

Form 603
Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme WHITEHAVEN COAL LIMITED

ACN/ARSN 124 425 396

1. Details of substantial holder (1)

Name Dimensional Entities

ACN/ARSN (if applicable) See Annexure A

The holder became a substantial holder on 7-July-2022

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)
See Annexure 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 and Nature of relevant interest (7)	Class and number of securities
See Annexure C	

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
See Annexure D			

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
		Cash	Non-cash	
See Annexure E				

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

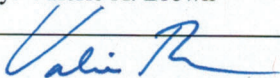
Not Applicable

7. Addresses

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

Name	Address
	See Annexure F

Signature

	Dimensional Fund Advisors LP		
	By: Dimensional Holdings Inc., its General Partner		
print name	By: Valerie A. Brown	capacity	Assistant Secretary and Vice President
sign here		date	11-July-2022

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 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, 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.
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GUIDE

This guide does not form part of the prescribed form and is included by ASIC to assist you in completing and lodging form 603.

Signature

This form must be signed by either a director or a secretary of the substantial holder.

Lodging period

Nil

Lodging Fee

Nil

Other forms to be completed

Nil

Additional information

- (a) If additional space is required to complete a question, the information may be included on a separate piece of paper annexed to the form.
- (b) This notice must be given to a listed company, or the responsible entity for a listed managed investment scheme. A copy of this notice must also be given to each relevant securities exchange.
- (c) The person must give a copy of this notice:
 - (i) within 2 business days after they become aware of the information; or
 - (ii) by 9.30 am on the next trading day of the relevant securities exchange after they become aware of the information if:
 - (A) a takeover bid is made for voting shares in the company or voting interests in the scheme; and
 - (B) the person becomes aware of the information during the bid period.

Annexures

To make any annexure conform to the regulations, you must

- 1 use A4 size paper of white or light pastel colour with a margin of at least 10mm on all sides
- 2 show the corporation name and ACN or ARBN
- 3 number the pages consecutively
- 4 print or type in BLOCK letters in dark blue or black ink so that the document is clearly legible when photocopied
- 5 identify the annexure with a mark such as A, B, C, etc
- 6 endorse the annexure with the words:
This is annexure (mark) of (number) pages referred to in form (form number and title)
- 7 sign and date the annexure

The annexure must be signed by the same person(s) who signed the form.

ANNEXURE A
WHITEHAVEN COAL LIMITED
ACN 124 425 396

1. DETAILS OF SUBSTANTIAL HOLDERS

In this Form 603, references to the "Dimensional Entities" are references to the following persons and entities and their respective associates and related bodies corporate:

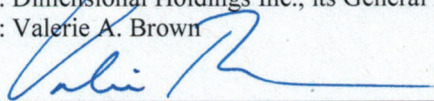
Name	DFA Australia Limited (a subsidiary of Dimensional Fund Advisors LP) ACN 065 937 671
Name	Dimensional Fund Advisors LP
Name	Dimensional Fund Advisors Ltd. (a subsidiary of Dimensional Fund Advisors LP)
Name	Dimensional Ireland Limited (a subsidiary of Dimensional Fund Advisors LP)
Name	Dimensional Fund Advisors Canada ULC (a subsidiary of DFA Canada LLC)
Name	DFA Canada LLC (a subsidiary of Dimensional Fund Advisors LP)
Name	Dimensional Fund Advisors Pte. Ltd. (a subsidiary of Dimensional Advisors Ltd.)
Name	Dimensional Advisors Ltd. (a subsidiary of Dimensional Fund Advisors LP)
Name	Dimensional Holdings Inc. (general partner of Dimensional Fund Advisors LP)
Name	Dimensional Holdings LLC (limited partner of Dimensional Fund Advisors LP)
Name	David Booth
Name	Rex Sinuefield

This is Annexure "A" referred to in Form 603: Notice of Initial Substantial Shareholder

Date: July 11, 2022

Print Name: Dimensional Fund Advisors LP
By: Dimensional Holdings Inc., its General Partner
By: Valerie A. Brown

Signature:



Capacity: Assistant Secretary and Vice President

ANNEXURE B
WHITEHAVEN COAL LIMITED
ACN 124 425 396

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:

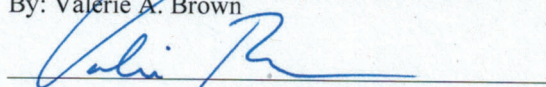
Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
Ordinary fully paid shares	48,633,676	48,633,676	5.08%

This is Annexure "B" referred to in Form 603: Notice of Initial Substantial Shareholder

Date: July 11, 2022

Print Name: Dimensional Fund Advisors LP
By: Dimensional Holdings Inc., its General Partner
By: Valerie A. Brown

Signature:



