

Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To: Company Name/Scheme Vocus Group Ltd VOC.AX
ABN/ACN/ARSN 96 084 115 499

1. Details of substantial holder

Name Macquarie Group Limited ('MQG'); and
its controlled bodies corporate listed in Annexure A
(Macquarie Group Entities)
ABN/ACN/ARSN (if applicable) 122 169 279

The holder became a substantial holder on: 22 February 2019

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	Number of securities	Person's votes	Voting power
'FPO'	32,539,057	32,539,057	5.22%

3. Details of relevant interests

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

Holder of relevant interest	Nature of relevant interest	Number of securities	Class
MACQUARIE BANK LIMITED	Pursuant to section 608 of the Corporations Act	26,621,969	FPO
MACQUARIE INVESTMENT MANAGEMENT LTD	Pursuant to section 608 of the Corporations Act	1,317,346	FPO
MACQUARIE INVESTMENT MANAGEMENT GLOBAL LTD	Pursuant to section 608 of the Corporations Act	32,010	FPO
MACQUARIE INVESTMENT MANAGEMENT AUSTRALIA LTD	Pursuant to section 608 of the Corporations Act	4,567,732	FPO

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	Number of securities	Class
MACQUARIE BANK LIMITED	MACQUARIE BANK LIMITED	MACQUARIE BANK LIMITED	26,621,969	FPO
MACQUARIE INVESTMENT MANAGEMENT LTD	Bond Street Custodians Limited	Bond Street Custodians Limited	1,317,346	FPO
MACQUARIE INVESTMENT MANAGEMENT GLOBAL LTD	Northern Trust Corporation (Singapore Branch)	Northern Trust Corporation (Singapore Branch)	32,010	FPO
MACQUARIE INVESTMENT MANAGEMENT AUSTRALIA LTD	Northern Trust Corporation (Singapore Branch)	Northern Trust Corporation (Singapore Branch)	3,806,203	FPO
	Citibank Hong Kong	Citibank Hong Kong	718,698	FPO
	National Nominees Limited	National Nominees Limited	42,831	FPO

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	Number of securities	Class
See Annexure B				

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
Macquarie Group Limited & Macquarie Group Entities	Controlled Bodies Corporate

7. Addresses

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

Name	Address
MACQUARIE BANK LIMITED	Level 6, 50 Martin Place, Sydney NSW 2000, Australia
MACQUARIE EMG HOLDINGS PTY LIMITED	Level 6, 50 Martin Place, Sydney NSW 2000, Australia
MACQUARIE INVESTMENT MANAGEMENT LTD	Level 6, 50 Martin Place, Sydney NSW 2000, Australia
MACQUARIE INVESTMENT MANAGEMENT GLOBAL LTD	Level 6, 50 Martin Place, Sydney NSW 2000, Australia
MACQUARIE INVESTMENT MANAGEMENT AUSTRALIA LTD	Level 6, 50 Martin Place, Sydney NSW 2000, Australia
Macquarie Group Limited	Level 6, 50 Martin Place, Sydney NSW 2000, Australia

Signature

Print name Ida Lawrance

Capacity Company Secretary

Sign here

Date 27 February 2019

ANNEXURE 'A'

This is the annexure marked 'A' of 18 pages referred to in the Notice of initial substantial holder.

Ida Lawrence
Company Secretary, Macquarie Group Limited
27 February 2019

Controlled Bodies Corporate

ACN / Company No	Entity Name	Incorp Country
	A.C.N. 136 024 970 PTY LTD	Australia
	A.C.N. 153 275 677 Pty Ltd	Australia
	A.C.N. 154 402 927 Pty Ltd	Australia
	ACACIA RENEWABLES K.K.	Japan
	ACHIM SOLAR POWER CO., LTD.	Korea, Republic of
	Adagia B.V.	Netherlands
	Aerospace Finance 6771 UK Limited	United Kingdom
	Aerospace Finance 6816 UK Limited	United Kingdom
	Aerospace Finance 6818 UK Limited	United Kingdom
	AIF Business Solutions GmbH	Germany
	Alchemy Telco Solutions Limited	Ireland
3936270	Alster & Thames Partners (USA) LLC	United States
	ARAN SOLAR COMPANY LIMITED	Korea, Republic of
3336426	AVENAL POWER CENTER, LLC	United States
6326160	Battery Storage Holdings, LLC	United States
	BELIKE NOMINEES PTY. LIMITED	Australia
5602619	Bella Holdings LLC	United States
5602615	Bella Property Owner LLC	United States
	Bing TK Holdings Limited	United Kingdom
	Bing TK Limited	United Kingdom
	Bing TK Topco Limited	Jersey
0800500681	Blue Grass Abstract LLC	United States
0886119	Blueshine, LLC	United States
	Bluestone Equity Release Series 1 Warehouse Trust	Australia
5182626	Boketo LLC	United States
	BOND STREET CUSTODIANS LIMITED	Australia
	BOND STREET INVESTMENTS PTY. LIMITED	Australia
	BOSTON AUSTRALIA PTY LIMITED	Australia
	BOSTON LEASING PTY. LIMITED	Australia
	Bunhill Investments Unlimited	Jersey
	BUTTONWOOD NOMINEES PTY LIMITED	Australia
6664308	Canadian Breaks Holdings, LLC	United States
6435362	Canadian Breaks II LLC	United States
4644364	CANADIAN BREAKS LLC	United States
6664307	Canadian Breaks SponsorCo, LLC	United States
7008915	Candela Renewables Hamel DevCo, LLC	United States
	Capital Meters Holdings Limited	United Kingdom
	Capital Meters Limited	United Kingdom
6600262	CBP Holdings LLC	United States
	Chablis TK Holdings Limited	United Kingdom
	CHAPTRE GreenCo Holdings Limited	United Kingdom
	Cheeryble Developments Limited	United Kingdom
	CHINA PROPERTY INVESTMENTS LIMITED	Mauritius
6978311	CityPark I, LLC	United States
6978314	CityPark II, LLC	United States
6978309	CityPark III, LLC	United States
6978318	CityPark IV, LLC	United States
800500679	Closing Documentation Services, LLC	United States
4822590	CMC Holdco Inc.	United States
7159492	CMC Railroad Holdco LLC	United States
0130000200	CMC Railroad, LLC	United States
20131390812	Colorado - PTH, LLC	United States
	Comercializadora Energia de la Reforma S. de R.L. de C.V.	Mexico
	Comhar Housing Holdings Limited	Ireland
	Comhar Housing Investments Limited	United Kingdom
	Comhar Housing Limited	Ireland
20-5761962	Commerce and Industry Brokerage Inc.	United States
	Conergy Asia Pte. Ltd.	Singapore
	Conergy Renewable Services Philippines Inc.	Philippines
	Conergy Singapore SPV HoldCo. Pte. Ltd	Singapore
	Conergy Solar Australia Pty Limited	Australia

