# **Form 603**

Corporations Law Section 671B

## Notice of initial substantial holder

To Company Name/Scheme	GEOPACIFIC RESOURCES LIMITED	
ACN/ARBN	57 003 208 393	
1. Details of substantial	holder (1)	
Name	Franklin Resources, Inc. and its affiliates	
ACN (if applicable)	N/A	
The holder became a sub	bstantial holder on 17/08/2017	

## 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	Persons' votes (5)	Voting power (6)
Ordinary shares	102,497,609	102,497,609	7.29%*

<sup>\*</sup>Based on shares outstanding of 1,406,211,481

## 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	Name of relevant interest (7)	Class and number of securities
See Annexure B, item 1	See Annexure B, item 2	See Annexure B, item 3

# 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 B, item 1	See Annexure B, item 6	See Annexure B, item 8	See Annexure B, items 3,7 & 9

## 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 B, item 1	See Annexure B, item 4	See Annexure B, item 5	See Annexure B, item 5	See Annexure B, item 3

#### 6. Associates

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

Name and ACN (if applicable)	Nature of association
The persons referred to in paragraph 1 of	
Annexure A are associates of Franklin	
Resources, Inc. by virtue of being a related	
body.	

# 7. Addresses

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

Name	Address
See Annexure A	See annexure A

Signature		
print name	Lori A. Weber	Capacity: Assistant Secretary, Franklin Resources, Inc.
sign here		Date 18 August 2017

Name	Address
ALPHAPARITY ADVISORS, LLC	430 Park Avenue, 12th Floor, New York, NY
	10022
BALANCED EQUITY MANAGEMENT PTY. LIMITED	Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia
C&EE GENERAL PARTNER LIMITED	1133 Connecticut Avenue, NW, Suite 400, Washington, DC, 20036, United States,
DARBY – HANA INFRASTRUCTURE FUND MANAGEMENT CO., LTD	18th Floor, SKC Building 23-10, Youido-Dong, Youngdungpo-Gu, Seoul, S. Korea 150-734
DARBY ADMINISTRACAO DE INVESTIMENTOS LTDA.	Av. Brigadeiro de Faria Lima, 3311, 5th floor, suite 502 – part C, Itaim Bibi, postal code 04538-133, City of São Paulo, State of São Paulo – Brazil
DARBY ASIA INVESTORS (HK), LTD.	Suite 911-919, Jardine House, 1 Connaught Place, Central, Hong Kong
DARBY ASIA INVESTORS, LTD.	Unit 1607-1608, 16th Floor, Charter House,
8 Connaught Road, Central, Hong Kong	
DARBY ASIA INVESTORS (INDIA) PRIVATE LIMITED	Sakhar Bhavan, 1st Floor, 230 Backbay Reclamation Nariman Point, Mumbai 400-021, India
DARBY ASIA OPPORTUNITIES FUND III MANAGEMENT CO., LTD.	Maples Corporate Services Limited, P.O. Box 309, Ugland House, Grand Cayman, KY1-1104, Cayman Islands
DARBY ASIA PRIVATE DEBT FUND IV MANAGEMENT CO., LTD.	Maples Corporate Services Limited, P.O. Box 309, Ugland House, Grand Cayman, Cayman Islands, KY1-1104, Cayman Islands
DARBY BRAZIL MEZZANINE MANAGEMENT, LLC	1133 Connecticut Ave., NW, Suite 400
Washington, DC 20036	
DARBY COLPATRIA CAPITAL SAS	1133 Connecticut Ave., NW, Suite 400
Washington, DC 20036	, ,
DARBY CONVERGING EUROPE FUND III MANAGEMENT	15, Rue Edward Steichen, L-2540 Luxembourg, Grand Duchy of Luxembourg
DARBY EMERGING MARKETS INVESTMENTS, LTD.	c/o Corporation Service Company,
2711 Centerville Road, Suite 400, Wilmington, Delaware 19808	
DARBY ENERGIA S.A.S.	Carrera 7, #80-49, Office 201, Bogota, Columbia
DARBY EUROPE MEZZANINE MANAGEMENT	PO Box 309GT, Ugland House, South Church Street, George Town, Grand Cayman, Cayman Islands
DARBY HOLDINGS, INC.	1133 Connecticut Ave., NW, Suite 400
DARBY MEXICO PRIVATE EQUITY, S.A.P.I. DE C.V.	Avenida Paseo de la Reforma 342, Colonia Juarez, Mexico City, CP. 06600, Mexico
DARBY OVERSEAS INVESTMENTS, LTD.	1133 Connecticut Ave., NW, Suite 400 Washington, DC 20036
DARBY OVERSEAS PARTNERS, L.P.	1133 Connecticut Ave., NW, Suite 400

