

**Form 603**  
Corporations Act 2001  
Section 671B

**Notice of initial substantial holder**

To Company Name/Scheme Origin Energy Limited  
ACN/ARSN 000 051 696

**1. Details of substantial holder (1)**

Name Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those listed in Annexure A)  
ACN/ARSN (if applicable) N/A  
The holder became a substantial holder on 23 November 2021

**2. Details of 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 on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
<b>Ordinary</b>	<b>88,063,258</b>	<b>88,063,258</b>	<b>5.0002%</b>

**3. Details of relevant interests**

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
<b>Vanguard Group</b>	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	<b>Ordinary – 88,063,258</b>

**4. Details of present registered holders**

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
<b>Vanguard Group</b>	<b>Brown Brothers Harriman</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 5,383,914</b>
<b>Vanguard Group</b>	<b>BNY Mellon</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 5,687,112</b>
<b>Vanguard Group</b>	<b>CitiBank N.A.</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 42,472</b>
<b>Vanguard Group</b>	<b>JP Morgan Chase Bank, N.A.</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 61,711,434</b>
<b>Vanguard Group</b>	<b>State Street Bank and Trust Company</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 13,585,136</b>
<b>Vanguard Group</b>	<b>Various others</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 1,653,190</b>

**5. Consideration**

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)	Class and number of securities
See Annexure A			

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#### 6. Associates

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

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

#### 7. Addresses

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

Name	Address
Vanguard Group	P.O. Box 2600, V26 Valley Forge, PA 19482 USA

print name Shawn Acker capacity Compliance Manager

sign here  date 25 November 2021

## DIRECTIONS

- (1) If there are a number of substantial holders with similar or related 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 7 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 total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an Associate has a relevant interest in.
- (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (7) Include details of:
  - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. 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.
- (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) Details of the consideration must include any and all benefits, moneys and other, that any person from whom a relevant interest has 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 of its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