	Conergy Solar Japan KK	Japan
1102403	Connecticut Mystic Lien, LLC	United States
	Corona Energy Limited	United Kingdom
	Corona Energy Retail 1 Limited	United Kingdom
	Corona Energy Retail 2 Limited	United Kingdom
	Corona Energy Retail 3 Limited	United Kingdom
	Corona Energy Retail 4 Limited	United Kingdom
	Corona Energy Retail 5 Limited (In Voluntary Liquidation - 14 Dec. 2018)	United Kingdom
	Corona Gas Management Limited	United Kingdom
	Craighouse Investments Limited	United Kingdom
4100974	Crystal Screens Media Inc.	United States
6602737	CT MLH Bluff Road Venture, LLC	United States
	DALIAN II HOLDING COMPANY LIMITED	Mauritius
	Dalmatia WtE EUR Holdings Limited	United Kingdom
	Dalmatia WtE EUR Topco Limited	United Kingdom
	Danube Investments Limited	United Kingdom
L00004774381	DC - PTH, LLC	United States
	Delaware Capital Management	United States
4745573	Delaware Capital Management Advisers, Inc.	United States
2463784	Delaware Distributors, Inc.	United States
2463784	Delaware Distributors, L.P.	United States
	Delaware Emerging Market Debt Fund	United States
5481760	Delaware Investments Advisers Partner, Inc.	United States
	Delaware Investments Corporate Bond Fund (UCITs)	Ireland
5468376	Delaware Investments Distribution Partner, Inc.	United States
	Delaware Investments Fund Advisers	United States
	Delaware Investments Fund Services Company	United States
	Delaware Investments Global Value Equity (UCITs)	Ireland
	Delaware Investments Global Value Equity Fund (UCITs)	Ireland
2152992	Delaware Investments Management Company, LLC	United States
	Delaware Management Company	United States
	Delaware Management Trust Company	United States
2152977	Delaware Service Company, Inc.	United States
N/A	Delaware Small Cap Growth Fund	United States
	DELTA1 FINANCE TRUST	Australia
	DIVCO 22 PTY LIMITED	Australia
	EDUWEST EQUITY HOLDING PTY LIMITED	Australia
	EDUWEST PROJECT CO PTY LIMITED	Australia
	EDUWEST PROJECT HOLDING COMPANY PTY LIMITED	Australia
	ELAINE WINDFARM PTY LTD	Australia
6089236	Electrodes Holdings, LLC	United States
7106629	Elektron Holdings, Inc.	United States
	ELISE NOMINEES PTY LIMITED	Australia
	ENERGY PRATHAM INC.	Japan
	ENERGY-S COMPANY LIMITED	Korea, Republic of
	EQUITAS NOMINEES PTY. LIMITED	Australia
4605170	ERC Holdco LLC	United States
	EURO FIN CO PTY LTD	Australia
	Euro II PPP Platform GP Limited	United Kingdom
	Euro II PPP Platform LP Limited	United Kingdom
	Euro III Platform Partner Limited	United Kingdom
	Euro III PPP Platform GP Limited	United Kingdom
	Euro Investco PPP Ireland GP Limited	Ireland
	Euro IV PPP Platform GP Limited	United Kingdom
	EURO IV PPP PLATFORM LIMITED PARTNERSHIP	United Kingdom
	Euro IV PPP Platform Partner Limited	United Kingdom
	Euro PPP Platform GP Limited	United Kingdom
	Euro PPP Platform LP Limited	United Kingdom
4721352	FAS 1 LLC	United States
	FINCH SECURITIES LIMITED	Cayman Islands
	FIP Gestora de Recursos Ltda.	Brazil
L13000092770	FL - PTH 1, LLC	United States
L13000092810	FL - PTH 10, LLC	United States
L13000092775	FL - PTH 2, LLC	United States
L13000092804	FL - PTH 3, LLC	United States
L13000093115	FL - PTH 4, LLC	United States
L13000092807	FL - PTH 5, LLC	United States
L13000095313	FL - PTH 6, LLC	United States
L13000093080	FL - PTH 7, LLC	United States
L13000093080	FL - PTH 8, LLC	United States
L13000092789	FL - PTH 9, LLC	United States
L13000036286	Florida Coral Lien Investments, LLC	United States
L12000112190	Florida Dundee Lien Investments, LLC	United States
	Forth SPV 1 Limited	United Kingdom
	Forth SPV 2 Limited	United Kingdom
3432790	Four Corners Capital Management, LLC	United States

0931039	Fox-Pitt Kelton Cochran Caronia Waller (USA) LLC	United States
4100805	Fox-Pitt Kelton Cochran Caronia Waller LLC	United States
	Fox-Pitt, Kelton Limited	United Kingdom
	Fox-Pitt, Kelton N.V.	Curacao
	FPK Capital I CIP GP Limited	Jersey
4222775	Fremantle Energy Holdings, LLC	United States
4222772	Fremantle Energy, LLC	United States
3930054	Fremantle Wind Holdings Inc.	United States
	Fulfilment Services Limited	United Kingdom
	FUNDCORP PTY LIMITED	Australia
6949818	Fusion Management Holdings, LLC	United States
6949823	Fusion Property Holdings, LLC	United States
13426751	GA - PTH, LLC	United States
	GATESUN PTY. LIMITED	Australia
	GGB inBalans Investco Ireland GP Limited	Ireland
	GILLMAN PTY. LIMITED	Australia
DE 4579506	GLL 200 State Street Corp	United States
DE 5544219	GLL America's Fund GP Corp	United States
	GLL Asset Management GmbH	Germany
DE 6075361	GLL Asset Management LLC	United States
5672068	GLL BVK Austin GP Inc	United States
5545200	GLL BVK Denver GP Inc.	United States
DE 3964425	GLL BVK General Partner Inc	United States
6144518	GLL BVK Miracorp General Partner, Inc.	United States
5672655	GLL BVK W.Adams GP, Inc	United States
TN 508975	GLL Development & Management Inc	United States
	GLL Erste Verwaltungs GmbH	Germany
DE 5242699	GLL Fremont Interest II LLC	United States
	GLL Holding AG	Germany
5979562	GLL Hope Interest, LLC	United States
	GLL HR CEE Management GmbH	Germany
DE 4449047	GLL HRE General Partner Inc	United States
	GLL Investment Management GmbH	Germany
	GLL Management Company Sarl	Luxembourg
	GLL Office II Management GmbH	Germany
	GLL Office Management GmbH	Germany
	GLL Opportunities GP Sarl	Luxembourg
4161400	GLL Properties 444 North Michigan Corp.	United States
DE 4139375	GLL Properties Fund Corp. I	United States
DE 4139377	GLL Properties Fund Corp. II	United States
	GLL Real Estate Financial Services GmbH	Germany
	GLL Real Estate Partners GmbH	Germany
	GLL Real Estate Partners GmbH Limitada	Chile
	GLL real Estate Partners GmbH SAC	Peru
DE 3356331	GLL Real Estate Partners Inc	United States
	GLL Real Estate Partners Kapitalverwaltungsgesellschaft GmbH	Germany
	GLL Real Estate Partners Kft.	Hungary
	GLL Real Estate Partners LLC	Korea, Republic of
	GLL Retail Management GmbH	Germany
DE 4536845	GLL Selection II GP Corp	United States
	GLL Services Luxembourg Sarl	Luxembourg
DE 3536417	GLL US Office Corp	United States
DE 4149064	GLL US Retail Corp	United States
DE 4702859	GLL USA Management LLC	United States
	GLOBAL STAR GP LTD	Cayman Islands
	Globe Beteiligungs GmbH	Germany
	Gnowee Iberia Holdings Limited	United Kingdom
	GODO KAISHA ALPHA MEGA SOLAR PROJECT NO. 1	Japan
	GODO KAISHA ALPHA MEGA SOLAR PROJECT NO. 2	Japan
	GODO KAISHA HIMEJI TOHORI TAIYO-NO-SATO NO. 1	Japan
	Goonzaran Bluebell Funding Limited	United Kingdom
	Goonzaran Bluebell Leasing Limited	United Kingdom
	GRAY WHALE OFFSHORE WIND POWER NO. 1 CO., LTD.	Korea, Republic of
	GRAY WHALE OFFSHORE WIND POWER NO. 2 CO., LTD.	Korea, Republic of
	Green Empire WtE Holdings Limited	United Kingdom
	GREEN INNOVATION HOLDINGS LIMITED	Korea, Republic of
	Green Investment Group Investments Limited	United Kingdom
	Green Investment Group Limited	United Kingdom
	Green Investment Group Management Limited	United Kingdom
6891966	Hamel Renewables HoldCo, LLC	United States
6891963	Hamel Renewables, LLC	United States
3416168	Harrison Leasing Corporation	United States
	HBEAR CO. NO.1 LIMITED (in voluntary liquidation)	Ireland
	HC One PPP Investments Limited	United Kingdom
	HC Two PPP Investments Limited	United Kingdom
	HENDERSON WA PTY LIMITED	Australia