DARBY SERVTEC ENERGIA GP, LLC  c/o Corporation Service Company, 2711 Centerville Road, Suite 400, Wilmington, DE, 19808  DK CONSULTING LTD.  20th Floor, Korea First Bank Building, 100 Gongpyungdong, Jongno-Gu, Seoul, 110-702 Korea.  DARBY-PROBANCO INVESTORS, LLC  DARBY-PROBANCO INVESTORS, LLC  1133 Connecticut Avenue, NW, Suite 400, Washington, DC 20036  FIDUCIARY INTERNATIONAL HOLDING, INC. Washington DC 20006  FIDUCIARY INVESTMENT MANAGEMENT INTERNATIONAL, INC. FIDUCIARY INVESTMENT MANAGEMENT INTERNATIONAL, INC.  Fiduciary Trust (International) Sàrl FIDUCIARY TRUST COMPANY INTERNATIONAL FIDUCIARY TRUST COMPANY OF CANADA  FIDUCIARY TRUST COMPANY OF CANADA  FIDUCIARY TRUST INTERNATIONAL LIMITED FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  FRANKLIN ADVISERS, INC.  One Frankin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801  FRANKLIN ADVISORY SERVICES, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801  TRANKLIN CAPITAL CORPORATION  47 West 200 South, Salt Lake City, UT 84104-1621
Road, Suite 400, Wilmington, DE, 19808  DK CONSULTING LTD.  DARBY-PROBANCO INVESTORS, LLC  DARBY-PROBANCO INVESTORS, LLC  DI 1133 Connecticut Avenue, NW, Suite 400, Washington, DC 20036  FIDUCIARY INTERNATIONAL HOLDING, INC.  Washington DC 20006  FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INTESTMENT MANAGEMENT INTERNATIONAL, INC.  FIDUCIARY TRUST COMPANY INTERNATIONAL  FIDUCIARY TRUST COMPANY OF CANADA  TO Seventh Avenue, New York, NY 10017  FIDUCIARY TRUST INTERNATIONAL LIMITED  Cannon Place, 78 Cannon Street, London, EC4N 6HL, England  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  TRANKLIN ADVISERS, INC.  ONE FRANKLIN ADVISERS, INC.  ONE FRANKLIN ADVISERS GP, LLC  ONE Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  ONE Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
DK CONSULTING LTD.  20th Floor, Korea First Bank Building, 100 Gongpyungdong, Jongno-Gu, Seoul, 110-702 Korea.  DARBY-PROBANCO INVESTORS, LLC  D133 Connecticut Avenue, NW, Suite 400, Washington, DC 20036 FIDUCIARY INTERNATIONAL HOLDING, INC.  Washington DC 20006 FIDUCIARY INTERNATIONAL, INC.  BIDUCIARY INTERNATIONAL, INC.  Z80 Park Avenue, New York, NY 10017, United States FIDUCIARY INSTEMENT MANAGEMENT INTERNATIONAL, INC.  D133 Connecticut Avenue, NW, Suite 330, Washington DC 20036 FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY TRUST (International) Sàrl  FIDUCIARY TRUST COMPANY INTERNATIONAL  BIDUCIARY TRUST COMPANY INTERNATIONAL  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  FRANKLIN ADVISERS, INC.  TRANKLIN ADVISERS GP, LLC  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
DARBY-PROBANCO INVESTORS, LLC  DARBY-PROBANCO INVESTORS, LLC  I133 Connecticut Avenue, NW, Suite 400, Washington, DC 20036  FIDUCIARY INTERNATIONAL HOLDING, INC.  Washington DC 20006  FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INVESTMENT MANAGEMENT INTERNATIONAL, INC.  Fiduciary Trust (International) Sàrl  FIDUCIARY TRUST COMPANY INTERNATIONAL  FIDUCIARY TRUST COMPANY INTERNATIONAL  FIDUCIARY TRUST COMPANY OF CANADA  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL OF CANIDA AND AND AND AND AND AND AND AND AND A
FIDUCIARY INTERNATIONAL HOLDING, INC.  Washington DC 20006  FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INVESTMENT MANAGEMENT INTERNATIONAL, INC.  FIDUCIARY INVESTMENT MANAGEMENT D.C. 280 Park Avenue, New York, NY 10017, United States 1133 Connecticut Avenue, NW, Suite 330, Washington D.C. 20036  FIDUCIARY TRUST (International) Sàrl 16 rue de la Pélisserie, 1204, Geneva, Switzerland 280 Park Avenue, New York, NY 10017  FIDUCIARY TRUST COMPANY INTERNATIONAL 280 Park Avenue, New York, NY 10017  FIDUCIARY TRUST COMPANY OF CANADA 350 Seventh Avenue SW, Suite 3000, Calgary, Alberta, T2P 3N9  Cannon Place, 78 Cannon Street, London, EC4N 6HL, England 444 South Flower Street, Suite 3200, Los Angeles, CA 90071, United States  FIDUCIARY TRUST INTERNATIONAL OF 244 South Flower Street, Wilmington, Delaware 19801  FIDUCIARY TRUST INTERNATIONAL OF 1220 North Market Street, Wilmington, Delaware 19801  FRANKLIN ADVISERS, INC. 0ne Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC 55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660  FT ALPHAPARITY, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States
FIDUCIARY INTERNATIONAL HOLDING, INC.  Washington DC 20006  FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INVESTMENT MANAGEMENT INTERNATIONAL, INC.  FIDUCIARY INVESTMENT MANAGEMENT D.C. 280 Park Avenue, New York, NY 10017, United States 1133 Connecticut Avenue, NW, Suite 330, Washington D.C. 20036  FIDUCIARY TRUST (International) Sàrl 16 rue de la Pélisserie, 1204, Geneva, Switzerland 280 Park Avenue, New York, NY 10017  FIDUCIARY TRUST COMPANY INTERNATIONAL 280 Park Avenue, New York, NY 10017  FIDUCIARY TRUST COMPANY OF CANADA 350 Seventh Avenue SW, Suite 3000, Calgary, Alberta, T2P 3N9  Cannon Place, 78 Cannon Street, London, EC4N 6HL, England 444 South Flower Street, Suite 3200, Los Angeles, CA 90071, United States  FIDUCIARY TRUST INTERNATIONAL OF 244 South Flower Street, Wilmington, Delaware 19801  FIDUCIARY TRUST INTERNATIONAL OF 1220 North Market Street, Wilmington, Delaware 19801  FRANKLIN ADVISERS, INC. 0ne Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC 55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660  FT ALPHAPARITY, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States
FIDUCIARY INTERNATIONAL HOLDING, INC.  Washington DC 20006 FIDUCIARY INTERNATIONAL, INC.  FIDUCIARY INVESTMENT MANAGEMENT INTERNATIONAL, INC.  Fiduciary Trust (International) Sàrl FIDUCIARY TRUST COMPANY INTERNATIONAL FIDUCIARY TRUST COMPANY OF CANADA  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF TOUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF TOUCIARY TRUST INTERNATIONAL OF THE STANKLIN ADVISERS, INC.  ONE Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  ONE Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States
Washington DC 20006 FIDUCIARY INTERNATIONAL, INC. FIDUCIARY INVESTMENT MANAGEMENT 1133 Connecticut Avenue, NW, Suite 330, Washington D.C. 20036 Fiduciary Trust (International) Sàrl 16 rue de la Pélisserie, 1204, Geneva, Switzerland 280 Park Avenue, New York, NY 10017  FIDUCIARY TRUST COMPANY INTERNATIONAL 280 Park Avenue, New York, NY 10017  FIDUCIARY TRUST COMPANY OF CANADA 250 Seventh Avenue SW, Suite 3000, Calgary, Alberta, T2P 3N9 FIDUCIARY TRUST INTERNATIONAL LIMITED 250 Cannon Place, 78 Cannon Street, London, EC4N 6HL, England 244 South Flower Street, Suite 3200, Los Angeles, CA 2016 CALIFORNIA 250 North Market Street, Wilmington, Delaware 19801 FIDUCIARY TRUST INTERNATIONAL OF 261 Alberta 1220 North Market Street, Wilmington, Delaware 19801 FRANKLIN ADVISERS, INC. 261 Alberta 13134, United States 261 Albert
FIDUCIARY INVESTMENT MANAGEMENT INTERNATIONAL, INC.  Fiduciary Trust (International) Sàrl  FIDUCIARY TRUST COMPANY INTERNATIONAL  FIDUCIARY TRUST COMPANY OF CANADA  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF THE CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF THE CALIFORNIA  FRANKLIN ADVISERS, INC.  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
INTERNATIONAL, INC.  Fiduciary Trust (International) Sàrl  FIDUCIARY TRUST COMPANY INTERNATIONAL  FIDUCIARY TRUST COMPANY OF CANADA  FIDUCIARY TRUST COMPANY OF CANADA  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF TELAWARE  FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  SOUTH  TRANKLIN ADVISERS, INC.  ONE Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
Fiduciary Trust (International) Sàrl  FIDUCIARY TRUST COMPANY INTERNATIONAL  280 Park Avenue, New York, NY 10017  280 Park Avenue, New York 10017  280 Park Avenue, New York, NY 10017  280 Park Avenue, New York, NY 10017  280 Park Avenue, New York 10017  280 Park Avenue, Perk 10017  280 Park 100
FIDUCIARY TRUST COMPANY INTERNATIONAL  FIDUCIARY TRUST COMPANY OF CANADA  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  FRANKLIN ADVISERS, INC.  TRANKLIN ADVISERS, INC.  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FIDUCIARY TRUST COMPANY INTERNATIONAL  FIDUCIARY TRUST COMPANY OF CANADA  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  FRANKLIN ADVISERS, INC.  TRANKLIN ADVISERS, INC.  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FIDUCIARY TRUST COMPANY OF CANADA  350 Seventh Avenue SW, Suite 3000, Calgary, Alberta, T2P 3N9  FIDUCIARY TRUST INTERNATIONAL LIMITED  Cannon Place, 78 Cannon Street, London, EC4N 6HL, England  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  FRANKLIN ADVISERS, INC.  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  FRANKLIN ADVISERS, INC.  CONE Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  CONE Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  FRANKLIN ADVISORY SERVICES, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FIDUCIARY TRUST INTERNATIONAL LIMITED  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  FRANKLIN ADVISERS, INC.  CONE Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  CONE Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  FRANKLIN ADVISORY SERVICES, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FIDUCIARY TRUST INTERNATIONAL LIMITED  Cannon Place, 78 Cannon Street, London, EC4N 6HL, England  FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  FRANKLIN ADVISERS, INC.  FRANKLIN ADVISERS GP, LLC  FRANKLIN ADVISERS GP, LLC  FRANKLIN ADVISORY SERVICES, LLC  FRANKLIN ADVISORY SERVICES, LLC  FT ALPHAPARITY, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FIDUCIARY TRUST INTERNATIONAL OF CALIFORNIA  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  FRANKLIN ADVISERS, INC.  FRANKLIN ADVISERS GP, LLC  FRANKLIN ADVISORY SERVICES, LLC  FRANKLIN ADVISORY SERVICES, LLC  FT ALPHAPARITY, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH SOUTH FRANKLIN ADVISERS, INC.  FRANKLIN ADVISERS GP, LLC FRANKLIN ADVISORY SERVICES, LLC  FRANKLIN ADVISORY SERVICES, LLC  FT ALPHAPARITY, LLC  FT FINTECH HOLDINGS, LLC  FT FINTECH HOLDINGS, LLC  FIDUCIARY TRUST INTERNATIONAL OF THE 33134, United States  2 Alhambra Plaza, Penthouse 1-A, Coral Gables, FL 33134, United States  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FIDUCIARY TRUST INTERNATIONAL OF DELAWARE FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH FRANKLIN ADVISERS, INC. One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC South Market Street, Wilmington, Delaware 19801  2 Alhambra Plaza, Penthouse 1-A, Coral Gables, FL 33134, United States  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660  FT ALPHAPARITY, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
DELAWARE  FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH  SOUTH  2 Alhambra Plaza, Penthouse 1-A, Coral Gables, FL 33134, United States  FRANKLIN ADVISERS, INC.  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660  FT ALPHAPARITY, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FIDUCIARY TRUST INTERNATIONAL OF THE SOUTH SOUTH SOUTH SOUTH SOUTH 2 Alhambra Plaza, Penthouse 1-A, Coral Gables, FL 33134, United States One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403 FRANKLIN ADVISERS GP, LLC One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403 FRANKLIN ADVISORY SERVICES, LLC 55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660 FT ALPHAPARITY, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States FT FINTECH HOLDINGS, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
SOUTH  33134, United States  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660  FT ALPHAPARITY, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FRANKLIN ADVISERS, INC.  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660  FT ALPHAPARITY, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
Mateo, California 94403  FRANKLIN ADVISERS GP, LLC  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660  FT ALPHAPARITY, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FRANKLIN ADVISERS GP, LLC One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC 55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660  FT ALPHAPARITY, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
Mateo, California 94403  FRANKLIN ADVISORY SERVICES, LLC  55 Challenger Road, Suite 501, Ridgefield Park, NJ, 07660  FT ALPHAPARITY, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FT ALPHAPARITY, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FT ALPHAPARITY, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
Wilmington, New Castle County, DE, 19801, United States  FT FINTECH HOLDINGS, LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
States  FT FINTECH HOLDINGS , LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
FT FINTECH HOLDINGS , LLC  The Corporation Trust Company, 1209 Orange Street, Wilmington, New Castle County, DE, 19801
Wilmington, New Castle County, DE, 19801
FRANKLIN CAPITAL CORPORATION 47 West 200 South, Salt Lake City, UT 84104-1621
l l
FRANKLIN MDP GP, LLC 280 Park Avenue, New York, NY, 10017, United States
FRANKLIN MUTUAL ADVISERS, LLC  101 John F. Kennedy Parkway, Short Hills, NJ 07028-
FRANKLIN TEMPLETON ASSET MANAGEMENT Indiabulls Finance Centre, Tower 2, 12th and 13th Floor,
(INDIA) PRIVATE LIMITED Indiabulis Finance Centre, Tower 2, 12th and 15th Floor, Senapati Bapat Marg, Elphinstone (West), Mumbai,
Mumbai City, Maharashtra-MH, 400013, India
FRANKLIN TEMPLETON ASSET MANAGEMENT  Suite 1005, 10th Floor, Wisma Hamzah-Kwong Hing No.
(MALAYSIA) SDN.BHD. 1, Leboh Ampang, 50100, Kuala Lampur, Malaysia
Franklin Templeton Asset Management Mexico, S.A. Avenida Paseo de la Reforma 342, Colonia Juarez,
de C.V., Sociedad Operadora de Fondos de Mexico City, CP. 06600, Mexico
Inversion
FRANKLIN TEMPLETON AUSTRIA GMBH Universitätsring 10, 4th Floor, Vienna, Austria, 1010
FRANKLIN TEMPLETON CAPITAL HOLDINGS  1st Floor, Empire Tower, 26-28 Ham Nghi District 1, Ho
PRIVATE LIMITED Chi Minh City, Vietnam
FRANKLIN TEMPLETON GLOBAL INVESTORS 5 Morrison Street, Edinburgh, Scotland, EH3 8BH,
LIMITED Scotland