To Company  
ACN/ARSN

Origin Energy Limited  
000 051 696

Substantial Holder Name  
ACN/ARSN

Vanguard Group  
N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
26-Jul-2021	The Vanguard Group, Inc.	BUY	4.49	Ordinary	37,043	37,043
27-Jul-2021	The Vanguard Group, Inc.	BUY	4.49	Ordinary	60,119	60,119
28-Jul-2021	The Vanguard Group, Inc.	BUY	4.45	Ordinary	8,080	8,080
28-Jul-2021	The Vanguard Group, Inc.	BUY	4.45	Ordinary	8,080	8,080
28-Jul-2021	The Vanguard Group, Inc.	BUY	4.44	Ordinary	9,915	9,915
29-Jul-2021	The Vanguard Group, Inc.	BUY	4.47	Ordinary	14,328	14,328
29-Jul-2021	The Vanguard Group, Inc.	SELL	4.46	Ordinary	(8,183)	(8,183)
30-Jul-2021	The Vanguard Group, Inc.	BUY	4.12	Ordinary	12,120	12,120
30-Jul-2021	The Vanguard Group, Inc.	BUY	4.11	Ordinary	61,399	61,399
30-Jul-2021	The Vanguard Group, Inc.	BUY	4.11	Ordinary	3,307	3,307
2-Aug-2021	The Vanguard Group, Inc.	BUY	4.23	Ordinary	8,955	8,955
3-Aug-2021	The Vanguard Group, Inc.	BUY	4.29	Ordinary	76,564	76,564
3-Aug-2021	The Vanguard Group, Inc.	BUY	4.37	Ordinary	33,611	33,611
5-Aug-2021	The Vanguard Group, Inc.	BUY	4.34	Ordinary	8,676	8,676
6-Aug-2021	The Vanguard Group, Inc.	SELL	4.27	Ordinary	(6,614)	(6,614)
11-Aug-2021	The Vanguard Group, Inc.	BUY	4.42	Ordinary	4,818	4,818
11-Aug-2021	The Vanguard Group, Inc.	BUY	4.42	Ordinary	2,014	2,014
13-Aug-2021	The Vanguard Group, Inc.	BUY	4.46	Ordinary	14,544	14,544
13-Aug-2021	The Vanguard Group, Inc.	BUY	4.46	Ordinary	20,200	20,200
13-Aug-2021	The Vanguard Group, Inc.	BUY	4.46	Ordinary	12,928	12,928
13-Aug-2021	The Vanguard Group, Inc.	BUY	4.46	Ordinary	9,696	9,696
16-Aug-2021	The Vanguard Group, Inc.	BUY	4.35	Ordinary	8,716	8,716
16-Aug-2021	The Vanguard Group, Inc.	BUY	4.35	Ordinary	21,790	21,790
17-Aug-2021	The Vanguard Group, Inc.	BUY	4.26	Ordinary	10,070	10,070
18-Aug-2021	The Vanguard Group, Inc.	BUY	4.33	Ordinary	26,664	26,664
18-Aug-2021	The Vanguard Group, Inc.	BUY	4.35	Ordinary	63,457	63,457
18-Aug-2021	The Vanguard Group, Inc.	SELL	4.37	Ordinary	(878)	(878)
19-Aug-2021	The Vanguard Group, Inc.	BUY	4.19	Ordinary	17,910	17,910
20-Aug-2021	The Vanguard Group, Inc.	BUY	4.35	Ordinary	10,895	10,895
20-Aug-2021	The Vanguard Group, Inc.	BUY	4.33	Ordinary	10,209	10,209
23-Aug-2021	The Vanguard Group, Inc.	BUY	4.28	Ordinary	4,818	4,818
23-Aug-2021	The Vanguard Group, Inc.	BUY	4.28	Ordinary	8,716	8,716
23-Aug-2021	The Vanguard Group, Inc.	BUY	4.28	Ordinary	13,074	13,074
23-Aug-2021	The Vanguard Group, Inc.	BUY	4.28	Ordinary	7,164	7,164
23-Aug-2021	The Vanguard Group, Inc.	BUY	4.28	Ordinary	10,746	10,746
23-Aug-2021	The Vanguard Group, Inc.	BUY	4.28	Ordinary	12,120	12,120
23-Aug-2021	The Vanguard Group, Inc.	BUY	4.28	Ordinary	12,120	12,120
25-Aug-2021	The Vanguard Group, Inc.	BUY	4.44	Ordinary	130,148	130,148
25-Aug-2021	The Vanguard Group, Inc.	BUY	4.50	Ordinary	9,696	9,696
27-Aug-2021	The Vanguard Group, Inc.	BUY	4.56	Ordinary	4,818	4,818
27-Aug-2021	The Vanguard Group, Inc.	BUY	4.56	Ordinary	8,030	8,030
27-Aug-2021	The Vanguard Group, Inc.	BUY	4.56	Ordinary	8,812	8,812
27-Aug-2021	The Vanguard Group, Inc.	BUY	4.56	Ordinary	12,120	12,120
27-Aug-2021	The Vanguard Group, Inc.	BUY	4.49	Ordinary	72,691	72,691
31-Aug-2021	The Vanguard Group, Inc.	SELL	4.45	Ordinary	(31,556)	(31,556)
1-Sep-2021	The Vanguard Group, Inc.	BUY	4.46	Ordinary	31,242	31,242
3-Sep-2021	The Vanguard Group, Inc.	BUY	4.44	Ordinary	3,021	3,021
7-Sep-2021	The Vanguard Group, Inc.	BUY	4.47	Ordinary	873	873
7-Sep-2021	The Vanguard Group, Inc.	BUY	4.47	Ordinary	31,452	31,452
10-Sep-2021	The Vanguard Group, Inc.	BUY	4.46	Ordinary	874	874
10-Sep-2021	The Vanguard Group, Inc.	BUY	4.46	Ordinary	31,674	31,674
13-Sep-2021	The Vanguard Group, Inc.	SELL	4.44	Ordinary	(9,996)	(9,996)
14-Sep-2021	The Vanguard Group, Inc.	BUY	4.55	Ordinary	3,021	3,021
17-Sep-2021	The Vanguard Group, Inc.	SELL	4.39	Ordinary	(186,566)	(186,566)
17-Sep-2021	The Vanguard Group, Inc.	SELL	4.39	Ordinary	(608)	(608)
17-Sep-2021	The Vanguard Group, Inc.	BUY	4.39	Ordinary	948	948
17-Sep-2021	The Vanguard Group, Inc.	SELL	4.39	Ordinary	(9,428)	(9,428)
17-Sep-2021	The Vanguard Group, Inc.	SELL	4.39	Ordinary	(17,271)	(17,271)
17-Sep-2021	The Vanguard Group, Inc.	SELL	4.39	Ordinary	(31,485)	(31,485)
20-Sep-2021	The Vanguard Group, Inc.	BUY	4.24	Ordinary	10,070	10,070
21-Sep-2021	The Vanguard Group, Inc.	BUY	4.36	Ordinary	2,014	2,014