	HENDERSON WA TRUST	Australia
	Hermes Infrastructure Investco Ireland GP Limited	Ireland
6886123	Highland Capital Partners 9 (SPV), L.P.	United States
	HUB X PTY LIMITED	Australia
5428631	Hybrid-Electric Building Technologies Irvine 1, LLC	United States
5628813	Hybrid-Electric Building Technologies Irvine 2, LLC	United States
5628817	Hybrid-Electric Building Technologies West Los Angeles 1, LLC	United States
5629342	Hybrid-Electric Building Technologies West Los Angeles 2, LLC	United States
	Hydra Investments 2007 Limited	Jersey
	Ichinoseki 2 GK	Japan
	IDAMENEO (NO. 79) NOMINEES PTY. LIMITED	Australia
04164075	Illinois Salt Fox Investments, LLC	United States
2012121100175	Indiana TLP, LLC	United States
6168660	Integra Springs Property Owner LLC	United States
	ION ENERGY PTE. LIMITED	Singapore
	Jackson Leasing Limited	Cayman Islands
	JENEVER HOLDCO LIMITED	United Kingdom
	Jenever Midco Limited	United Kingdom
	Jenever Topco Limited	India
	JIG HOLDINGS LIMITED	Japan
	JURIS PARTNERSHIP MCHPL EQUITY HOLDING COMPANY PTY LTD	Australia
	JURIS PARTNERSHIP MCHPL PROJECT CO PTY LTD	Australia
	JURIS PARTNERSHIP MCHPL PROJECT HOLDING COMPANY PTY LTD	Australia
	Juuichi Limited (in voluntary liquidation)	Ireland
	Kearny Leasing Limited	Cayman Islands
4721412	Keba Energy LLC	United States
6982234	Kenosha Propco I, LLC	United States
	KGG Partners GmbH	Germany
	Kingswood Mortgages 2015-1 Holdings Limited	United Kingdom
	Kingswood Mortgages 2015-1 PLC	United Kingdom
	KUBIO GROUP PTY LTD	Australia
	L2 B.V.	Netherlands
	L2 B.V. (UK Branch)	United Kingdom
	LAKE GEORGE WIND FARM DEVELOPMENTS PTY LTD	Australia
	Lakehouse Mortgages Limited	United Kingdom
	LAL LAL WIND FARMS ASSET CO PTY LIMITED	Australia
	Lal Lal Wind Farms Asset Trust	Australia
	Lal Lal Wind Farms Hold Trust	Australia
	LAL LAL WIND FARMS HOLDINGS PTY LIMITED	Australia
	LAL LAL WIND FARMS PTY LIMITED	Australia
	LAON SOLAR COMPANY LIMITED	Korea, Republic of
4538814	Liberty Green Renewables Indiana, LLC	United States
0800500684	Lien Data Services, LLC	United States
	Lightning Bolt Germany GmbH (in liquidation)	Germany
	LOHAS ECE BROWN K.K.	Japan
6300390	Long Beach Airport Hangar Owner LLC	United States
7072619	LPC Brewster Creek I, LLC	United States
6982235	LPC Frederickson 1, LLC	United States
7072600	LPC Frederickson 2, LLC	United States
7072602	LPC Frederickson 3, LLC	United States
7072623	LPC Frederickson 4, LLC	United States
7072624	LPC Frederickson 5, LLC	United States
7072610	LPC Frederickson 5-a, LLC	United States
7072607	LPC Frederickson 6, LLC	United States
6830890	LPC Jessup I, LLC	United States
7072618	LPC Kenosha Holding Company III, LLC	United States
7027598	LPC Kenosha Holding Company, LLC	United States
6519881	LPC Kenosha I, LLC	United States
7072614	LPC Kenosha III, LLC	United States
6843223	LPC Pocono I, LLC	United States
6848315	LPC Southport I, LLC	United States
6876275	LPC Southport II, LLC	United States
6876274	LPC Southport III, LLC	United States
6876263	LPC Southport IV, LLC	United States
6717680	LPC Venture I, LLC	United States
6645392	M Acquisition Company IV Corporation	United States
6645377	M Acquisition Company V Corporation	United States
6953094	M Acquisition Company VI Corporation	United States
6953091	M Acquisition Company VII Corporation	United States
6645362	M Acquisition IV Sponsor, LLC	United States
6645349	M Acquisition V Sponsor, LLC	United States
6953089	M Acquisition VI Sponsor, LLC	United States
6953093	M Acquisition VII Sponsor, LLC	United States
	MAC FUND ONE TRUST	Australia
	MACQUARIE (ASIA) PTE LTD.	Singapore
	MACQUARIE (ASIA) PTE LTD. TAIWAN BRANCH	Taiwan