Capacity: Assistant Secretary and Vice President

ANNEXURE C
WHITEHAVEN COAL LIMITED
ACN 124 425 396

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 and Nature of relevant interest (7)	Holdings (ordinary fully paid shares)
The companies and individuals comprising the Dimensional Entities (as defined above) hold the following relevant interests in ordinary fully paid shares in WHITEHAVEN COAL LTD:	
(a) Registered Schemes	
DFA Australia Limited has the power to exercise, or control the exercise of, voting rights attached to these securities and /or the power to dispose of, or control the exercise of the disposal of these securities as responsible entity of the following registered managed investment schemes:	
Dimensional Australian Core Equity Trust	6,089,544
Dimensional Australian Core Imputation Trust	197,177
Dimensional Australian Large Company Trust	149,423
Dimensional Australian Small Company Trust	1,145,403
Dimensional Australian Value Trust	1,313,123
(b) Institutional Mandates	
DFA Australia Limited has the power to exercise, or control the exercise of, voting rights attached to these securities and /or the power to dispose of, or control the exercise of the disposal of these securities under the following mandates with institutional investors:	
Separate Account advised by DFA Australia Limited	452,014
Separate Account advised by DFA Australia Limited	1,135,608
Separate Account advised by DFA Australia Limited	2,700,793
(c) Other Dimensional Entities Funds and Mandates	
DFA Australia Limited has the power to dispose of, or to control the exercise of the power to dispose of, these securities under sub-advisory agreements and consulting services agreements with other members of the Dimensional Entities in relation to the following mutual funds and mandates:	
Separate Account Advised by Dimensional Fund Advisors LP	159,678
Separate Account Advised by Dimensional Fund Advisors LP	564,643
AZL DFA International Core Equity Fund, a series of Allianz Variable Insurance Products Trust	31,393
DFA International Core Equity Fund of Dimensional Funds	162,719
Separate Account advised by Dimensional Fund Advisors LP	93,464
Dimensional International Core Equity Market ETF of Dimensional ETF Trust	134,489
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	106,919
International Core Equity Portfolio of DFA Investment Dimensions Group Inc.	4,646,331
Dimensional International High Profitability ETF of Dimensional ETF Trust	909
International Vector Equity Portfolio of DFA Investment Dimensions Group Inc.	881,890
Separate Account advised by Dimensional Fund Advisors LP	74,302


Global Core Equity Fund of Dimensional Funds plc	180,747
Global Value Fund of Dimensional Funds plc	108,132
Global Small Companies Fund of Dimensional Funds plc	112,640
Global Targeted Value Fund of Dimensional Funds plc	691,779
VA International Value Portfolio of DFA Investment Dimensions Group Inc.	90,155
World Allocation 60/40 Fund of Dimensional Funds plc	64,152
World Equity Fund of Dimensional Funds plc	100,395
World ex U.S. Core Equity Portfolio of DFA Investment Dimensions Group Inc.	328,931
World ex U.S. Targeted Value Portfolio of DFA Investment Dimensions Group Inc.	224,499
Dimensional International Value of Dimensional ETF Trust ETF	1,128,534
Pacific Basin Small Companies Fund of Dimensional Funds plc	85,701
VA International Small Portfolio of DFA Investment Dimensions Group Inc.	105,831
DFA International Vector Equity Fund of Dimensional Funds	75,290
Separate Account advised by Dimensional Fund Advisors Pte. Ltd.	36,008
International Small Company Fund, a series of John Hancock Funds II	304,589
International Small Company Trust of John Hancock Variable Insurance Trust	44,790
Sub-advised Fund advised by Dimensional Fund Advisors LP	11,493
Large Cap International Portfolio of DFA Investment Dimensions Group Inc.	812,681
LVIP Dimensional International Core Equity Fund, a series of Lincoln Variable Insurance Products Trust	73,441
Separate Account advised by Dimensional Fund Advisors Pte. Ltd.	6,677
Separate Account advised by Dimensional Fund Advisors LP	83,200
Brighthouse/Dimensional International Small Company Portfolio, a series of Brighthouse Funds Trust II	237,257
M International Equity Fund a series of M Funds Inc.	19,506
Nomura DFA International Equity Value Mother Fund	59,265
Separate Account advised by Dimensional Fund Advisors LP	5,255
Separate Account advised by Dimensional Fund Advisors LP	170,825
The Asia Pacific Small Company Series of The DFA Investment Trust Company	5,290,865
SA International Value Fund, a series of SA Funds - Investment Trust	121,581
Separate Account advised by Dimensional Fund Advisors Ltd.	77,856
DFA International Small Cap Value Portfolio of DFA Investment Dimensions Group Inc.	12,373,145
Dimensional World ex U.S. Core Equity 2 ETF of Dimensional ETF Trust	418,626
International Core Equity Fund of Dimensional Funds ICVC	50,508
International Value Fund of Dimensional Funds ICVC	42,959
Separate Account advised by Dimensional Fund Advisors LP	34,368
The DFA International Value Series of The DFA Investment Trust Company	5,022,173
(d) Dimensional Fund Advisors LP and each of its subsidiaries are each deemed to have the same relevant interests in the securities as DFA Australia Limited because Dimensional Fund Advisors LP controls DFA Australia Limited;	
(e) David Booth and Rex Sinquefield are deemed to have the same relevant interests in the securities as Dimensional Fund Advisors LP as they each, individually or through trusts they control, have more than 20% voting power in Dimensional Holdings Inc., the general partner of Dimensional Fund Advisors LP;	

(f) Dimensional Fund Advisors LP and other members of the Dimensional Entities may also have relevant interests in the securities referred to in paragraph (c) above as investment manager or advisor to the mutual funds and mandates referred to in that paragraph.

This is Annexure "C" referred to in Form 603: Notice of Initial Substantial Shareholder

Date: July 11, 2022

Print Name: Dimensional Fund Advisors LP
By: Dimensional Holdings Inc., its General Partner
By: Valerie A. Brown

Signature: 