HANALIN TEMPLETON INVESTMENT SERVICES MEXICO TEMPLETON INVESTMENT SERVICES MEXICO SDE RL.  FRANKLIN TEMPLETON INVESTMENT SERVICES MEXICO TEMPLETON INVESTMENT SERVICES MEXICO SDE RALL INTERPLETON INVESTMENT SERVICES MEXICO SDE RALL INTERPLETON INVESTMENT SERVICES MEXICO SDE RALL INTERPLETON INVESTMENT SCORP.  FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED  FRANKLIN TEMPLETON INVESTMENTS AVAN AUGUSTRALIA LIMITED  FRANKLIN TEMPLETON INVESTMENT SCORP.  FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED  FRANKLIN TEMPLETON INVESTMENTS SOUTH AMAGEMENT LIMITED LIMITED  FRANKLIN TEMPLETON INVESTMENTS SOUTH AMAGEMENT LIMITED L		
FRANKLIN TEMPLETON HOLDING LIMITED Cathedral Square, Port Louis, Mauritius  FRANKLIN TEMPLETON INSTITUTIONAL, LLC  FRANKLIN TEMPLETON INSTITUTIONAL, LLC  FRANKLIN TEMPLETON INSTITUTIONAL GP, LLC FRANKLIN TEMPLETON INSTITUTIONAL GP, LLC FRANKLIN TEMPLETON INTERNATIONAL SERVICES (INDIA) PRIVATE LIMITED FRANKLIN TEMPLETON INTERNATIONAL SERVICES S. ar. I. FRANKLIN TEMPLETON INVESTIMENTOS (BRASIL) LTDA. FRANKLIN TEMPLETON INVESTIMENTOS (BRASIL) LTDA. FRANKLIN TEMPLETON INVESTIMENT SPOLAND FRANKLIN TEMPLETON INVESTIMENT SPOLAND FRANKLIN TEMPLETON INVESTIMENT AMANAGEMENT GMBH FRANKLIN TEMPLETON INVESTIMENT SERVICES GMBH FRANKLIN TEMPLETON INVESTIMENT SCORP. FRANKLIN TEMPLETON INVESTIMENT SCORP.  FRANKLIN TEMPLETON INVESTIMENTS (ASIA) LIMITED FRANKLIN TEMPLETON INVESTIMENTS CORP.  FRANKLIN TEMPLETON INVESTIMENTS SOUTH Homo Kong  Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia  FRANKLIN TEMPLETON INVESTIMENTS SOUTH Homo Kong  FRANKLIN TEMPLETON INVESTIMENTS SOUTH HOR KONG  FRANKLIN TEMPLETON INVESTIMENTS SOU	FRANKLIN TEMPLETON GSC ASSET	Suite 31-02, 31st Floor, Menara Keck Seng, 203 Jalan
Cathedral Square, Port Louis, Mauritius  FRANKLIN TEMPLETON INSTITUTIONAL, LLC  FRANKLIN TEMPLETON INSTITUTIONAL, LLC  FRANKLIN TEMPLETON INSTITUTIONAL GP, LLC  1133 Connecticut Ave., NW, Suite 400 Washington, DC 20036  FRANKLIN TEMPLETON INTERNATIONAL SERVICES (INDIA) PRIVATE LIMITED  FRANKLIN TEMPLETON INTERNATIONAL SERVICES (INDIA) PRIVATE LIMITED  FRANKLIN TEMPLETON INTERNATIONAL SERVICES S a.r.l.  FRANKLIN TEMPLETON INVESTIMENTOS (BRASIL) LIDO.  FRANKLIN TEMPLETON INVESTIMENTOS (BRASIL) LIDO.  FRANKLIN TEMPLETON INVESTIMENT SOUTH  MANAGEMENT GMBH  FRANKLIN TEMPLETON INVESTIMENT SERVICES (MBH)  FRANKLIN TEMPLETON INVESTIMENT SERVICES MEXICO S DE RL.  MEXICO S DE R L.  MEXICO CIVIC, CP. 06600, Mexico  FRANKLIN TEMPLETON INVESTIMENT SERVICES MEXICO S DE R L.  MEXICO S S DE R L.  MEXICO S DE R L.  MEXICO S S		
FRANKLIN TEMPLETON INSTITUTIONAL, LLC  FRANKLIN TEMPLETON INSTITUTIONAL GP, LLC  FRANKLIN TEMPLETON INTERNATIONAL  SERVICES (INDIA) PRIVATE LIMITED  FRANKLIN TEMPLETON INTERNATIONAL  SERVICES S. a r.l.  SERVICES S. a r.l.  SERVICES S. a r.l.  FRANKLIN TEMPLETON INVESTIMENTOS  (BRASIL) LTDA.  FRANKLIN TEMPLETON INVESTMENTS POLAND  SP Z.O.O.  FRANKLIN TEMPLETON INVESTMENTS POLAND  SP Z.O.O.  FRANKLIN TEMPLETON INVESTMENT  MANAGEMENT GMBH  FRANKLIN TEMPLETON INVESTMENT  MANAGEMENT CON INVESTMENT  FRANKLIN TEMPLETON INVESTMENT SERVICES  MBH  FRANKLIN TEMPLETON INVESTMENTS (ASIA)  LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ASIA)  LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ASIA)  LIMITED  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS SOUTH  ARRICA (PTY) LTD  FRANKLIN TEMPLETON INVESTMENTS SOUTH  FRANKLIN TEMPLETON MANAGEMENT  Level 7, Gate Precinct Building 3, Unit 5, Dubai International Financial Centre, Sheikh Zayed Road, Dubai, UAE  FRANKLIN TEMPLETON MANAGEMENT  LEVEL 7, Gate Precinct Building 3, Unit 5, Dubai International Financial Centre, Sheikh Zayed Road, D		C/O Pricewaterhouse Coopers LLP
FRANKLIN TEMPLETON INSTITUTIONAL GP, LLC  PRANKLIN TEMPLETON INTERNATIONAL SERVICES (INDIA) PRIVATE LIMITED FRANKLIN TEMPLETON INTERNATIONAL SERVICES Sa r.I.  FRANKLIN TEMPLETON INVESTIMENTOS (BRASIL) LTDA.  FRANKLIN TEMPLETON INVESTIMENTOS (BRASIL) LTDA.  FRANKLIN TEMPLETON INVESTIMENTOS (BRASIL) LTDA.  FRANKLIN TEMPLETON INVESTIMENTS POLAND SP 2.O.O.  FRANKLIN TEMPLETON INVESTMENTS POLAND SP 2.O.O.  FRANKLIN TEMPLETON INVESTMENTS POLAND FRANKLIN TEMPLETON INVESTMENT SERVICES GMBH  FRANKLIN TEMPLETON INVESTMENT SERVICES GMBH FRANKLIN TEMPLETON INVESTMENT SERVICES GMBH FRANKLIN TEMPLETON INVESTMENT SERVICES MEXICO S DE R.L.  FRANKLIN TEMPLETON INVESTMENT SUBJECT SERVICES MEXICO S DE R.L.  FRANKLIN TEMPLETON INVESTMENT SUBJECT SERVICES MEXICO S DE R.L.  FRANKLIN TEMPLETON INVESTMENT SUBJECT SERVICES MEXICO S DE R.L.  FRANKLIN TEMPLETON INVESTMENT SUBJECT SUBJ	Cathedral Square, Port Louis, Mauritius	
20036 FRANKLIN TEMPLETON INTERNATIONAL SERVICES (INDIA) PRIVATE LIMITED FRANKLIN TEMPLETON INTERNATIONAL SERVICES S.à r.I. FRANKLIN TEMPLETON INVESTIMENTOS (BRASIL) LTDA. FRANKLIN TEMPLETON INVESTMENTS POLAND SP.Z.O.O. FRANKLIN TEMPLETON INVESTMENTS POLAND FRANKLIN TEMPLETON INVESTMENT SOUTH FRANKLIN TEMPLETON INVESTMENT MANAGEMENT GMBH FRANKLIN TEMPLETON INVESTMENT MANAGEMENT LIMITED FRANKLIN TEMPLETON INVESTMENT MANAGEMENT LIMITED FRANKLIN TEMPLETON INVESTMENT MANAGEMENT LIMITED FRANKLIN TEMPLETON INVESTMENT SERVICES MEXICO S DE R.I. MEXICO S	FRANKLIN TEMPLETON INSTITUTIONAL, LLC	280 Park Avenue, New York, NY 10017
SERVICES (MDIA) PRIVATE LIMITED RRANKLIN TEMPLETON INTERNATIONAL SERVICES S.a r.l.  FRANKLIN TEMPLETON INVESTIMENTOS (BRASIL) LTDA.  FRANKLIN TEMPLETON INVESTMENTS POLAND SP Z.O.O.  FRANKLIN TEMPLETON INVESTMENTS POLAND SP Z.O.O.  FRANKLIN TEMPLETON INVESTMENT MANAGEMENT LIMITED FRANKLIN TEMPLETON INVESTMENT MANAGEMENT GMBH FRANKLIN TEMPLETON INVESTMENT SERVICES MEXICO S DE RL. FRANKLIN TEMPLETON INVESTMENT TRUST MANAGEMENT CO., LTD. FRANKLIN TEMPLETON INVESTMENT SAIA) LIMITED FRANKLIN TEMPLETON INVESTMENT SERVICES MEXICO S DE RL. FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED  TRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED  FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED  FRANKLIN TEMPLETON INVESTMENTS CORP. AUSTRALIA LIMITED  FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON NEAL ESTATE  ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTA	FRANKLIN TEMPLETON INSTITUTIONAL GP, LLC	
SERVICES S.à r.l.  FRANKLIN TEMPLETON INVESTIMENTOS (BRASIL) LTDA.  FRANKLIN TEMPLETON INVESTMENTS POLAND SP.Z.O.O.  FRANKLIN TEMPLETON INVESTMENT MANAGEMENT GMBH FRANKLIN TEMPLETON INVESTMENT MANAGEMENT LIMITED  FRANKLIN TEMPLETON INVESTMENT MANAGEMENT LIMITED  FRANKLIN TEMPLETON INVESTMENT MANAGEMENT LIMITED  FRANKLIN TEMPLETON INVESTMENT SERVICES (MBH FRANKLIN TEMPLETON INVESTMENT SERVICES (MBH) FRANKLIN TEMPLETON INVESTMENT SERVICES MAINZE Landstr. 16, D-60325 Frankfurt-Am-Main, Germany  FRANKLIN TEMPLETON INVESTMENT SERVICES MAINZE Landstr. 16, D-60325 Frankfurt-Am-Main, Germany  FRANKLIN TEMPLETON INVESTMENT SERVICES MAINZE Landstr. 16, D-60325 Frankfurt-Am-Main, Germany  FRANKLIN TEMPLETON INVESTMENT SERVICES MAINZE Landstr. 16, D-60325 Frankfurt-Am-Main, Germany  FRANKLIN TEMPLETON INVESTMENT SERVICES MAINZE Landstr. 16, D-60325 Frankfurt-Am-Main, Germany  Avenida Brigadeiro Faria Lima 3311, 5th Floor, Itaim Bibi, Sao Paulo, 04538-133, Brazii  Rondo ONZ 1, 00-124 Warszawa  St. Helier Jersey, Channel Islands  St. Helier Jersey, Channel Stands  Management Jersey, Channel Stands  Management Jersey, Channel Stands  St. Helier Jersey, Channel Stands  Mainzer Landstr. 16, D-60325 Frankfurt-Am-Main, Germany  BrankLin Templeton Investment Services  Jengland  St. Helier Jersey, Channel Stands  Mainzer Landstr. 16, D-60325 Frankfurt-Am-Main, Germany  Avenida Prase de de Reforma 342, Colonia Juarez, Mexico City, CP. 06600, Mexico  Jersenstruktin Templeton Investments Services  Jengland  St. Helier Jersey, Channel Stands  Mainzer Landstr. 16, D-60325 Frankfurt-Am-M		