Macquarie (Bermuda) Limited	Bermuda
MACQUARIE (CIS) HOLDINGS PTY LTD	Australia
MACQUARIE (HK) FINANCIAL SERVICES LIMITED	Hong Kong
MACQUARIE (JAPAN) LIMITED	Japan
Macquarie (Scotland) GP Limited	United Kingdom
Macquarie (UK) Group Services Limited	United Kingdom
Macquarie Absolute Return Real Estate Fund (Master), Ltd.	Cayman Islands
MACQUARIE ACCEPTANCES PTY LIMITED	Australia
MACQUARIE ADMIN SERVICES PTY LIMITED	Australia
Macquarie Advanced Investment Partners G.P. Ltd.	Cayman Islands
Macquarie Advisory and Capital Markets South Africa Proprietary Limited	South Africa
Macquarie Aerospace AF (Ireland) Limited	Ireland
Macquarie Aerospace Finance 39414-1 Limited	Cayman Islands
Macquarie Aerospace Finance 39414-1 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 39414-2 Limited	United Kingdom
Macquarie Aerospace Finance 39425 AB	Sweden
Macquarie Aerospace Finance 39429 AS	Norway
Macquarie Aerospace Finance 39429 Limited	Cayman Islands
Macquarie Aerospace Finance 39429 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 39437 Limited	Ireland
Macquarie Aerospace Finance 39438 Limited	Cayman Islands
Macquarie Aerospace Finance 39440 Limited	Cayman Islands
Macquarie Aerospace Finance 39442 Limited	Ireland
Macquarie Aerospace Finance 40967 Limited	Ireland
Macquarie Aerospace Finance 4257-2 Limited	United Kingdom
Macquarie Aerospace Finance 4720 AS	Norway
Macquarie Aerospace Finance 4720-1 Limited	Ireland
Macquarie Aerospace Finance 4720-2 Limited	Ireland
Macquarie Aerospace Finance 4720-2 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5027 Limited	Ireland
Macquarie Aerospace Finance 5090 Limited	Ireland
Macquarie Aerospace Finance 5092 Limited	Ireland
Macquarie Aerospace Finance 5178 Limited	Cayman Islands
Macquarie Aerospace Finance 5178 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5315 Limited	Ireland
Macquarie Aerospace Finance 5315 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5403 Limited	Ireland
Macquarie Aerospace Finance 5433 Limited	United Kingdom
Macquarie Aerospace Finance 5466 Limited	Ireland
Macquarie Aerospace Finance 5482-2 Limited	United Kingdom
Macquarie Aerospace Finance 5673 Limited	Ireland
Macquarie Aerospace Finance 5673 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5742 Limited	Cayman Islands
Macquarie Aerospace Finance 5742 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5773 AS	Norway
Macquarie Aerospace Finance 5773 Limited	Cayman Islands
Macquarie Aerospace Finance 5773 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5822-1 Limited	Ireland
Macquarie Aerospace Finance 5822-2 Limited	Cayman Islands
Macquarie Aerospace Finance 5822-2 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5844 AS	Norway
Macquarie Aerospace Finance 5844 Limited	Cayman Islands
Macquarie Aerospace Finance 5844 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5857-1 Limited	Cayman Islands
Macquarie Aerospace Finance 5857-1 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5857-2 Limited	United Kingdom
Macquarie Aerospace Finance 5892-1 Limited	Cayman Islands
Macquarie Aerospace Finance 5892-1 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5892-2 Limited	United Kingdom
Macquarie Aerospace Finance 5951-1 Limited	Cayman Islands
Macquarie Aerospace Finance 5951-1 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5951-2 Limited	United Kingdom
Macquarie Aerospace Finance 5979-1 Limited	Cayman Islands
Macquarie Aerospace Finance 5979-1 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 5979-2 Limited	United Kingdom
Macquarie Aerospace Finance 5996 Limited	Cayman Islands
Macquarie Aerospace Finance 6025-1 Limited	Ireland
Macquarie Aerospace Finance 6025-2 Limited	Cayman Islands
Macquarie Aerospace Finance 6025-2 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 6039/6535 Limited	Ireland
Macquarie Aerospace Finance 6039/6535 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 6045 Limited	Ireland
Macquarie Aerospace Finance 6045 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 6079 Limited	Ireland
Macquarie Aerospace Finance 6079 Limited, UK Branch	United Kingdom
Macquarie Aerospace Finance 6081 Limited	Ireland

	Macquarie Aerospace Finance 6081 Limited, UK Branch	United Kingdom
	Macquarie Aerospace Finance 6113-1 Limited	Cayman Islands
	Macquarie Aerospace Finance 6113-1 Limited, UK Branch	United Kingdom
	Macquarie Aerospace Finance 6113-2 Limited	United Kingdom
	Macquarie Aerospace Finance 6140-1 Limited	Cayman Islands
	Macquarie Aerospace Finance 6140-1 Limited, UK Branch	United Kingdom
	Macquarie Aerospace Finance 6140-2 Limited	United Kingdom
	Macquarie Aerospace Finance 6220 Limited	Ireland
	Macquarie Aerospace Finance 6242 Limited	Cayman Islands
	Macquarie Aerospace Finance 6242 Limited, UK Branch	United Kingdom
	Macquarie Aerospace Finance 6254-1 Limited	Cayman Islands
	Macquarie Aerospace Finance 6254-1 Limited, UK Branch	United Kingdom
	Macquarie Aerospace Finance 6254-2 Limited	United Kingdom
	Macquarie Aerospace Finance 6288 Limited	Cayman Islands
	Macquarie Aerospace Finance 6320 AS	Norway
	Macquarie Aerospace Finance 6320 Limited	Cayman Islands
	Macquarie Aerospace Finance 6320 Limited, UK Branch	United Kingdom
	Macquarie Aerospace Finance 6321 Limited	Cayman Islands
	Macquarie Aerospace Finance 6422 AS	Norway
	Macquarie Aerospace Finance 6422 Limited	Cayman Islands
	Macquarie Aerospace Finance 6422 Limited, UK Branch	United Kingdom
	Macquarie Aerospace Finance Limited	Cayman Islands
	Macquarie Aerospace Finance Limited, UK Branch	United Kingdom
	Macquarie Aerospace Finance UK Limited	United Kingdom
5701594	Macquarie Aerospace Finance US Holdings LLC	United States
5701591	Macquarie Aerospace Finance US LLC	United States
6745579	Macquarie Aerospace Holdings Inc.	United States
	Macquarie Aerospace Holdings UK Limited	United Kingdom
	Macquarie Aerospace Investments Limited	United Kingdom
	Macquarie Aerospace Ireland Limited	Ireland
	MACQUARIE AEROSPACE LIMITED	Bermuda
	Macquarie Aerospace Limited, Dublin Branch	Ireland
4818780	Macquarie Aerospace LLC	United States
4768456	Macquarie Affiliated Managers (USA) Inc.	United States
4508116	Macquarie Affiliated Managers Holdings (USA) Inc.	United States
	MACQUARIE AFRICA PROPRIETARY LIMITED	South Africa
	MACQUARIE AGRICULTURAL FUNDS MANAGEMENT LTD	Australia
	MACQUARIE AGRICULTURAL FUNDS MANAGEMENT NO.2 PTY LIMITED	Australia
	MACQUARIE AIRCRAFT LEASING HOLDINGS PTY LIMITED	Australia
6797502	Macquarie Aircraft Leasing Inc.	United States
	Macquarie Aircraft Leasing Limited	Ireland
	MACQUARIE AIRCRAFT LEASING PTY LIMITED	Australia
	MACQUARIE AIRCRAFT LEASING SERVICES (AUSTRALIA) PTY LTD	Australia
	Macquarie Aircraft Leasing Services (Ireland) Limited	Ireland
	Macquarie Aircraft Leasing Services (Singapore) Pte. Ltd.	Singapore
	Macquarie Aircraft Leasing Services (UK) Limited	United Kingdom
4247748	Macquarie Aircraft Leasing Services (US), Inc.	United States
	MACQUARIE AIRCRAFT LEASING TRUST A	Australia
	Macquarie AirFinance (No 2) Limited	Ireland
	Macquarie AirFinance Acquisitions (Ireland) Limited	Ireland
	Macquarie AirFinance Acquisitions (Labuan) Limited	Malaysia
	Macquarie AirFinance Acquisitions (UK) Limited	United Kingdom
	Macquarie AirFinance Acquisitions Limited	Bermuda
	Macquarie AirFinance Acquisitions Limited, Dublin Branch	Ireland
	Macquarie AirFinance Aruba A.V.V.	Aruba
	Macquarie AirFinance Group Limited	United Kingdom
	Macquarie AirFinance Holdings Limited	United Kingdom
	Macquarie AirFinance Ltd.	Bermuda
	Macquarie AirFinance Ltd., Dublin Branch	Ireland
3461469	Macquarie Allegiance Capital, LLC	United States
5382413	Macquarie Alpine Inc.	United States
	MACQUARIE ALTERNATIVE ASSETS MANAGEMENT LIMITED	Australia
	Macquarie Alternative Strategies	United States
	Macquarie Amadeus Pty Limited	Australia
5259047	Macquarie AMC Investment REIT LLC	United States
4618137	Macquarie America Holdings Inc.	United States
4624506	Macquarie America Services Inc.	United States
	Macquarie Americas Alpha Fund	Cayman Islands
	Macquarie Americas Alpha Master Fund	Cayman Islands
	Macquarie Americas Alpha US Feeder Fund	Cayman Islands
3379259	MACQUARIE AMERICAS CORP.	United States
	MACQUARIE AMERICAS HOLDINGS PTY LTD	Australia
	Macquarie ASEAN Technology Investments Holdings GP Ltd.	Cayman Islands
	Macquarie Asia Infrastructure Management 2 Pte. Limited	Singapore
	Macquarie Asia Infrastructure Management Limited	Cayman Islands
	Macquarie Asia Securities Limited	Hong Kong