Capacity: Assistant Secretary and Vice President

ANNEXURE D
WHITEHAVEN COAL LIMITED
ACN 124 425 396

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 Dimensional Entities in respect of	Registered Holder	Person entitled to be registered as holder	Holdings (ordinary fully paid shares)
Dimensional Australian Core Equity Trust	Citicorp Nominees Pty Ltd	N/A	6,089,544
Dimensional Australian Core Imputation Trust	Citicorp Nominees Pty Limited	N/A	197,177
Dimensional Australian Large Company Trust	Citicorp Nominees Pty Ltd	N/A	149,423
Dimensional Australian Small Company Trust	Citicorp Nominees Pty Ltd	N/A	1,145,403
Dimensional Australian Value Trust	Citicorp Nominees Pty Ltd	N/A	1,313,123
Separate Account advised by DFA Australia Limited	NATIONAL AUSTRALIA BANK, LTD.	N/A	452,014
Separate Account advised by DFA Australia Limited	HSBC BANK AUSTRALIA LIMITED	N/A	1,135,608
Separate Account advised by DFA Australia Limited	JPMorgan Nominees Australia Limited	N/A	2,700,793
Separate Account Advised by Dimensional Fund Advisors LP	NATIONAL AUSTRALIA BANK, LTD.	N/A	159,678
Separate Account Advised by Dimensional Fund Advisors LP	NATIONAL AUSTRALIA BANK, LTD.	N/A	564,643
AZL DFA International Core Equity Fund, a series of Allianz Variable Insurance Products Trust	NATIONAL AUSTRALIA BANK, LTD.	N/A	31,393
DFA International Core Equity Fund of Dimensional Funds	The Hongkong and Shanghai Banking Corporation Limited	N/A	162,719
Separate Account advised by Dimensional Fund Advisors LP	NATIONAL AUSTRALIA BANK, LTD.	N/A	93,464
Dimensional International Core Equity Market ETF of Dimensional Funds plc	CITIBANK US	N/A	134,489
Dimensional International Core Equity 2 ETF of Dimensional Funds plc	CITIBANK US	N/A	106,919
International Core Equity Portfolio of DFA Investment Dimensions Group Inc.	Citicorp Nominees Pty Ltd	N/A	4,646,331
Dimensional International High Profitability ETF of Dimensional Funds plc	CITIBANK US	N/A	909
International Vector Equity Portfolio of DFA Investment Dimensions Group Inc.	Citicorp Nominees Pty Ltd	N/A	881,890
Separate Account advised by Dimensional Fund Advisors LP	HSBC BANK AUSTRALIA LIMITED	N/A	74,302

Sensitivity: General Use

Global Core Equity Fund of Dimensional Funds plc	HSBC BANK AUSTRALIA LIMITED	N/A	180,747
Global Value Fund of Dimensional Funds plc	HSBC BANK AUSTRALIA LIMITED	N/A	108,132
Global Small Companies Fund of Dimensional Funds plc	HSBC BANK AUSTRALIA LIMITED	N/A	112,640
Global Targeted Value Fund of Dimensional Funds plc	HSBC BANK AUSTRALIA LIMITED	N/A	691,779
VA International Value Portfolio of DFA Investment Dimensions Group Inc.	Citicorp Nominees Pty Ltd	N/A	90,155
World Allocation 60/40 Fund of Dimensional Funds plc	State Street Bank	N/A	64,152
World Equity Fund of Dimensional Funds plc	State Street Custodial Services (Ireland) Limited	N/A	100,395
World ex U.S. Core Equity Portfolio of DFA Investment Dimensions Group Inc.	Citigroup Pty Limited	N/A	328,931
World ex U.S. Targeted Value Portfolio of DFA Investment Dimensions Group Inc.	Citicorp Nominees Pty Ltd	N/A	224,499
Dimensional International Value of Dimensional ETF Trust	Citicorp Nominees Pty Ltd	N/A	1,128,534
Pacific Basin Small Companies Fund of Dimensional Funds plc	HSBC BANK AUSTRALIA LIMITED	N/A	85,701
VA International Small Portfolio of DFA Investment Dimensions Group Inc.	Citicorp Nominees Pty Ltd	N/A	105,831
DFA International Vector Equity Fund of Dimensional Funds	HSBC BANK AUSTRALIA LIMITED	N/A	75,290
Separate Account advised by Dimensional Fund Advisors Pte. Ltd.	HSBC BANK AUSTRALIA LIMITED	N/A	36,008
International Small Company Fund, a series of John Hancock Funds II	HSBC BANK AUSTRALIA LIMITED	N/A	304,589
International Small Company Trust of John Hancock Variable Insurance Trust	Citigroup Pty Limited	N/A	44,790
Sub-advised Fund advised by Dimensional Fund Advisors LP	CITI Australia	N/A	11,493
Large Cap International Portfolio of DFA Investment Dimensions Group Inc.	Citicorp Nominees Pty Ltd	N/A	812,681
LVIP Dimensional International Core Equity Fund, a series of Lincoln Variable Insurance Products Trust	NATIONAL AUSTRALIA BANK, LTD.	N/A	73,441
Separate Account advised by Dimensional Fund Advisors Pte. Ltd.	BONY MELLON BRUSSELS	N/A	6,677
Separate Account advised by Dimensional Fund Advisors LP	The Hongkong and Shanghai Banking Corporation Ltd.	N/A	83,200
Brighthouse/Dimensional International Small Company Portfolio, a series of Brighthouse Funds Trust II	HSBC BANK AUSTRALIA LIMITED	N/A	237,257
M International Equity Fund a series of M Funds Inc.	HSBC BANK AUSTRALIA LIMITED	N/A	19,506
Nomura DFA International Equity Value Mother Fund	JPMORGAN CHASE AUSTRALIA	N/A	59,265