(BRASIL) LTDA.  Sao Paulo, 04538-133, Brazil  FRANKLIN TEMPLETON INVESTMENTS POLAND  FRANKLIN TEMPLETON INVESTMENT  MANAGEMENT GMBH  FRANKLIN TEMPLETON INVESTMENT  MANAGEMENT LIMITED  FRANKLIN TEMPLETON INVESTMENT  MANAGEMENT LIMITED  FRANKLIN TEMPLETON INVESTMENT SERVICES  GMBH  FRANKLIN TEMPLETON INVESTMENT SERVICES  MEXICO S DE R.L.  FRANKLIN TEMPLETON INVESTMENT TRUST  MANAGEMENT CO., LTD.  FRANKLIN TEMPLETON INVESTMENT SITEN TRUST  MANAGEMENT CO., LTD.  FRANKLIN TEMPLETON INVESTMENT SITEN TRUST  MANAGEMENT CO., LTD.  FRANKLIN TEMPLETON INVESTMENTS (ASIA)  LIMITED  FRANKLIN TEMPLETON INVESTMENTS  AUSTRALIA LIMITED  FRANKLIN TEMPLETON INVESTMENTS CORP.  5000 Yonge Street Suite 900, Toronto, Ontario M2N  0A7, Canada  FRANKLIN TEMPLETON INVESTMENTS (ME)  Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia  1-9-10 Roppongi, Minato-ku, Tokyo, Japan  Imited  FRANKLIN TEMPLETON INVESTMENTS SOUTH  AFRICA (PTY) LTD  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MANAGEMENT  LUXEMBOURG SA  FRANKLIN TEMPLETON RAL ESTATE  ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE  ADVISORS IG P, LLC  FRANKLIN TEMPLETON REAL ESTATE  CO'F FRANKLIN TEMPLETON REAL ESTATE  ADVISORS IG P, LLC  FRANKLIN TEMPLETON REAL ESTATE  ADVISORS IG P, LLC  FRANKLI		8A, rue Albert Borschette, L-1246, Luxembourg
SP Z.O.O. FRANKLIN TEMPLETON INVESTMENT MANAGEMENT GMBH FRANKLIN TEMPLETON INVESTMENT MANAGEMENT LIMITED FRANKLIN TEMPLETON INVESTMENT SERVICES GMBH FRANKLIN TEMPLETON INVESTMENT SERVICES GMBH FRANKLIN TEMPLETON INVESTMENT SERVICES MEXICO S DE R.L. FRANKLIN TEMPLETON INVESTMENT TRUST MANAGEMENT CO., LTD. FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD FRANKLIN TEMPLETON INVESTOR SERVICES, LIC FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD FRANKLIN TEMPLETON INVESTOR SERVICES, LIC FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD FRANKLIN TEMPLETON INVESTM	(BRASIL) LTDA.	Sao Paulo, 04538-133, Brazil
MANAGEMENT GMBH FRANKLIN TEMPLETON INVESTMENT MANAGEMENT LIMITED FRANKLIN TEMPLETON INVESTMENT SERVICES GMBH GERMANKLIN TEMPLETON INVESTMENT SERVICES MEXICO S DE R.L. FRANKLIN TEMPLETON INVESTMENT TRUST MANAGEMENT CO., LTD. FRANKLIN TEMPLETON INVESTMENT TRUST MANAGEMENT CO., LTD. FRANKLIN TEMPLETON INVESTMENT SERVICES MEXICO S DE R.L. FRANKLIN TEMPLETON INVESTMENT TRUST MANAGEMENT CO., LTD. FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED FRANKLIN TEMPLETON INVESTMENTS Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia FRANKLIN TEMPLETON INVESTMENTS CORP. FRANKLIN TEMPLETON INVESTMENTS CORP. FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG S.A FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC. FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON R		
### RANKLIN TEMPLETON INVESTMENT SERVICES GMBH  FRANKLIN TEMPLETON INVESTMENT SERVICES MEXICO S DE R.L.  FRANKLIN TEMPLETON INVESTMENT SERVICES MEXICO S DE R.L.  FRANKLIN TEMPLETON INVESTMENT TRUST Mexico City, CP. 06600, Mexico  FRANKLIN TEMPLETON INVESTMENT TRUST Mexico City, CP. 06600, Mexico  FRANKLIN TEMPLETON INVESTMENT TRUST Yeongdeungpo-gu, Seoul, 07241, Republic of Korea Translation of Kong  FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED Hong Kong  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS (ME) Level 7, Gate Precinct Building 3, Unit 5, Dubai International Financial Centre, Sheikh Zayed Road, Dubai, UAE  FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD  FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD  FRANKLIN TEMPLETON INVESTOR SERVICES, LC  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRAN		St. Helier Jersey, Channel Islands
Germany  RRANKLIN TEMPLETON INVESTMENT SERVICES  MEXICO S DE R.L.  FRANKLIN TEMPLETON INVESTMENT TRUST  MANAGEMENT CO., LTD.  FRANKLIN TEMPLETON INVESTMENTS (ASIA)  LIMITED  FRANKLIN TEMPLETON INVESTMENTS  AUSTRALIA LIMITED  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS JAPAN  LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME)  LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME)  LIMITED  FRANKLIN TEMPLETON INVESTMENTS SOUTH  AFRICA (PTY) LTD  AUSTRALIA Holosophy John Andrew Management  LOS (10600 White Rock Road, Rancho Cordova, Ca 95670-6032  FRANKLIN TEMPLETON MANAGEMENT  BA, rue Albert Borschette, L-1246, Luxembourg  ANDREW BOW SOUR SA  FRANKLIN TEMPLETON REAL ESTATE  ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE  ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE  ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE  ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE  ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TE		
MEXICO S DE R.L.  FRANKLIN TEMPLETON INVESTMENT TRUST MANAGEMENT CO., LTD.  FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED  FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS JAPAN LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD  FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD  FRANKLIN TEMPLETON INVESTOR SERVICES, LLC  FRANKLIN TEMPLETON LUXEMBOURG S.A.  FRANKLIN TEMPLETON MAGGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  Mexico City, CP. 06600, Mexico 17th Floor, CMM Building, 101 Yeouigongwon-ro, Yeongdeungpo-gu, Seoul, 07241, Republic of Korea 17th Floor, CAMM Building, 101 Yeouigongwon-ro, Yeongdeungpo-gu, Seoul, 07241, Republic of Korea 17th Floor, Cammadal 17th Floor, Cham Building, 101 Yeouigongwon-ro, Yeongdeungpo-gu, Seoul, 07241, Republic of Korea 17th Floor, Cham Building, 101 Collins Street, Melbourne, Victoria 3000, Australia 17th Floor, Cham Building, 101 Collins Street, Melbourne, Victoria 3000, Australia 17th Floor, Cham Building, 101 Collins Street, Melbourne, Victoria 3000, Australia 17th Floor, Cham Building, 101 Collins Street, Melbourne, Victoria 3000, Australia 17th Floor, Cham Building, 101 Collins Street, Melbourne, Victoria 3000, Australia 17th Floor, Cham Building, 101 Collins Street, Melbourne, Victori		1
FRANKLIN TEMPLETON INVESTMENT TRUST MANAGEMENT CO., LTD.  FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED FRANKLIN TEMPLETON INVESTMENTS CORP. FRANKLIN TEMPLETON INVESTMENTS CORP. FRANKLIN TEMPLETON INVESTMENTS JAPAN LIMITED FRANKLIN TEMPLETON INVESTMENTS JAPAN LIMITED FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD FRANKLIN TEMPLETON INVESTOR SERVICES, LC FRANKLIN TEMPLETON LUXEMBOURG S.A. FRANKLIN TEMPLETON LUXEMBOURG S.A. FRANKLIN TEMPLETON MAGYARORSZAG KFT FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC. FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  JORG MEN SUIT HOUSE, ACCIONATION TO THE STATE AVENUE, New York, NY, 10017, United States  JORG MEN SUIT HOUSE, TO COMM AVENUE A		
FRANKLIN TEMPLETON INVESTMENTS (ASIA) LIMITED  FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS CORP.  FRANKLIN TEMPLETON INVESTMENTS JAPAN LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD  FRANKLIN TEMPLETON INVESTOR SERVICES, LLC  FRANKLIN TEMPLETON LUXEMBOURG S.A. FRANKLIN TEMPLETON MAGYARORSZAG KFT FRANKLIN TEMPLETON MAGYARORSZAG KFT FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  17th Floor, Chater House, 8 Connaught Road Central, Hong Kong Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia Level 79, 101 Collins Street, Melbourne, Victoria 3000, Australia Level 79, 101 Collins Street, Melbourne, Victoria 3000, Australia Palot Collins Street,	FRANKLIN TEMPLETON INVESTMENT TRUST	
LIMITED FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED FRANKLIN TEMPLETON INVESTMENTS CORP. FRANKLIN TEMPLETON INVESTMENTS CORP. FRANKLIN TEMPLETON INVESTMENTS JAPAN LIMITED FRANKLIN TEMPLETON INVESTMENTS JAPAN LIMITED FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD FRANKLIN TEMPLETON INVESTOR SERVICES, LIC FRANKLIN TEMPLETON INVESTOR SERVICES, LIC FRANKLIN TEMPLETON LUXEMBOURG S.A. FRANKLIN TEMPLETON MAGYARORSZAG KFT FRANKLIN TEMPLETON MAGYARORSZAG KFT FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC. FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  Hong Kong Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia  Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia  FRANKLIN TEMPLETON INVESTMENTS CORP.  Level 7, Gate Precinct Building 3, Unit 5, Dubai International Financial Centre, Sheikh Zayed Road, Dubai, UAE  First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa  10600 White Rock Road, Rancho Cordova, Ca 95670-6032  FRANKLIN TEMPLETON MANAGEMENT SAS Center, Sas u. 10-12, Budapest 1051, Hungary  8A, rue Albert Borschette, L-1246, Luxembourg  8A, rue Albert Borschette, L-1246,		Yeongdeungpo-gu, Seoul, 07241, Republic of Korea