	Macquarie Asia Specialized Asset Management I Limited	Cayman Islands
	Macquarie Asset Advisers	United States
	Macquarie Asset Finance Holdings Limited	United Kingdom
	MACQUARIE ASSET FINANCE JAPAN LIMITED	Japan
	MACQUARIE ASSET FINANCE MAURITIUS LTD	Mauritius
	MACQUARIE ASSET FINANCE PTY LIMITED	Australia
	Macquarie Asset Holdings Limited	United Kingdom
4578015	MACQUARIE ASSET MANAGEMENT INC.	United States
	MACQUARIE ASSET MANAGEMENT JAPAN CO., LTD.	Japan
	MACQUARIE ASSET MANAGEMENT PTY LIMITED	Australia
	MACQUARIE AUSTRALIA PTY LIMITED	Australia
	MACQUARIE AUSTRALIA SECURITIES PTY LIMITED	Australia
	MACQUARIE AUSTRALIAN INFRASTRUCTURE MANAGEMENT 1 LIMITED	Australia
	MACQUARIE AUSTRALIAN INFRASTRUCTURE MANAGEMENT 2 LIMITED	Australia
	MACQUARIE AVENIR NO. 1 PTY LIMITED	Australia
	MACQUARIE AVENIR NO. 2 PTY LIMITED	Australia
	MACQUARIE AVIATION CAPITAL FINANCE LIMITED	Ireland
	Macquarie Aviation Capital Group Unlimited Company (in voluntary liquidation)	Ireland
	MACQUARIE B.H. PTY LTD	Australia
	Macquarie Bank International Limited	United Kingdom
	Macquarie Bank International Limited, Niederlassung Deutschland	Germany
	Macquarie Bank International Limited, Vienna Branch	Austria
	MACQUARIE BANK LIMITED	Australia
	Macquarie Bank Limited (DIFC Recognised Company)	United Arab Emirates
	MACQUARIE BANK LIMITED (HONG KONG BRANCH)	Hong Kong
	Macquarie Bank Limited (London Branch)	United Kingdom
	MACQUARIE BANK LIMITED (SEOUL BRANCH)	Korea, Republic of
	Macquarie Bank Limited (Zurich Rep Office)	Switzerland
	MACQUARIE BANK LIMITED SINGAPORE BRANCH	Singapore
	Macquarie Belgium TCG SPRL	Belgium
	Macquarie Beteiligungstreuhand GmbH	Germany
	MACQUARIE BRASIL PARTICIPACOES LTDA	Brazil
	MACQUARIE BUSINESS SOLUTIONS PTY LIMITED	Australia
6745553	Macquarie CAF Finance Inc.	United States
61-1735470	Macquarie CAF Holdings Inc.	United States
5481022	Macquarie CAF LLC	United States
5778415	Macquarie CAF Management LLC	United States
2920528	Macquarie CAF RE Holdings, Inc.	United States
	Macquarie Canada MPIP GP Ltd.	Canada
	Macquarie Canada MPIP LP Ltd.	Canada
	Macquarie Canada Services Ltd.	Canada
	Macquarie Canadian Investment Holdings Ltd.	Canada
	MACQUARIE CAPITAL (AUSTRALIA) LIMITED	Australia
	Macquarie Capital (Europe) Limited	United Kingdom
	Macquarie Capital (Europe) Limited Paris Branch	France
	Macquarie Capital (Europe) Limited, Amsterdam Branch	Netherlands
	Macquarie Capital (Europe) Limited, Dublin Branch	Ireland
	Macquarie Capital (Europe) Limited, Geneva Representative Office	Switzerland
	Macquarie Capital (Europe) Limited, Niederlassung Deutschland	Germany
	Macquarie Capital (Europe) Limited, Oficina de Representacion en Espana	Spain
	Macquarie Capital (Ireland) Designated Activity Company	Ireland
	MACQUARIE CAPITAL (KOREA) LIMITED	Korea, Republic of
	MACQUARIE CAPITAL (NEW ZEALAND) LIMITED	New Zealand
	MACQUARIE CAPITAL (SINGAPORE) PTE. LIMITED	Singapore
2382080	MACQUARIE CAPITAL (USA) INC.	United States
	Macquarie Capital Acquisitions (Canada) Ltd.	Canada
	Macquarie Capital Acquisitions (Canada) No.2 Ltd.	Canada
	MACQUARIE CAPITAL ADVISERS CRE PTY LTD	Australia
	MACQUARIE CAPITAL ARGENTINA PTY LTD	Australia
	Macquarie Capital Development Canada Ltd.	Canada
	MACQUARIE CAPITAL FINANCE (AUSTRALIA) PTY LTD	Australia
	MACQUARIE CAPITAL FINANCE HOLDINGS (AUSTRALIA) PTY LIMITED	Australia
	MACQUARIE CAPITAL FUNDING (LP) PTY LIMITED	Australia
5093047	Macquarie Capital Funding LLC	United States
	Macquarie Capital Holdings (Canada) Ltd.	Canada
3752829	Macquarie Capital Investment Management LLC	United States
	MACQUARIE CAPITAL LIMITED	Hong Kong
	MACQUARIE CAPITAL LIMITED (SEOUL BRANCH)	Korea, Republic of
	Macquarie Capital Limited, Taiwan Securities Branch	Taiwan
	Macquarie Capital Markets Canada Ltd./Marchés Financiers Macquarie Canada Ltée.	Canada
	Macquarie Capital Markets North America Ltd./Marchés Financiers Macquarie Amérique Du Nord Ltée.	Canada
6743725	Macquarie Capital Partners, LLC	United States
	Macquarie Capital Principal Holdings Canada Ltd	Canada
	Macquarie Capital Securities (India) Private Limited	India