Sensitivity: General Use

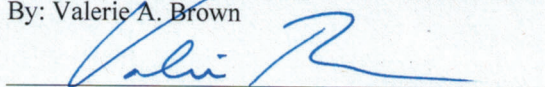
Separate Account advised by Dimensional Fund Advisors LP	HSBC BANK AUSTRALIA LIMITED	N/A	5,255
Separate Account advised by Dimensional Fund Advisors LP	HSBC BANK AUSTRALIA LIMITED	N/A	170,825
The Asia Pacific Small Company Series of The DFA Investment Trust Company	Citicorp Nominees Pty Ltd	N/A	5,290,865
SA International Value Fund, a series of SA Funds - Investment Trust	HSBC BANK AUSTRALIA LIMITED	N/A	121,581
Separate Account advised by Dimensional Fund Advisors Ltd.	NATIONAL AUSTRALIA BANK, LTD.	N/A	77,856
DFA International Small Cap Value Portfolio of DFA Investment Dimensions Group Inc.	Citicorp Nominees Pty Ltd	N/A	12,373,145
Dimensional World ex U.S. Core Equity 2 ETF of Dimensional ETF Trust	Citicorp Nominees Pty Ltd	N/A	418,626
International Core Equity Fund of Dimensional Funds ICVC	Citicorp Nominees Pty Ltd	N/A	50,508
International Value Fund of Dimensional Funds ICVC	Citicorp Nominees Pty Ltd	N/A	42,959
Separate Account advised by Dimensional Fund Advisors LP	The Hongkong and Shanghai Banking Corporation Limited	N/A	34,368
The DFA International Value Series of The DFA Investment Trust Company	Citicorp Nominees Pty Ltd	N/A	5,022,173

This is Annexure "D" referred to in Form 603: Notice of Initial Substantial Shareholder

Date: July 11, 2022

Print Name: Dimensional Fund Advisors LP
By: Dimensional Holdings Inc., its General Partner
By: Valerie A. Brown

Signature:



Capacity: Assistant Secretary and Vice President

ANNEXURE E
WHITEHAVEN COAL LIMITED
ACN 124 425 396

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 Dimensional Entities in respect of	Date of Acquisition	Consideration (9)		Holdings (Ordinary Shares)
		Cash	Non Cash	
Separate Account advised by Dimensional Fund Advisors LP	Jul 7 2022	\$ (30,289.08)	N/A	(6,661)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 29 2022	\$ 8,960.00	N/A	1,792
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 29 2022	\$ 2,240.00	N/A	448
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 29 2022	\$ 6,720.00	N/A	1,344
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 28 2022	\$ 8,896.92	N/A	1,812
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 28 2022	\$ 13,345.38	N/A	2,718
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 28 2022	\$ 2,224.23	N/A	453
Dimensional Australian Large Company Trust	Jun 27 2022	N/A	\$ 319,562.12	66,854
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 27 2022	\$ 27,714.44	N/A	5,798
Global Core Equity Fund of Dimensional Funds plc	Jun 27 2022	N/A	\$ (319,562.12)	(66,854)
Dimensional Australian Large Company Trust	Jun 27 2022	\$ 386,475.86	N/A	82,569
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 23 2022	\$ 4,112.12	N/A	892
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 23 2022	\$ 14,392.42	N/A	3,122
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 23 2022	\$ 8,224.24	N/A	1,784
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 23 2022	\$ 2,056.06	N/A	446
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 21 2022	\$ 18,756.72	N/A	3,924
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 21 2022	\$ 2,084.08	N/A	436
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 17 2022	\$ 4,370.00	N/A	874
Separate Account advised by DFA Australia Limited	Jun 17 2022	\$ (918,564.58)	N/A	(180,815)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 15 2022	\$ 6,668.55	N/A	1,305
Dimensional International Core Equity 2 ETF of	Jun 15 2022	\$	N/A	

Sensitivity: General Use

Dimensional ETF Trust		6,668.55		1,305
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 15 2022	\$ 13,337.10	N/A	2,610
Dimensional International Value of Dimensional ETF Trust	Jun 14 2022	\$ 50,884.47	N/A	9,919
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 14 2022	\$ 8,844.12	N/A	1,724
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 10 2022	\$ 18,924.96	N/A	3,544
Dimensional International Value of Dimensional ETF Trust	Jun 10 2022	\$ 54,724.32	N/A	10,248
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 9 2022	\$ 7,368.42	N/A	1,362
World ex U.S. Targeted Value Portfolio of DFA Investment Dimensions Group Inc.	Jun 9 2022	\$ (45,926.78)	N/A	(8,451)
Global Value Fund of Dimensional Funds plc	Jun 8 2022	\$ 163,764.95	N/A	29,705
Dimensional International Value of Dimensional ETF Trust	Jun 8 2022	\$ 28,837.44	N/A	5,301
Dimensional International Value of Dimensional ETF Trust	Jun 8 2022	\$ 9,612.48	N/A	1,767
Dimensional International Value of Dimensional ETF Trust	Jun 7 2022	\$ 96,855.40	N/A	17,870
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 7 2022	\$ 9,517.52	N/A	1,756
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 7 2022	\$ 4,758.76	N/A	878
Dimensional International Value of Dimensional ETF Trust	Jun 7 2022	\$ 19,371.08	N/A	3,574
VA International Value Portfolio of DFA Investment Dimensions Group Inc.	Jun 3 2022	N/A	\$ 54,922.32	10,152
Separate Account advised by DFA Australia Limited	Jun 3 2022	\$ (46,131.70)	N/A	(8,596)
Separate Account advised by Dimensional Fund Advisors LP	Jun 3 2022	N/A	\$ (234,734.49)	(43,389)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 3 2022	\$ 11,902.00	N/A	2,200
Separate Account advised by DFA Australia Limited	Jun 3 2022	N/A	\$ (54,922.32)	(10,152)
Separate Account advised by DFA Australia Limited	Jun 2 2022	\$ (256,380.72)	N/A	(48,777)
Dimensional International Value of Dimensional ETF Trust	Jun 2 2022	\$ 67,144.00	N/A	12,320
Separate Account advised by DFA Australia Limited	Jun 1 2022	\$ (777,504.52)	N/A	(146,966)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Jun 1 2022	\$ 8,999.04	N/A	1,744
Separate Account advised by DFA Australia Limited	Jun 1 2022	\$ (29,472.65)	N/A	(5,571)
Separate Account advised by DFA Australia Limited	May 31 2022	\$ (259,883.30)	N/A	(49,810)
Separate Account advised by DFA Australia Limited	May 31 2022	\$ (759,906.07)	N/A	(145,657)
Separate Account advised by DFA Australia Limited	May 31 2022	N/A	\$ (2,707,710.72)	(512,824)
Dimensional International Core Equity 2 ETF of	May 31 2022	\$	N/A	