FRANKLIN TEMPLETON INVESTMENTS AUSTRALIA LIMITED FRANKLIN TEMPLETON INVESTMENTS CORP. FRANKLIN TEMPLETON INVESTMENTS CORP. FRANKLIN TEMPLETON INVESTMENTS JAPAN LIMITED FRANKLIN TEMPLETON INVESTMENTS JAPAN LIMITED FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD FRANKLIN TEMPLETON INVESTOR SERVICES, LLC FRANKLIN TEMPLETON INVESTOR SERVICES, LLC FRANKLIN TEMPLETON LUXEMBOURG S.A. FRANKLIN TEMPLETON MAGYARORSZAG KFT FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC. FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P. Level 19, 101 Collins Street, Melbourne, Victoria 3000, Australia 5000 Yonge Street Suite 900, Toronto, Ontario M2N 0A7, Canada 1-9-10 Roppongi, Minato-ku, Tokyo, Japan Level 7, Gate Precinct Building 3, Unit 5, Dubai International Financial Centre, Sheikh Zayed Road, Dubai, UAE First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa First Floor Kildare House, The Oval 1 Oakdale Road, Newl		•
FRANKLIN TEMPLETON INVESTMENTS JAPAN LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD  FRANKLIN TEMPLETON INVESTOR SERVICES, LLC  FRANKLIN TEMPLETON INVESTOR SERVICES, LLC  FRANKLIN TEMPLETON LUXEMBOURG S.A.  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  OA7, Canada  1-9-10 Roppongi, Minato-ku, Tokyo, Japan  1-9-10 Roppongi, Minato-ku, Tokyo, Jubia Subil international Frankli Agyed Road, Dubai, UAE  First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa  10600 White Rock Road, Rancho Cordova, Ca 95670-6032  8A, rue Albert Borschette, L-1246, Luxembourg  8A, rue Albert Borschette, Newlands, Cape Town, 7700, South Africa  8A, rue Albert Borschette, Newlands, Cape Town, 7700, South Africa  8A, rue Albert Borschette, L-1246, Luxembourg  8A, rue Albert Borschette, Newlands, Cape Town, 7700, South Africa  8A, rue Albert Borschette, L-1246, Luxembourg  8A, rue Albert Borschette, Newlands, Cape Town, 7700, South Africa  8A, rue Albert Borschette, Newlands, Cape Town, 7700, South Africa  8A, rue Albert Borschette, L-1246, Luxembourg  8A, rue Albert Borschette, Newlands, Cape Town, 7700, South Africa  8A, rue Albert Borschette, Newlands,		Level 19, 101 Collins Street, Melbourne, Victoria 3000,
FRANKLIN TEMPLETON INVESTMENTS (ME) LIMITED  FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD  FRANKLIN TEMPLETON INVESTOR SERVICES, LLC  FRANKLIN TEMPLETON INVESTOR SERVICES, LLC  FRANKLIN TEMPLETON LUXEMBOURG S.A.  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  LOVEI 7, Gate Precinct Building 3, Unit 5, Dubai International Financial Centre, Sheikh Zayed Road, Dubai, UAE  First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa  10600 White Rock Road, Rancho Cordova, Ca 95670-6032  8A, rue Albert Borschette, L-1246, Luxembourg  8A, rue Albert Borsc	FRANKLIN TEMPLETON INVESTMENTS CORP.	
LIMITED  International Financial Centre, Sheikh Zayed Road, Dubai, UAE  FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD  FRANKLIN TEMPLETON INVESTOR SERVICES, LLC  FRANKLIN TEMPLETON LUXEMBOURG S.A.  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  International Financial Centre, Sheikh Zayed Road, Dubai, UAE  First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa  First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa  First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa  10600 White Rock Road, Rancho Cordova, Ca 95670-6032  FRANKLIN TEMPLETON MAGYARORSZAG KFT SAS Center, Sas u. 10-12, Budapest 1051, Hungary  8A, rue Albert Borschette, L-1246, Luxembourg  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  280 Park Avenue, New York, NY, 10017, United States  280 Park Avenue, New York, NY, 10017, United States  C/o Franklin Templeton Institutional, LLC, 280 Park Avenue, New York, NY, 10017, United States	LIMITED	1-9-10 Roppongi, Minato-ku, Tokyo, Japan
FRANKLIN TEMPLETON INVESTMENTS SOUTH AFRICA (PTY) LTD FRANKLIN TEMPLETON INVESTOR SERVICES, LLC FRANKLIN TEMPLETON LUXEMBOURG S.A. FRANKLIN TEMPLETON MAGYARORSZAG KFT FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC. FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  Dubai, UAE First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa 10600 White Rock Road, Rancho Cordova, Ca 95670-6032  8A, rue Albert Borschette, L-1246, Luxembourg SAS Center, Sas u. 10-12, Budapest 1051, Hungary 8A, rue Albert Borschette, L-1246, Luxembourg  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  C/o Franklin Templeton Institutional, LLC, 280 Park Avenue, New York, NY, 10017, United States	FRANKLIN TEMPLETON INVESTMENTS (ME)	
AFRICA (PTY) LTD  Newlands, Cape Town, 7700, South Africa  10600 White Rock Road, Rancho Cordova, Ca 95670-6032  FRANKLIN TEMPLETON LUXEMBOURG S.A.  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  Newlands, Cape Town, 7700, South Africa 10600 White Rock Road, Rancho Cordova, Ca 95670-6032  8A, rue Albert Borschette, L-1246, Luxembourg  8A, rue Albert Borschette, L-1246, Luxembourg  One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403  280 Park Avenue, New York, NY, 10017, United States  C/o Franklin Templeton Institutional, LLC, 280 Park Avenue, New York, NY, 10017, United States	LIMITED	Dubai, UAE
FRANKLIN TEMPLETON INVESTOR SERVICES, LLC  FRANKLIN TEMPLETON LUXEMBOURG S.A.  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  10600 White Rock Road, Rancho Cordova, Ca 95670-6032  8A, rue Albert Borschette, L-1246, Luxembourg		· · · · · · · · · · · · · · · · · · ·
FRANKLIN TEMPLETON LUXEMBOURG S.A.  FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  8A, rue Albert Borschette, L-1246, Luxembourg  8A, rue Albert Borschette, L-1246, Luxem	FRANKLÌN TÉMPLETON INVESTOR SERVICES,	10600 White Rock Road, Rancho Cordova, Ca 95670-
FRANKLIN TEMPLETON MAGYARORSZAG KFT  FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  C/O Franklin Templeton Institutional, LLC, 280 Park Avenue, New York, NY, 10017, United States		8A, rue Albert Borschette, L-1246, Luxembourg
FRANKLIN TEMPLETON MANAGEMENT LUXEMBOURG SA  FRANKLIN TEMPLETON PORTFOLIO ADVISORS, INC.  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  C/o Franklin Templeton Institutional, LLC, 280 Park Avenue, New York, NY, 10017, United States  C/o Franklin Templeton Institutional, LLC, 280 Park Avenue, New York, NY, 10017, United States		· · · · · · · · · · · · · · · · · · ·
INC. Mateo, California 94403  FRANKLIN TEMPLETON REAL ESTATE ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  C/o Franklin Templeton Institutional, LLC, 280 Park Avenue, New York, NY, 10017, United States	FRANKLIN TEMPLETON MANAGEMENT	
ADVISORS GP, LLC  FRANKLIN TEMPLETON REAL ESTATE  ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP  C/O Franklin Templeton Institutional, LLC, 280 Park  Avenue, New York, NY, 10017, United States	•	Mateo, California 94403
FRANKLIN TEMPLETON REAL ESTATE ADVISORS II GP, LLC  FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  280 Park Avenue, New York, NY, 10017, United States  c/o Franklin Templeton Institutional, LLC, 280 Park Avenue, New York, NY, 10017, United States		280 Park Avenue, New York, NY, 10017, United States
FRANKLIN TEMPLETON REAL ESTATE GROUP CARRY, L.P.  c/o Franklin Templeton Institutional, LLC, 280 Park Avenue, New York, NY, 10017, United States	FRANKLIN TEMPLETON REAL ESTATE	280 Park Avenue, New York, NY, 10017, United States
FRANKLIN TEMPLETON SWITZERLAND LTD Bahnhofstrasse 22, Ch-8022 Zurich, Switzerland	FRANKLIN TEMPLETON REAL ESTATE GROUP	
	FRANKLIN TEMPLETON SWITZERLAND LTD	Bahnhofstrasse 22, Ch-8022 Zurich, Switzerland