	MACQUARIE CAPITAL SECURITIES (JAPAN) LIMITED	Cayman Islands
	MACQUARIE CAPITAL SECURITIES (JAPAN) LIMITED (TOKYO BRANCH)	Japan
	MACQUARIE CAPITAL SECURITIES (MALAYSIA) SDN. BHD.	Malaysia
	MACQUARIE CAPITAL SECURITIES (MAURITIUS) LIMITED	Mauritius
	Macquarie Capital Securities (Philippines) Inc.	Philippines
	MACQUARIE CAPITAL SECURITIES (SINGAPORE) PTE. LIMITED	Singapore
4733273	Macquarie Capital US Acquisitions LLC	United States
	MACQUARIE CAPITAL WIND MANAGEMENT PTY LTD	Australia
	MACQUARIE CAYMAN HOLDINGS 2 CO.	Cayman Islands
	MACQUARIE CAYMAN HOLDINGS CO	Cayman Islands
	MACQUARIE CGM TRADING PTY LIMITED	Australia
	MACQUARIE CHEONGNA INVESTMENT PTY LTD	Australia
	Macquarie China Logistics Fund Limited	Bermuda
7074328	Macquarie CMF LLC	United States
	MACQUARIE COMMODITIES (SINGAPORE) PTE. LIMITED	Singapore
	MACQUARIE COMMODITIES (SINGAPORE) PTE. LIMITED, Indonesia Rep. Office	Indonesia
	Macquarie Commodities (UK) Limited	United Kingdom
4383511	MACQUARIE COMMODITIES (USA) INC	United States
	Macquarie Commodities Brasil S/A	Brazil
	Macquarie Commodities Factoring Holdings (UK) Limited	United Kingdom
4662005	MACQUARIE COMMODITIES FACTORING LLC	United States
	Macquarie Commodities Finance (UK) Limited	United Kingdom
	Macquarie Commodities Holding Canada Ltd.	Canada
4071304	MACQUARIE COMMODITIES HOLDINGS (USA) LLC	United States
	Macquarie Commodities Trading (Ireland) Limited	Ireland
	MACQUARIE COMMODITIES TRADING (SHANGHAI) CO, LTD	China
	Macquarie Commodities Trading (Shanghai) Co, Ltd First Branch	China
	MACQUARIE COMMODITIES TRADING (SINGAPORE) PTE. LIMITED	Singapore
	MACQUARIE COMMODITIES TRADING AUSTRALIA PTY LIMITED	Australia
	MACQUARIE COMMODITIES TRADING BAHAMAS LTD	Bahamas
	Macquarie Commodities Trading Canada Ltd.	Canada
	MACQUARIE COMMODITIES TRADING PTY LIMITED	Australia
	Macquarie Commodities Trading SA	Switzerland
6324230	Macquarie Commodities Trading US, LLC	United States
	MACQUARIE COMMODITY MARKETS (SINGAPORE) PTE. LIMITED	Singapore
6953486	Macquarie Core Solar HoldCo, LLC	United States
	Macquarie Corona Energy Holdings Limited	United Kingdom
	Macquarie Corporate (Hong Kong) Limited	Hong Kong
	Macquarie Corporate and Asset Finance (Ireland) Limited (in voluntary liquidation)	Ireland
	Macquarie Corporate and Asset Finance 1 Limited	United Kingdom
	Macquarie Corporate and Asset Finance 2 Limited	United Kingdom
	MACQUARIE CORPORATE AND ASSET FINANCE LIMITED	Australia
4624264	MACQUARIE CORPORATE AND ASSET FUNDING INC.	United States
	MACQUARIE CORPORATE FINANCE HOLDINGS PTY LTD	Australia
	MACQUARIE CORPORATE FINANCE LIMITED	Australia
	MACQUARIE CORPORATE FINANCE LIMITED NIEDERLASSUNG DEUTSCHLAND	Germany
	Macquarie Corporate Holdings Belgium NV	Belgium
	Macquarie Corporate Holdings Europe Limited	Jersey
	MACQUARIE CORPORATE HOLDINGS PTY LIMITED	Australia
	Macquarie Corporate Holdings Pty Limited (UK Branch)	United Kingdom
	MACQUARIE CORPORATE INTERNATIONAL HOLDINGS PTY LIMITED	Australia
3835213	MACQUARIE COTTON INTERNATIONAL INC.	United States
5108711	Macquarie Credit Investment Management Inc.	United States
	MACQUARIE CREDIT NEXUS FUND LIMITED	Cayman Islands
	MACQUARIE CREDIT NEXUS MASTER FUND LIMITED	Cayman Islands
4774619	Macquarie Crop Partners GP, LLC	United States
	MACQUARIE DELTA1 FINANCE SERVICES PTY LIMITED	Australia
	Macquarie Denmark Limited A/S	Denmark
	MACQUARIE DEVELOPMENT CAPITAL II PTY LIMITED	Australia
	MACQUARIE DEVELOPMENT CAPITAL MANAGEMENT PTY LIMITED	Australia
	MACQUARIE DIRECT INVESTMENT PTY LIMITED	Australia
	Macquarie Distribution Finance Ltd.	Switzerland
	MACQUARIE DIVERSIFIED ASSET ADVISORY PTY LIMITED	Australia
4257710	MACQUARIE DYNAMIC MANAGEMENT (USA) INC	United States
	MACQUARIE EASTERN TRADING PTY LIMITED	Australia
Delaware #3567972	MACQUARIE ELECTRONICS USA INC	United States
	MACQUARIE EMERGING MARKETS ASIAN TRADING PTE. LIMITED	Singapore
	MACQUARIE EMERGING MARKETS ASIAN TRADING PTE. LIMITED (HONG KONG BRANCH)	Hong Kong
	Macquarie Emerging Markets Investments Pty Ltd	Australia
	MACQUARIE EMG HOLDINGS PTY LIMITED	Australia
	Macquarie Energia Brasil Comercializadora Ltda.	Brazil
	Macquarie Energia Brasil Ltda.	Brazil

	Macquarie Energy Canada Ltd.	Canada
	Macquarie Energy Holdings Canada Ltd.	Canada
	MACQUARIE ENERGY HOLDINGS PTY LTD	Australia
	MACQUARIE ENERGY HOLDINGS PTY LTD, Indonesia Foreign Trade Representative Office	Indonesia
	Macquarie Energy Leasing Limited	United Kingdom
2468860	Macquarie Energy LLC	United States
	Macquarie Energy Mexico, S. de R.L. de C.V.	Mexico
4708902	Macquarie Energy North America Investments, LLC	United States
4023666	MACQUARIE ENERGY NORTH AMERICA TRADING INC.	United States
6435636	Macquarie Energy Partners GP LLC	United States
6435641	Macquarie Energy Partners Inc.	United States
6435638	Macquarie Energy Partners, L.P.	United States
	MACQUARIE ENERGY SERVICES PTY LIMITED	Australia
4853290	Macquarie Energy Trading LLC	United States
5432297	Macquarie Equipment Capital Inc.	United States
	Macquarie Equipment Finance (Canada) Limited	Canada
	Macquarie Equipment Finance Designated Activity Company	Ireland
	Macquarie Equipment Finance Designated Activity Company (Registered as an external Company in South Africa)	South Africa
	MACQUARIE EQUIPMENT FINANCE LIMITED	New Zealand
	Macquarie Equipment Finance Ltd./Macquarie Financement d'Équipement Ltée.	Canada
	Macquarie Equipment Finance Services Limited	Ireland
	Macquarie Equipment Funding Limited	Ireland
	MACQUARIE EQUIPMENT LEASING SDN. BHD.	Malaysia
	MACQUARIE EQUIPMENT RENTALS PTY LIMITED	Australia
	MACQUARIE EQUITIES (US) HOLDINGS PTY. LIMITED	Australia
	MACQUARIE EQUITIES LIMITED	Australia
	MACQUARIE EQUITY CAPITAL MARKETS PTY LIMITED	Australia
	Macquarie Equity Investment Management (Beijing) Co., Ltd.	China
	Macquarie Euro Limited	United Kingdom
	MACQUARIE EUROPEAN FINANCIAL INVESTMENTS PTY LTD	Australia
	MACQUARIE EUROPEAN HOLDINGS PTY LIMITED	Australia
	MACQUARIE EUROPEAN HOLDINGS PTY LIMITED (HONG KONG	Hong Kong
	Macquarie European Investment Holdings Limited	United Kingdom
	Macquarie European Rail GmbH	Germany
	MACQUARIE EUROPEAN RAIL HOLDINGS PTY LIMITED	Australia
	Macquarie European Rail Limited	United Kingdom
	Macquarie European Rail Limited (Luxembourg Branch)	Luxembourg
5921410	Macquarie Executive Holdings LLC	United States
	Macquarie Factoring (UK) Limited	United Kingdom
	MACQUARIE FARM SERVICES PTY LIMITED	Australia
4822090	Macquarie Fastracks Holdings LLC	United States
4561295	Macquarie FG Holdings Inc.	United States
	Macquarie FICC (UK) Limited	United Kingdom
4822090	Macquarie FICC Holdings USA Inc.	United States
	MACQUARIE FIEX INVESTMENT PTY LIMITED	Australia
	MACQUARIE FINANCE (INDIA) PRIVATE LIMITED	India
	MACQUARIE FINANCE HOLDINGS LIMITED	Australia
	MACQUARIE FINANCE KOREA CO., LTD.	Korea, Republic of
	MACQUARIE FINANCE LIMITED	Australia
4551158	Macquarie Financial Holdings (USA) LLC	United States
	MACQUARIE FINANCIAL HOLDINGS PTY LIMITED	Australia
	MACQUARIE FINANCIAL HOLDINGS PTY LIMITED (HONG KONG BRANCH)	Hong Kong
	MACQUARIE FINANCIAL PRODUCTS MANAGEMENT LIMITED	Australia
	MACQUARIE FINANCIAL SERVICES (ASIA) PTE. LIMITED (in liquidation wef 29 Sep 2015)	Singapore
	MACQUARIE FINANCIAL SERVICES HOLDINGS PTY LIMITED	Australia
	Macquarie Financial Trustees Proprietary Limited	South Africa
	Macquarie Fonds GmbH	Germany
	Macquarie Fondsmanagement GmbH	Germany
	MACQUARIE FORESTRY SERVICES PTY LIMITED	Australia
	Macquarie Formosa 1 Co., Ltd.	Taiwan
	Macquarie Formosa Solar Co., Ltd.	Taiwan
	Macquarie France SARL	France
	MACQUARIE FUND ADVISERS PTY LIMITED	Australia
	Macquarie Fund Solutions- Emerging Markets Small Cap Fund	Luxembourg
	Macquarie Funding 1 Ltd.	Canada
	Macquarie Funding 4 Ltd.	Canada
	Macquarie Funding Holdings Canada Ltd.	Canada
4240236	MACQUARIE FUNDING HOLDINGS LLC	United States
	Macquarie Funding Inc.	Canada
	MACQUARIE FUNDING LIMITED PARTNERSHIP	Australia
5478057	Macquarie Funding LLC	United States
36-4784388	Macquarie Funding USA Inc.	United States