Sensitivity: General Use

Dimensional ETF Trust		2,360.16		447
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 31 2022	\$ 9,440.64	N/A	1,788
Separate Account advised by Dimensional Ireland Limited	May 31 2022	\$ 37,555.15	N/A	7,248
Separate Account advised by Dimensional Ireland Limited	May 30 2022	\$ 42,314.83	N/A	8,311
Separate Account advised by DFA Australia Limited	May 27 2022	\$ (2,051,915.81)	N/A	(397,904)
Separate Account advised by Dimensional Fund Advisors Ltd.	May 27 2022	\$ 174,900.11	N/A	33,772
Dimensional International High Profitability ETF of Dimensional ETF Trust	May 26 2022	\$ 4,581.36	N/A	909
Separate Account advised by DFA Australia Limited	May 26 2022	\$ (4,098,227.79)	N/A	(831,894)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 26 2022	\$ 20,638.80	N/A	4,095
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 26 2022	\$ 3,175.20	N/A	630
Separate Account advised by DFA Australia Limited	May 25 2022	\$ (2,007,033.45)	N/A	(380,908)
Separate Account advised by Dimensional Fund Advisors Ltd.	May 25 2022	\$ 147,932.13	N/A	28,525
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 25 2022	\$ 11,876.05	N/A	2,245
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 24 2022	\$ 9,401.60	N/A	1,808
Separate Account advised by Dimensional Fund Advisors LP	May 23 2022	\$ (16,120.42)	N/A	(3,072)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 20 2022	\$ 4,618.28	N/A	878
Separate Account advised by Dimensional Fund Advisors LP	May 20 2022	\$ (15,741.97)	N/A	(2,996)
Separate Account advised by Dimensional Fund Advisors LP	May 19 2022	\$ (19,143.04)	N/A	(3,769)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 19 2022	\$ 23,051.00	N/A	4,450
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 18 2022	\$ 14,287.68	N/A	2,706
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 18 2022	\$ 23,812.80	N/A	4,510
Separate Account advised by Dimensional Fund Advisors LP	May 18 2022	\$ (16,847.12)	N/A	(3,216)
The DFA International Value Series of The DFA Investment Trust Company	May 17 2022	\$ 373,772.80	N/A	72,854
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 17 2022	\$ 7,051.20	N/A	1,356
Separate Account advised by Dimensional Fund Advisors LP	May 17 2022	\$ (15,459.19)	N/A	(3,044)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 16 2022	\$ 8,661.24	N/A	1,764
Nomura DFA International Equity Value Mother Fund	May 16 2022	\$ (39,256.55)	N/A	(7,946)
Separate Account advised by Dimensional Fund Advisors LP	May 16 2022	\$ (15,780.66)	N/A	(3,192)
Dimensional International Core Equity 2 ETF of	May 13 2022	\$	N/A	

Sensitivity: General Use

Dimensional ETF Trust		2,112.48		432
Separate Account advised by Dimensional Fund Advisors LP	May 13 2022	\$ (31,071.60)	N/A	(6,330)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 13 2022	\$ 14,787.36	N/A	3,024
The DFA International Value Series of The DFA Investment Trust Company	May 12 2022	\$ 2,399,484.68	N/A	482,610
Separate Account advised by Dimensional Fund Advisors LP	May 12 2022	\$ 26,249.41	N/A	5,266
Dimensional International Value of Dimensional ETF Trust	May 12 2022	\$ 555,295.67	N/A	111,687
Nomura DFA International Equity Value Mother Fund	May 12 2022	\$ (86,755.81)	N/A	(17,157)
Separate Account advised by Dimensional Fund Advisors LP	May 12 2022	\$ (24,460.40)	N/A	(4,845)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 12 2022	\$ 16,881.92	N/A	3,488
VA International Value Portfolio of DFA Investment Dimensions Group Inc.	May 12 2022	\$ 31,613.48	N/A	6,316
Separate Account advised by Dimensional Fund Advisors LP	May 11 2022	\$ (17,167.27)	N/A	(3,487)
The DFA International Value Series of The DFA Investment Trust Company	May 11 2022	\$ 884,290.27	N/A	178,757
Dimensional International Value of Dimensional ETF Trust	May 11 2022	\$ 384,719.23	N/A	77,770
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 11 2022	\$ 4,302.72	N/A	864
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 11 2022	\$ 8,605.44	N/A	1,728
Separate Account advised by Dimensional Fund Advisors LP	May 10 2022	\$ (21,912.10)	N/A	(4,464)
Dimensional International Value of Dimensional ETF Trust	May 10 2022	\$ 9,805.35	N/A	1,965
Separate Account advised by Dimensional Fund Advisors LP	May 9 2022	\$ (19,776.42)	N/A	(3,992)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 6 2022	\$ 13,602.60	N/A	2,748
Dimensional International Value of Dimensional ETF Trust	May 6 2022	\$ 621,367.12	N/A	125,329
Separate Account advised by Dimensional Fund Advisors LP	May 6 2022	\$ (18,215.30)	N/A	(3,608)
Dimensional International Value of Dimensional ETF Trust	May 6 2022	\$ 63,647.10	N/A	12,858
Separate Account advised by Dimensional Fund Advisors LP	May 5 2022	\$ (29,894.98)	N/A	(5,945)
Separate Account advised by Dimensional Fund Advisors LP	May 4 2022	\$ (19,765.77)	N/A	(4,010)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 4 2022	\$ 13,645.74	N/A	2,802
Dimensional International Value of Dimensional ETF Trust	May 4 2022	\$ 39,447.00	N/A	8,100
SA International Value Fund, a series of SA Funds - Investment Trust	May 4 2022	\$ 157,877.51	N/A	32,161
Separate Account advised by Dimensional Fund Advisors LP	May 4 2022	\$ 27,860.35	N/A	5,671
Dimensional International Core Equity 2 ETF of	May 3 2022	\$	N/A	