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
23-Sep-2021	The Vanguard Group, Inc.	BUY	4.48	Ordinary	13,680	13,680
23-Sep-2021	The Vanguard Group, Inc.	BUY	4.48	Ordinary	2,014	2,014
24-Sep-2021	The Vanguard Group, Inc.	BUY	4.50	Ordinary	477	477
24-Sep-2021	The Vanguard Group, Inc.	BUY	4.50	Ordinary	38,175	38,175
28-Sep-2021	The Vanguard Group, Inc.	BUY	4.68	Ordinary	2,014	2,014
29-Sep-2021	The Vanguard Group, Inc.	BUY	4.71	Ordinary	138,410	138,410
30-Sep-2021	The Vanguard Group, Inc.	BUY	4.64	Ordinary	36,240	36,240
1-Oct-2021	The Vanguard Group, Inc.	BUY	4.78	Ordinary	4,818	4,818
4-Oct-2021	The Vanguard Group, Inc.	BUY	4.92	Ordinary	29,690	29,690
5-Oct-2021	The Vanguard Group, Inc.	BUY	5.08	Ordinary	2,014	2,014
5-Oct-2021	The Vanguard Group, Inc.	SELL	5.05	Ordinary	(60,771)	(60,771)
6-Oct-2021	The Vanguard Group, Inc.	SELL	5.10	Ordinary	(233)	(233)
6-Oct-2021	The Vanguard Group, Inc.	BUY	5.02	Ordinary	895	895
7-Oct-2021	The Vanguard Group, Inc.	SELL	5.00	Ordinary	(27,001)	(27,001)
8-Oct-2021	The Vanguard Group, Inc.	BUY	5.07	Ordinary	13,590	13,590
11-Oct-2021	The Vanguard Group, Inc.	BUY	5.06	Ordinary	6,424	6,424
13-Oct-2021	The Vanguard Group, Inc.	BUY	5.12	Ordinary	6,424	6,424
13-Oct-2021	The Vanguard Group, Inc.	BUY	5.12	Ordinary	9,060	9,060
13-Oct-2021	The Vanguard Group, Inc.	BUY	5.12	Ordinary	18,120	18,120
13-Oct-2021	The Vanguard Group, Inc.	BUY	5.12	Ordinary	10,830	10,830
13-Oct-2021	The Vanguard Group, Inc.	BUY	5.12	Ordinary	2,008	2,008
15-Oct-2021	The Vanguard Group, Inc.	BUY	5.07	Ordinary	4,818	4,818
15-Oct-2021	The Vanguard Group, Inc.	SELL	5.06	Ordinary	(318)	(318)
19-Oct-2021	The Vanguard Group, Inc.	BUY	5.12	Ordinary	10,830	10,830
19-Oct-2021	The Vanguard Group, Inc.	BUY	5.12	Ordinary	3,012	3,012
19-Oct-2021	The Vanguard Group, Inc.	BUY	5.12	Ordinary	1,004	1,004
19-Oct-2021	The Vanguard Group, Inc.	BUY	5.09	Ordinary	891	891
20-Oct-2021	The Vanguard Group, Inc.	BUY	5.14	Ordinary	2,008	2,008
20-Oct-2021	The Vanguard Group, Inc.	BUY	5.14	Ordinary	2,788	2,788
21-Oct-2021	The Vanguard Group, Inc.	BUY	5.16	Ordinary	8,032	8,032
22-Oct-2021	The Vanguard Group, Inc.	BUY	5.18	Ordinary	2,682	2,682
25-Oct-2021	The Vanguard Group, Inc.	BUY	5.40	Ordinary	13,590	13,590
26-Oct-2021	The Vanguard Group, Inc.	BUY	5.46	Ordinary	51,794	51,794
27-Oct-2021	The Vanguard Group, Inc.	BUY	5.19	Ordinary	7,942	7,942
27-Oct-2021	The Vanguard Group, Inc.	BUY	5.19	Ordinary	14,440	14,440
27-Oct-2021	The Vanguard Group, Inc.	SELL	5.27	Ordinary	(459)	(459)
28-Oct-2021	The Vanguard Group, Inc.	BUY	5.13	Ordinary	6,498	6,498
28-Oct-2021	The Vanguard Group, Inc.	BUY	5.12	Ordinary	887	887
29-Oct-2021	The Vanguard Group, Inc.	SELL	5.09	Ordinary	(9,005)	(9,005)
29-Oct-2021	The Vanguard Group, Inc.	BUY	5.05	Ordinary	892	892
1-Nov-2021	The Vanguard Group, Inc.	BUY	5.14	Ordinary	13,590	13,590
1-Nov-2021	The Vanguard Group, Inc.	BUY	5.14	Ordinary	9,060	9,060
1-Nov-2021	The Vanguard Group, Inc.	BUY	5.14	Ordinary	10,830	10,830
3-Nov-2021	The Vanguard Group, Inc.	BUY	5.05	Ordinary	11,325	11,325
5-Nov-2021	The Vanguard Group, Inc.	BUY	5.05	Ordinary	61,852	61,852
5-Nov-2021	The Vanguard Group, Inc.	BUY	5.07	Ordinary	11,552	11,552
5-Nov-2021	The Vanguard Group, Inc.	BUY	5.06	Ordinary	5,966	5,966
8-Nov-2021	The Vanguard Group, Inc.	BUY	5.07	Ordinary	13,590	13,590
8-Nov-2021	The Vanguard Group, Inc.	BUY	5.07	Ordinary	24,915	24,915
8-Nov-2021	The Vanguard Group, Inc.	BUY	5.07	Ordinary	10,830	10,830
9-Nov-2021	The Vanguard Group, Inc.	BUY	5.01	Ordinary	57,008	57,008
10-Nov-2021	The Vanguard Group, Inc.	SELL	5.04	Ordinary	(300)	(300)
10-Nov-2021	The Vanguard Group, Inc.	BUY	4.99	Ordinary	2,979	2,979
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	4,818	4,818
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	18,120	18,120
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	9,060	9,060
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	12,607	12,607
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	32,418	32,418
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	5,403	5,403
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	16,209	16,209
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	14,440	14,440
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	1,986	1,986
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	1,986	1,986
11-Nov-2021	The Vanguard Group, Inc.	BUY	4.93	Ordinary	30,427	30,427
12-Nov-2021	The Vanguard Group, Inc.	BUY	4.97	Ordinary	75,791	75,791
12-Nov-2021	The Vanguard Group, Inc.	BUY	4.95	Ordinary	7,220	7,220
12-Nov-2021	The Vanguard Group, Inc.	SELL	4.93	Ordinary	(738)	(738)
17-Nov-2021	The Vanguard Group, Inc.	BUY	5.04	Ordinary	880	880