FRANKLIN TEMPLETON TRUSTEE SERVICES	Sakhar Bhavan, 1st Floor, 230 Backbay Reclamation,
PRIVATE LIMITED	Nariman Point, Mumbai 400-021
India	
FRANKLIN/TEMPLETON DISTRIBUTORS, INC.	One Franklin Parkway, San Mateo, CA 94403
FRANKLIN/TEMPLETON TRAVEL, INC.	One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403
FT OPPORTUNISTIC DISTRESSED FUND LTD	Maples Corporate Services Limited, PO Box 309, Ugland House, Grand Cayman, KY1-1104, Cayman Islands.
FTC INVESTOR SERVICES INC.	350 Seventh Avenue SW, Suite 3000, Calgary, Alberta, T2P 3N9
FTCI (CAYMAN) LTD.	Cayman National Trust Co. Ltd., Suite 6201, 62 Forum Lane, Grand Cayman, Cayman Islands
FTI South Africa	First Floor Kildare House, The Oval 1 Oakdale Road, Newlands, Cape Town, 7700, South Africa
ITI CAPITAL MARKETS LIMITED	Century Centre, 75 Ttk Road, Chennai, India 600018
LSIMC, LLC	One Franklin Parkway, Building 910, First Floor, San Mateo, California 94403
MUTUAL RECOVERY FUND, LTD.	P.O. Box 309GT, Ugland House, George Town, Grand Cayman, Cayman Islands, KY1-1104.
K2 Advisors Holdings, LLC	300 Atlantic Street, 12th Floor, Stamford, CT, 06901, United States
K2 Advisors LLC	300 Atlantic Street, 12th Floor, Stamford, CT, 06901, United States
K2/D&S Management Co., L.L.C.	300 Atlantic Street, 12th Floor, Stamford, CT, 06901, United States
K2 Advisors Japan Ltd.	Ark Hills Sengokuyama Mori Tower, 1-9-10 Roppongi, 40th Floor, Minato-ku, Tokyo 106-0032
K2/Highland Management Co., L.L.C.	300 Atlantic Street, 12th Floor, Stamford, CT, 06901, United States
RIVA FINANCIAL SYSTEMS LIMITED	St. George's Tower, Hope Street, Douglas IM1 1AR, Isle of Man
TEMPLETON ASSET MANAGEMENT (LABUAN) LIMITED	Tiara Labuan, Jalan Tanjung Batu, 87000 F.T. Labuan, Malaysia
TEMPLETON ASSET MANAGEMENT (POLAND) TFI S.A.	Rondo 1, 26th Floor, Rondo ONZ 1, Warsaw, 00-124, Poland
TEMPLETON ASSET MANAGEMENT LTD.	7 Temasek Boulevard, #38-03 Suntec Tower One, Singapore, 038987
Templeton Asset Management Limited Mexico, S.	Montes Urales, No. 770-401, Lomas de Chapultepec,
de R.L. de C.V. TEMPLETON CHINA RESEARCH LIMITED	Ciudad de México, D.F., Mexico, 11000
Central, Hong Kong	17/F, Charter House, 8 Connaught Road
TEMPLETON DO BRASIL LTDA.	Rua Lauro Muller 116, Sala 2404, Rio De Janeiro, RJ, Brazil
TEMPLETON FRANKLIN GLOBAL DISTRIBUTORS, LTD.	Appleby, Spurling & Kempe, 41 Cedar House Avenue, P.O. Box Hm 1179, Hamilton Hm Ex, Bermuda
TEMPLETON GLOBAL ADVISORS LIMITED	P.O. Box N-7759, Lyford Cay, Nassau, Bahamas
TEMPLETON GLOBAL HOLDINGS LTD.	P.O. Box N-7759, Lyford Cay, Nassau, Bahamas
TEMPLETON INTERNATIONAL, INC.	One Franklin Parkway, San Mateo, CA 94403
TEMPLETON INVESTMENT COUNSEL, LLC	300 S.E. 2nd Street, Fort Lauderdale, FL 33301
TEMPLETON CHINA RESEARCH LIMITED	17/F, Charter House, 8 Connaught Road Central, Hong Kong
TEMPLETON DO BRASIL LTDA.	Rua Lauro Muller 116, Sala 2404, Rio De Janeiro, RJ, Brazil