Sensitivity: General Use

Dimensional ETF Trust		4,646.48		964
Dimensional Australian Value Trust	May 3 2022	\$ 762,280.54	N/A	158,068
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	May 2 2022	\$ 9,331.40	N/A	1,924
Dimensional Australian Core Imputation Trust	Apr 29 2022	\$ 69,622.38	N/A	13,857
Global Targeted Value Fund of Dimensional Funds plc	Apr 29 2022	\$ 81,567.99	N/A	16,235
Global Targeted Value Fund of Dimensional Funds plc	Apr 28 2022	\$ 130,039.87	N/A	26,998
Dimensional Australian Core Imputation Trust	Apr 28 2022	\$ 133,872.85	N/A	27,793
Large Cap International Portfolio of DFA Investment Dimensions Group Inc.	Apr 27 2022	\$ 124,744.48	N/A	27,278
Dimensional International Value of Dimensional ETF Trust	Apr 27 2022	\$ 99,481.60	N/A	21,440
Dimensional International Value of Dimensional ETF Trust	Apr 27 2022	\$ 389,919.11	N/A	85,264
Separate Account advised by Dimensional Fund Advisors LP	Apr 27 2022	\$ (68,737.23)	N/A	(15,317)
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Apr 27 2022	\$ 4,519.36	N/A	974
Dimensional International Value of Dimensional ETF Trust	Apr 26 2022	\$ 37,417.60	N/A	8,504
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Apr 21 2022	\$ 7,228.80	N/A	1,506
SA International Value Fund, a series of SA Funds - Investment Trust	Apr 21 2022	\$ 156,386.28	N/A	32,746
Large Cap International Portfolio of DFA Investment Dimensions Group Inc.	Apr 21 2022	\$ 155,254.43	N/A	32,509
Brighthouse/Dimensional International Small Company Portfolio, a series of Brighthouse Funds Trust II	Apr 21 2022	\$ (57,231.53)	N/A	(11,942)
Dimensional International Value of Dimensional ETF Trust	Apr 20 2022	\$ 292,560.04	N/A	62,398
Brighthouse/Dimensional International Small Company Portfolio, a series of Brighthouse Funds Trust II	Apr 20 2022	\$ (49,840.37)	N/A	(10,654)
Separate Account advised by Dimensional Fund Advisors LP	Apr 20 2022	\$ 32,795.01	N/A	6,972
International Small Company Fund, a series of John Hancock Funds II	Apr 20 2022	\$ (48,609.96)	N/A	(10,381)
VA International Value Portfolio of DFA Investment Dimensions Group Inc.	Apr 20 2022	\$ 139,378.62	N/A	29,811
Separate Account advised by Dimensional Fund Advisors LP	Apr 19 2022	\$ 5,526.78	N/A	1,180
Dimensional International Value of Dimensional ETF Trust	Apr 19 2022	\$ 369,626.62	N/A	78,963
Separate Account advised by DFA Australia Limited	Apr 19 2022	\$ 473,743.42	N/A	101,365
SA International Value Fund, a series of SA Funds - Investment Trust	Apr 19 2022	\$ 72,392.64	N/A	15,490
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Apr 18 2022	\$ 4,660.00	N/A	1,000
Large Cap International Portfolio of DFA	Apr 14 2022	\$	N/A	