	MACQUARIE FUNDS MANAGEMENT HOLDINGS PTY LIMITED	Australia
	MACQUARIE FUNDS MANAGEMENT HONG KONG LIMITED	Hong Kong
	MACQUARIE FUTURES (SINGAPORE) PTE. LIMITED	Singapore
4088350	Macquarie Futures USA LLC	United States
	MACQUARIE FX INVESTMENTS PTY LTD	Australia
	MACQUARIE GCUH HOLDINGS PTY LIMITED	Australia
	Macquarie Germany Holdings GmbH	Germany
	Macquarie Global Bond Fund	Australia
	MACQUARIE GLOBAL FINANCE SERVICES (MAURITIUS) LIMITED	Mauritius
	Macquarie Global Investments (UK) Limited	United Kingdom
	Macquarie Global Multi Asset Income Fund (SICAV)	Luxembourg
	MACQUARIE GLOBAL OPPORTUNITIES PARTNERS G.P. LTD	Cayman Islands
	MACQUARIE GLOBAL OPPORTUNITIES PARTNERS INVESTMENT PTY	Australia
4332814	Macquarie Global Opportunities Partners LLC	United States
5787664	Macquarie Global Services (USA) LLC	United States
	MACQUARIE GLOBAL SERVICES PRIVATE LIMITED	India
	Macquarie GP Limited	United Kingdom
	Macquarie GP2 Limited	United Kingdom
	Macquarie Greater China Infrastructure Advisory Limited	Hong Kong
	Macquarie Greater China Infrastructure Management Limited	Cayman Islands
	MACQUARIE GROUP (US) HOLDINGS NO.1 PTY LTD	Australia
	MACQUARIE GROUP EMPLOYEE RETAINED EQUITY PLAN (MEREPA Trust)	Australia
	MACQUARIE GROUP HOLDINGS (SINGAPORE) PTE. LIMITED	Singapore
	Macquarie Group Holdings (UK) No.1 Limited	United Kingdom
	Macquarie Group Holdings (UK) No.2 Limited	United Kingdom
	MACQUARIE GROUP HOLDINGS NEW ZEALAND LIMITED	New Zealand
	MACQUARIE GROUP HOLDINGS NO.3 PTY LTD	Australia
	Macquarie Group Investments (UK) No.1 Limited	United Kingdom
	Macquarie Group Investments (UK) No.2 Limited	United Kingdom
	MACQUARIE GROUP LIMITED	Australia
	MACQUARIE GROUP SERVICES (SINGAPORE) PTE. LIMITED	Singapore
	MACQUARIE GROUP SERVICES AUSTRALIA PTY LTD	Australia
	MACQUARIE GROUP SERVICES AUSTRALIA PTY LTD (UK BRANCH)	United Kingdom
	Macquarie Group Services Australia PTY LTD, Ireland Branch	Ireland
	MACQUARIE GROUP TREASURY PTY LTD	Australia
	Macquarie Holdings (Canada) Ltd	Canada
	Macquarie Holdings (Mexico), S.A. DE C.V.	Mexico
	MACQUARIE HOLDINGS (SINGAPORE) PTE. LTD.	Singapore
2428034	MACQUARIE HOLDINGS (U.S.A.) INC.	United States
	Macquarie Holdings (UK) No.1 Limited	United Kingdom
	MACQUARIE HOLDINGS 2 (SINGAPORE) PTE. LIMITED	Singapore
	Macquarie Holdings South Africa Proprietary Limited	South Africa
	MACQUARIE HOLDINGS TRUST (terminated 31/10/2018)	Australia
	Macquarie Hong Kong Finance Limited	Cayman Islands
	Macquarie Hong Kong Finance Limited (Hong Kong Branch)	Hong Kong
	MACQUARIE I A RETURNS PTY LIMITED	Australia
3075842	MACQUARIE INC	United States
	MACQUARIE INDIA HOLDINGS LIMITED	Mauritius
	MACQUARIE INDIA INFRASTRUCTURE MANAGEMENT HOLDINGS PTE. LIMITED	Singapore
	MACQUARIE INDUSTRIAL INVESTMENTS MALTA LIMITED	Malta
	MACQUARIE INFRASTRUCTURE ADVISORY (PHILIPPINES) INC.	Philippines
	Macquarie Infrastructure and Real Assets (Europe) Limited	United Kingdom
	Macquarie Infrastructure and Real Assets (Europe) Limited (Spain)	Spain
	Macquarie Infrastructure and Real Assets (Europe) Limited, (Germany)	Germany
	Macquarie Infrastructure and Real Assets (Europe) Limited, DIFC Representative Office	United Arab Emirates
	Macquarie Infrastructure and Real Assets (Europe) Limited, Paris Branch	France
	Macquarie Infrastructure and Real Assets (Hong Kong) Limited	Hong Kong
	Macquarie Infrastructure and Real Assets (India) Private Limited	India
	Macquarie Infrastructure and Real Assets (Sales) Canada Ltd	Canada
	MACQUARIE INFRASTRUCTURE AND REAL ASSETS (SINGAPORE) PTE. LIMITED	Singapore
	Macquarie Infrastructure and Real Assets Core Limited	United Kingdom
	MACQUARIE INFRASTRUCTURE AND REAL ASSETS HOLDINGS PTY	Australia
20-8983572	Macquarie Infrastructure and Real Assets Inc.	United States
	Macquarie Infrastructure and Real Assets Investments (Luxembourg) S.à r.l.	Luxembourg
	Macquarie Infrastructure and Real Assets Investments 2 Limited (Strike Off Requested 12/02/2019)	United Kingdom
	Macquarie Infrastructure and Real Assets Investments 3 Limited	United Kingdom
	Macquarie Infrastructure and Real Assets Investments Limited	United Kingdom
	Macquarie Infrastructure and Real Assets México, S.A. de C.V.	Mexico
	MACQUARIE INFRASTRUCTURE AND REAL ASSETS PTY LIMITED	Australia
	Macquarie Infrastructure and Real Assets S.à r.l.	Luxembourg
5294176	Macquarie Infrastructure Developments LLC	United States
	MACQUARIE INFRASTRUCTURE FUNDS MANAGEMENT PTY LIMITED	Australia