TEMPLETON FRANKLIN GLOBAL	Appleby, Spurling & Kempe, 41 Cedar House Avenue,
DISTRIBUTORS, LTD.	P.O. Box Hm 1179, Hamilton Hm Ex, Bermuda
TEMPLETON GLOBAL ADVISORS LIMITED	P.O. Box N-7759, Lyford Cay, Nassau, Bahamas
TEMPLETON GLOBAL HOLDINGS LTD.	P.O. Box N-7759, Lyford Cay, Nassau, Bahamas
TEMPLETON INTERNATIONAL, INC.	One Franklin Parkway, San Mateo, CA 94403
TEMPLETON INVESTMENT COUNSEL, LLC	300 S.E. 2nd Street, Fort Lauderdale, FL 33301
TEMPLETON RESTRUCTURED INVESTMENTS,	300 S.E. 2 <sup>nd</sup> Street, Fort Lauderdale, FL 33301
L.L.C.	
TEMPLETON RESTRUCTURED INVESTMENTS III,	300 S.E. 2 <sup>nd</sup> Street, Fort Lauderdale, FL 33301
LTD.	
TEMPLETON RESTRUCTURED INVESTMENTS	The offices of Mourant Ozannes Corporate Services
IV, LTD.	(Cayman) Limited, 94 Solaris Avenue, Camana Bay, P.O.
	Box 1348, Grand Cayman, KY1-1108, Cayman Islands
TEMPLETON WORLDWIDE, INC.	One Franklin Parkway, San Mateo, CA 94403
TEMPLETON/FRANKLIN INVESTMENT	26515 Carmel Rancho Blvd., Carmel, CA 93923
SERVICES, INC.	
TSEMF III (JERSEY) LIMITED	Elian Corporate Services (Jersey) Limited, 44 Esplanade,
	St Helier, Jersey, JE4 9WG, Jersey (Channel Islands)
TSEMF IV (JERSEY) LIMITED	Elian Corporate Services (Jersey) Limited, 44 Esplanade,
	St Helier, Jersey, JE4 9WG, Jersey (Channel Islands)