Sensitivity: General Use

Investment Dimensions Group Inc.		336,349.29		73,064
DFA International Core Equity Fund of Dimensional Funds	Apr 14 2022	\$ 26,992.78	N/A	5,861
Separate Account advised by DFA Australia Limited	Apr 14 2022	\$ 644,365.09	N/A	139,869
The DFA International Value Series of The DFA Investment Trust Company	Apr 13 2022	N/A	\$ 1,653,917.46	364,299
Global Targeted Value Fund of Dimensional Funds plc	Apr 13 2022	N/A	\$ 50,357.68	11,092
Separate Account advised by DFA Australia Limited	Apr 13 2022	N/A	\$ 229,587.80	50,570
Separate Account advised by Dimensional Fund Advisors Pte. Ltd.	Apr 13 2022	\$ 30,417.57	N/A	6,677
The Asia Pacific Small Company Series of The DFA Investment Trust Company	Apr 13 2022	N/A	\$ (1,653,917.46)	(364,299)
The Asia Pacific Small Company Series of The DFA Investment Trust Company	Apr 13 2022	N/A	\$ (229,587.80)	(50,570)
The DFA International Value Series of The DFA Investment Trust Company	Apr 13 2022	\$ 615,362.54	N/A	135,079
The Asia Pacific Small Company Series of The DFA Investment Trust Company	Apr 13 2022	N/A	\$ (50,357.68)	(11,092)
The DFA International Value Series of The DFA Investment Trust Company	Apr 12 2022	\$ 955,106.50	N/A	215,817
The DFA International Value Series of The DFA Investment Trust Company	Apr 11 2022	\$ 1,518,225.85	N/A	335,522
Separate Account advised by Dimensional Fund Advisors LP	Apr 11 2022	\$ 20,181.35	N/A	4,460
Dimensional International Value of Dimensional ETF Trust	Apr 8 2022	\$ 90,262.09	N/A	20,117
Separate Account advised by DFA Australia Limited	Apr 8 2022	\$ 1,463,357.24	N/A	326,134
The DFA International Value Series of The DFA Investment Trust Company	Apr 7 2022	\$ 1,327,997.62	N/A	304,285
Separate Account advised by DFA Australia Limited	Apr 7 2022	\$ 169,746.31	N/A	38,893
VA International Value Portfolio of DFA Investment Dimensions Group Inc.	Apr 7 2022	\$ 66,232.95	N/A	15,176
Separate Account advised by Dimensional Fund Advisors LP	Apr 7 2022	\$ 31,715.53	N/A	7,267
The DFA International Value Series of The DFA Investment Trust Company	Apr 6 2022	\$ 696,009.38	N/A	160,289
Separate Account advised by DFA Australia Limited	Apr 6 2022	\$ 109,843.77	N/A	25,296
Separate Account advised by Dimensional Fund Advisors LP	Apr 6 2022	\$ 20,525.66	N/A	4,727
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Apr 6 2022	\$ 2,216.95	N/A	505
The DFA International Value Series of The DFA Investment Trust Company	Apr 5 2022	\$ 1,040,716.04	N/A	248,187
Separate Account advised by Dimensional Fund Advisors LP	Apr 5 2022	\$ 51,736.61	N/A	12,338
Separate Account advised by DFA Australia Limited	Apr 5 2022	\$ 276,906.39	N/A	66,034
Separate Account advised by DFA Australia Limited	Apr 4 2022	\$ 1,566,531.34	N/A	373,082
Global Targeted Value Fund of Dimensional	Apr 4 2022	\$	N/A	

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Funds plc		54,624.07		12,982
Separate Account advised by DFA Australia Limited	Apr 1 2022	\$ 438,460.56	N/A	104,840
Global Targeted Value Fund of Dimensional Funds plc	Apr 1 2022	\$ 27,656.26	N/A	6,611
Separate Account advised by DFA Australia Limited	Apr 1 2022	\$ 577,321.74	N/A	138,043
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Apr 1 2022	\$ 9,924.60	N/A	2,380
The Asia Pacific Small Company Series of The DFA Investment Trust Company	Apr 1 2022	\$ (2,009,837.29)	N/A	(481,937)
Separate Account advised by DFA Australia Limited	Mar 31 2022	\$ 2,901,730.17	N/A	690,988
Large Cap International Portfolio of DFA Investment Dimensions Group Inc.	Mar 30 2022	\$ 331,594.92	N/A	80,228
DFA International Core Equity Fund of Dimensional Funds	Mar 30 2022	\$ 27,693.55	N/A	6,684
Separate Account advised by Dimensional Fund Advisors LP	Mar 30 2022	\$ 94,790.94	N/A	22,906
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Mar 30 2022	\$ 5,625.20	N/A	1,372
The DFA International Value Series of The DFA Investment Trust Company	Mar 30 2022	\$ 373,422.47	N/A	90,348
Dimensional International Value of Dimensional ETF Trust	Mar 30 2022	\$ 976,379.80	N/A	236,231
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Mar 29 2022	\$ 14,620.00	N/A	3,440
The DFA International Value Series of The DFA Investment Trust Company	Mar 29 2022	\$ 1,894,674.82	N/A	443,552
Separate Account advised by DFA Australia Limited	Mar 28 2022	\$ 1,366,512.84	N/A	304,802
The DFA International Value Series of The DFA Investment Trust Company	Mar 25 2022	\$ 2,302,452.86	N/A	519,080
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Mar 25 2022	\$ 24,442.88	N/A	5,456
The DFA International Value Series of The DFA Investment Trust Company	Mar 24 2022	\$ 455,806.53	N/A	107,080
VA International Value Portfolio of DFA Investment Dimensions Group Inc.	Mar 24 2022	\$ 43,009.61	N/A	10,104
Dimensional International Value of Dimensional ETF Trust	Mar 24 2022	\$ 484,058.19	N/A	113,717
The DFA International Value Series of The DFA Investment Trust Company	Mar 23 2022	\$ 2,316,930.76	N/A	559,529
Dimensional International Core Equity 2 ETF of Dimensional ETF Trust	Mar 23 2022	\$ 5,660.60	N/A	1,364
Dimensional International Value of Dimensional ETF Trust	Mar 22 2022	\$ 428,779.59	N/A	103,192
The DFA International Value Series of The DFA Investment Trust Company	Mar 22 2022	\$ 601,513.88	N/A	144,763
Separate Account advised by Dimensional Fund Advisors LP	Mar 21 2022	\$ 20,157.89	N/A	5,045
VA International Value Portfolio of DFA Investment Dimensions Group Inc.	Mar 21 2022	\$ 45,214.42	N/A	11,316
The DFA International Value Series of The DFA Investment Trust Company	Mar 21 2022	\$ 1,104,736.56	N/A	276,487
Global Targeted Value Fund of Dimensional	Mar 18 2022	\$	N/A	