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
19-Nov-2021	The Vanguard Group, Inc.	BUY	4.97	Ordinary	11,325	11,325
19-Nov-2021	The Vanguard Group, Inc.	BUY	5.00	Ordinary	68,182	68,182
19-Nov-2021	The Vanguard Group, Inc.	BUY	5.00	Ordinary	27,651	27,651
23-Nov-2021	The Vanguard Group, Inc.	BUY	3.70	Ordinary	9,060	9,060
23-Jul-2021	Vanguard Investments Australia Ltd.	BUY	4.53	Ordinary	17,868	17,868
26-Jul-2021	Vanguard Investments Australia Ltd.	SELL	4.47	Ordinary	(20,068)	(20,068)
27-Jul-2021	Vanguard Investments Australia Ltd.	IN SPECIE	4.50	Ordinary	(1,585,974)	(1,585,974)
3-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.37	Ordinary	5,399	5,399
3-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.37	Ordinary	20,650	20,650
3-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.37	Ordinary	154,188	154,188
3-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.37	Ordinary	17,971	17,971
6-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.27	Ordinary	12,008	12,008
9-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.29	Ordinary	17,856	17,856
12-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.33	Ordinary	21,493	21,493
16-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.35	Ordinary	30,280	30,280
16-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.35	Ordinary	15,070	15,070
18-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.37	Ordinary	12,128	12,128
18-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.37	Ordinary	30,320	30,320
18-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.37	Ordinary	12,084	12,084
19-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.19	Ordinary	19,773	19,773
20-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.33	Ordinary	7,605	7,605
20-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.33	Ordinary	157,224	157,224
20-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.33	Ordinary	9,066	9,066
24-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.40	Ordinary	9,072	9,072
25-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.51	Ordinary	19,851	19,851
26-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.44	Ordinary	15,310	15,310
26-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.44	Ordinary	16,701	16,701
30-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.51	Ordinary	21,420	21,420
30-Aug-2021	Vanguard Investments Australia Ltd.	BUY	4.51	Ordinary	15,165	15,165
1-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.46	Ordinary	12,152	12,152
1-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.46	Ordinary	19,134	19,134
2-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.42	Ordinary	25,184	25,184
3-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.46	Ordinary	57,921	57,921
6-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.44	Ordinary	18,876	18,876
6-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.44	Ordinary	25,834	25,834
7-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.47	Ordinary	12,280	12,280
8-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.49	Ordinary	47,177	47,177
8-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.49	Ordinary	6,142	6,142
9-Sep-2021	Vanguard Investments Australia Ltd.	SELL	4.34	Ordinary	(8,348)	(8,348)
9-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.34	Ordinary	22,036	22,036
9-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.34	Ordinary	12,284	12,284
15-Sep-2021	Vanguard Investments Australia Ltd.	SELL	4.42	Ordinary	(6,503)	(6,503)
15-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.42	Ordinary	18,996	18,996
15-Sep-2021	Vanguard Investments Australia Ltd.	SELL	4.51	Ordinary	(30,774)	(30,774)
16-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	15,355	15,355
17-Sep-2021	Vanguard Investments Australia Ltd.	SELL	4.39	Ordinary	(3,644)	(3,644)
20-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.30	Ordinary	22,386	22,386
20-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.30	Ordinary	15,345	15,345
21-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.37	Ordinary	9,207	9,207
23-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.48	Ordinary	27,285	27,285
28-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.75	Ordinary	19,272	19,272
29-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.72	Ordinary	8,015	8,015
29-Sep-2021	Vanguard Investments Australia Ltd.	BUY	4.72	Ordinary	27,495	27,495
30-Sep-2021	Vanguard Investments Australia Ltd.	Sell	4.73	Ordinary	(90,082)	(90,082)
1-Oct-2021	Vanguard Investments Australia Ltd.	BUY	4.76	Ordinary	23,550	23,550
1-Oct-2021	Vanguard Investments Australia Ltd.	BUY	4.76	Ordinary	25,120	25,120
4-Oct-2021	Vanguard Investments Australia Ltd.	BUY	4.92	Ordinary	7,850	7,850
7-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.00	Ordinary	15,700	15,700
8-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.07	Ordinary	24,928	24,928
8-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.07	Ordinary	66,667	66,667
12-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.03	Ordinary	18,297	18,297
14-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.05	Ordinary	17,958	17,958
15-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.05	Ordinary	20,254	20,254
18-Oct-2021	Vanguard Investments Australia Ltd.	SELL	5.09	Ordinary	(15,970)	(15,970)
18-Oct-2021	Vanguard Investments Australia Ltd.	SELL	5.09	Ordinary	(28,156)	(28,156)
21-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.18	Ordinary	49,678	49,678
21-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.18	Ordinary	20,449	20,449
22-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.18	Ordinary	17,958	17,958