This is the annexure of 5 pages marked Annexure A signed by me and dated 18 August 2017.

Lori A. Weber, Assistant Secretary
Franklin Resources, Inc.

# ANNEXURE B DETAILS OF ENTITLEMENTS AND RELEVANT INTERESTS

1. Holder of Relevant Interest	2. Nature of Relevant Interest	3. Class & Number of Shares (Ordinary)	4. Date of Acquisition/ Disposal	5. Consideration in AUD\$		
Franklin Advisers, Inc.	Acquired	188,544	21 April 2017	7,353		
Franklin Advisers, Inc. Acquired		50,916	24 April 2017	1,986		
Franklin Advisers, Inc. Acquired		288,544	26 April 2017	10,878		
Franklin Advisers, Inc. Acquired		1,143,370	27 April 2017	42,648		
Franklin Advisers, Inc. Acquired		168,544	3 May 2017	6,573		
Franklin Advisers, Inc.	Acquired	88,544	4 May 2017	3,453		
Franklin Advisers, Inc.	Acquired	85,555	9 May 2017	3,337		
Franklin Advisers, Inc.	Acquired	103,879	10 May 2017	3,844		
Franklin Advisers, Inc.	Acceptances of the takeover offer pursuant to Geopacific Resources Limited's bidder's statement, dated 01 May 2017	63,247,371	1 August 2017	-		
Franklin Advisers, Inc.	Acquired	42,000,000	17 August 2017	1,260,000		

6. Registered Holder of Shares	7.	Class of Shares	Number of Shares
HSBC BANK AUSTRALIA BANK			
LIMITED		Ordinary	83,027,382
JPMORGAN CHASE BANK, N.A.		Ordinary	19,470,227

## **NOTES**

#### 1. Nature of Relevant Interest:

- Except as provided below, the relevant interest of each of FRI and the bodies corporate referred to in paragraph 1 of Annexure A was acquired by virtue of an associate of, or related body corporate each of FRI and the bodies corporate referred to in paragraph 1 of Annexure A, acquiring a relevant interest in voting shares of the company.
- The nature of the relevant interest acquired by the bodies corporate referred to in item 1 of Annexure B in relation to the voting shares referred to in item 3 of Annexure B arose by virtue of those companies having the right to dispose of the shares in the company as a result of the Investment Management Agreements.
- Particulars of any relevant agreement or other circumstances by which the relevant interest was acquired: the interests were acquired in the ordinary course of business on the stock market of a stock exchange in accordance with the rules of the stock exchange and containing no terms or conditions other than the standard terms or conditions.
- Particulars of 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 shares to which the relevant interests relates: not applicable.

#### 2. Consideration

Details of any and all benefits other than money, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition: not applicable.

This is the annexure of 2 pages marked Annexure B referred to in the Form 603 - Initial Substantial Shareholder Notice signed by me and dated 18 August 2017.
Lori A. Weber, Assistant Secretary Franklin Resources, Inc.