI-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 106,834	106,834	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 434,576	434,576	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 472,683	472,683	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	Northern Trust Singapore		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	ord 85,645	85,645	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 184,836	184,836	Subsidiary of BlackRock, Inc.
BlackRock Investment Management (Australia) Limited	JPM-JPM CHASE - SYDNEY		Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.	ord 2,560,184	2,560,184	Subsidiary of BlackRock, Inc.

Annexure C

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

<u>Kayla Mulvihill,</u> Authorised Signatory	<u>27-Dec-18</u> Date
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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 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)