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
27-Oct-2021	Vanguard Investments Australia Ltd.	IN SPECIE	5.23	Ordinary	(844,844)	(844,844)
27-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.23	Ordinary	38,909	38,909
28-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.12	Ordinary	172,536	172,536
29-Oct-2021	Vanguard Investments Australia Ltd.	BUY	5.05	Ordinary	23,835	23,835
1-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.12	Ordinary	7,960	7,960
2-Nov-2021	Vanguard Investments Australia Ltd.	SELL	5.02	Ordinary	(86,012)	(86,012)
3-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.03	Ordinary	4,506	4,506
3-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.03	Ordinary	14,950	14,950
4-Nov-2021	Vanguard Investments Australia Ltd.	BUY	4.97	Ordinary	19,200	19,200
5-Nov-2021	Vanguard Investments Australia Ltd.	IN SPECIE	5.08	Ordinary	(8,273,031)	(8,273,031)
5-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.06	Ordinary	139,012	139,012
9-Nov-2021	Vanguard Investments Australia Ltd.	BUY	4.99	Ordinary	17,600	17,600
10-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.00	Ordinary	110,895	110,895
10-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.00	Ordinary	18,012	18,012
17-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.04	Ordinary	15,940	15,940
17-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.04	Ordinary	18,042	18,042
18-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.01	Ordinary	4,776	4,776
18-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.01	Ordinary	38,852	38,852
19-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.00	Ordinary	21,112	21,112
23-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	15,790	15,790
23-Nov-2021	Vanguard Investments Australia Ltd.	BUY	5.11	Ordinary	6,316	6,316

This is Annexure A of 4 pages referred to in Form 603, Notice of initial substantial holder.

Signature:



Name: Shawn Acker

Capacity: Compliance Manager

Date: 25 November 2021