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Funds plc		34,742.62		8,670
Separate Account advised by Dimensional Fund Advisors LP	Mar 18 2022	\$ 18,630.48	N/A	4,641
Separate Account advised by Dimensional Fund Advisors LP	Mar 18 2022	\$ 55,665.12	N/A	13,903
SA International Value Fund, a series of SA Funds - Investment Trust	Mar 18 2022	\$ 165,033.42	N/A	41,184
VA International Value Portfolio of DFA Investment Dimensions Group Inc.	Mar 17 2022	\$ 28,083.91	N/A	7,280
Separate Account advised by DFA Australia Limited	Mar 17 2022	\$ (90,698.15)	N/A	(23,602)
The DFA International Value Series of The DFA Investment Trust Company	Mar 17 2022	\$ 1,483,893.55	N/A	383,635
Separate Account advised by Dimensional Fund Advisors LP	Mar 17 2022	\$ 14,955.74	N/A	3,881
Large Cap International Portfolio of DFA Investment Dimensions Group Inc.	Mar 16 2022	\$ 530,578.13	N/A	130,154
Separate Account advised by DFA Australia Limited	Mar 15 2022	\$ (597,691.67)	N/A	(149,686)
Separate Account advised by Dimensional Fund Advisors LP	Mar 15 2022	\$ 78,221.05	N/A	19,700
Nomura DFA International Equity Value Mother Fund	Mar 14 2022	\$ 42,885.43	N/A	10,321
Global Core Equity Fund of Dimensional Funds plc	Mar 14 2022	N/A	\$ 55,113.24	13,377
Separate Account advised by DFA Australia Limited	Mar 14 2022	N/A	\$ (55,113.24)	(13,377)
Separate Account advised by Dimensional Fund Advisors LP	Mar 14 2022	\$ 64,592.01	N/A	15,545
Separate Account advised by DFA Australia Limited	Mar 11 2022	N/A	\$ (88,500.24)	(21,906)
Separate Account advised by DFA Australia Limited	Mar 11 2022	N/A	\$ 88,500.24	21,906
Separate Account advised by Dimensional Fund Advisors LP	Mar 11 2022	\$ 58,845.54	N/A	14,438
Nomura DFA International Equity Value Mother Fund	Mar 11 2022	\$ 207,655.95	N/A	50,943
World Equity Fund of Dimensional Funds plc	Mar 10 2022	N/A	\$ 20,464.95	5,181
Separate Account advised by DFA Australia Limited	Mar 10 2022	N/A	\$ 128,833.20	32,616
Separate Account advised by DFA Australia Limited	Mar 10 2022	N/A	\$ (128,833.20)	(32,616)
Separate Account advised by DFA Australia Limited	Mar 10 2022	N/A	\$ (20,464.95)	(5,181)
Nomura DFA International Equity Value Mother Fund	Mar 10 2022	\$ 88,494.61	N/A	23,104
Separate Account advised by DFA Australia Limited	Mar 10 2022	N/A	\$ (121,624.45)	(30,791)
Large Cap International Portfolio of DFA Investment Dimensions Group Inc.	Mar 10 2022	N/A	\$ 121,624.45	30,791
Large Cap International Portfolio of DFA Investment Dimensions Group Inc.	Mar 9 2022	\$ 1,786,053.27	N/A	438,657
International Value Fund of Dimensional Funds ICVC	Mar 9 2022	\$ 174,913.57	N/A	42,959
Dimensional International Core Equity Market	Mar 8 2022	\$	N/A	

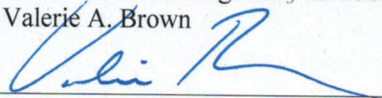
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ETF		1,527.06		3,752
Separate Account advised by DFA Australia Limited	Mar 8 2022	\$ (830,752.70)	N/A	(207,441)
Global Value Fund of Dimensional Funds plc	Mar 8 2022	\$ 318,691.05	N/A	78,427

This is Annexure "E" referred to in Form 603: Notice of Initial Substantial Shareholder

Date: July 11, 2022

Print Name: Dimensional Fund Advisors LP
By: Dimensional Holdings Inc., its General Partner
By: Valerie A. Brown

Signature: 

Capacity: Assistant Secretary and Vice President

ANNEXURE F
WHITEHAVEN COAL LIMITED
ACN 124 425 396

7. ADDRESSES

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

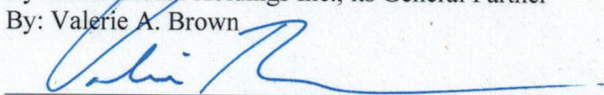
Name	Address
DFA Australia Limited	Level 43, 1 Macquarie Place, Sydney NSW 2000
Dimensional Fund Advisors LP	6300 Bee Cave Road, Building One, Austin, Texas, 78746, United States of America
Dimensional Fund Advisors Ltd.	20 Triton Street, London NW1 3BF, United Kingdom
Dimensional Ireland Limited	24 Fitzwilliam Place, Dublin 2, Ireland
DFA Canada LLC	6300 Bee Cave Road, Building One, Austin, Texas, 78746, United States of America
Dimensional Fund Advisors Canada ULC	745 Thurlow Street, Suite 2110, Vancouver, British Columbia V6E 0C5, Canada
Dimensional Advisors Ltd.	6300 Bee Cave Road, Building One, Austin, Texas, 78746, United States of America
Dimensional Fund Advisors Pte. Ltd.	8 Marina View, Asia Square Tower 1, Suite #33-01, Singapore 018960
Dimensional Holdings Inc.	6300 Bee Cave Road, Building One, Austin, Texas, 78746, United States of America
Dimensional Holdings LLC	6300 Bee Cave Road, Building One, Austin, Texas, 78746, United States of America
David Booth	6300 Bee Cave Road, Building One, Austin, Texas, 78746, United States of America
Rex Sinquefeld	6300 Bee Cave Road, Building One, Austin, Texas, 78746, United States of America

This is Annexure "F" referred to in Form 603: Notice of Initial Substantial Shareholder

Date: July 11, 2022

Print Name: Dimensional Fund Advisors LP
 By: Dimensional Holdings Inc., its General Partner
 By: Valerie A. Brown

Signature:



Capacity: Assistant Secretary and Vice President