	Macquarie Infrastructure GP Limited	United Kingdom
	MACQUARIE INFRASTRUCTURE LIMITED	Cayman Islands
	MACQUARIE INFRASTRUCTURE MANAGEMENT (ASIA) PTY LIMITED	Australia
	MACQUARIE INFRASTRUCTURE MANAGEMENT (ASIA) PTY LIMITED - SINGAPORE BRANCH	Singapore
	MACQUARIE INFRASTRUCTURE MANAGEMENT (AUSTRALIA) LIMITED	Australia
3707788	MACQUARIE INFRASTRUCTURE MANAGEMENT (USA) INC	United States
	MACQUARIE INFRASTRUCTURE MANAGEMENT LIMITED	Australia
	Macquarie Infrastructure Partners Canada GP Ltd.	Canada
6372304	Macquarie Infrastructure Partners II GP LLC	United States
5260689	Macquarie Infrastructure Partners III GP LLC	United States
4088348	MACQUARIE INFRASTRUCTURE PARTNERS INC	United States
6232309	Macquarie Infrastructure Partners IV GP LLC	United States
4106439	Macquarie Infrastructure Partners U.S. GP LLC	United States
	Macquarie Infrastructure Philippines Limited	Bermuda
	MACQUARIE INFRASTRUCTURE REINSURANCE COMPANY LIMITED	Bermuda
	Macquarie Innovative Vision Fund II L.P.	Cayman Islands
	Macquarie Innovative Vision Fund Manager Limited	Cayman Islands
	Macquarie Innovative Vision Partners II Limited	Cayman Islands
	Macquarie Innovative Vision Partners Limited	Cayman Islands
	MACQUARIE INSURANCE (SINGAPORE) PTE. LTD.	Singapore
	Macquarie Insurance Facility Luxembourg S.à r.l.	Luxembourg
	MACQUARIE INTERNATIONAL FINANCE LIMITED	Australia
	Macquarie International Holdings Limited	United Kingdom
	MACQUARIE INTERNATIONAL HOUSING AND LAND CONSULTING (SHANGHAI) COMPANY LIMITED	China
	MACQUARIE INTERNATIONAL INVESTMENTS PTY LIMITED	Australia
	Macquarie International Limited	United Kingdom
	MACQUARIE INTERNATIONAL LIMITED (HONG KONG BRANCH)	Hong Kong
	MACQUARIE INTERNATIONAL NEW YORK PARKING CO	Cayman Islands
	Macquarie International Services Limited	Hong Kong
	Macquarie Internationale Investments Limited	United Kingdom
	Macquarie Internet Investments Fund II L.P.	Cayman Islands
	Macquarie Internet Investments Limited	Hong Kong
	MACQUARIE INVESTMENT (HONG KONG) LIMITED	Hong Kong
	MACQUARIE INVESTMENT ADVISORY (BEIJING) CO LTD	China
	MACQUARIE INVESTMENT ADVISORY (BEIJING) CO LTD (SHANGHAI BRANCH)	China
	Macquarie Investment Consulting (Shanghai) Co Ltd.	China
	Macquarie Investment Consulting (Shanghai) Co Ltd. (Shanghai Branch)	China
	MACQUARIE INVESTMENT HOLDINGS NO.2 PTY LIMITED	Australia
	MACQUARIE INVESTMENT HOLDINGS PTY LIMITED	Australia
	MACQUARIE INVESTMENT MANAGEMENT (BERMUDA) LIMITED	Bermuda
	Macquarie Investment Management Advisers	United States
	MACQUARIE INVESTMENT MANAGEMENT AUSTRALIA LIMITED	Australia
	Macquarie Investment Management Austria Kapitalanlage AG	Austria
	Macquarie Investment Management Business Trust	United States
	Macquarie Investment Management Europe Limited	United Kingdom
	Macquarie Investment Management Europe Limited (Italy Representative Office)	Italy
	Macquarie Investment Management Europe Limited, Niederlassung München	Germany
	Macquarie Investment Management Europe SA	Luxembourg
5895225	Macquarie Investment Management General Partner, Inc.	United States
	MACQUARIE INVESTMENT MANAGEMENT GLOBAL LIMITED	Australia
	Macquarie Investment Management Holdings (Austria) GmbH	Austria
	Macquarie Investment Management Holdings (Luxembourg) S.à r.l.	Luxembourg
	MACQUARIE INVESTMENT MANAGEMENT HOLDINGS PTY LIMITED	Australia
	MACQUARIE INVESTMENT MANAGEMENT KOREA CO., LTD.	Korea, Republic of
	MACQUARIE INVESTMENT MANAGEMENT LTD	Australia
	Macquarie Investment Management Switzerland GmbH	Switzerland
	MACQUARIE INVESTMENT SERVICES LIMITED	Australia
	MACQUARIE INVESTMENTS (SINGAPORE) LIMITED	Cayman Islands
	Macquarie Investments (UK) Limited	United Kingdom
	Macquarie Investments 1 Limited	United Kingdom
	Macquarie Investments 2 Limited	United Kingdom
	Macquarie Investments 3 Limited	United Kingdom
	MACQUARIE INVESTMENTS AUSTRALIA PTY LIMITED	Australia
	Macquarie Investments Deutschland GmbH	Germany
4092888	Macquarie Investments LLC	United States
	Macquarie Investments Proprietary Limited	South Africa
5016403	Macquarie Investments US Inc.	United States
	MACQUARIE INVESTORS PTY LTD	Australia
	MACQUARIE JAPAN INFRASTRUCTURE NO.1 PTY LIMITED	Australia
	MACQUARIE JAPAN INFRASTRUCTURE NO.1 PTY LIMITED (JAPAN)	Japan
	MACQUARIE JAPAN INFRASTRUCTURE NO.2 PTY LIMITED	Australia
	MACQUARIE JAPAN INFRASTRUCTURE NO.3 PTY LIMITED	Australia

	MACQUARIE JAPAN INFRASTRUCTURE NO.4 PTY LIMITED	Australia
	MACQUARIE JAPAN INFRASTRUCTURE NO.4 PTY LIMITED (JAPAN	Japan
	Macquarie Juweel Investor LP	United Kingdom
	MACQUARIE KOREA ASSET MANAGEMENT CO., LTD.	Korea, Republic of
	MACQUARIE KOREA OPPORTUNITIES MANAGEMENT, LTD.	Korea, Republic of
	MACQUARIE LAH PTY LIMITED	Australia
	MACQUARIE LEASING (CHINA) CO LIMITED	China
	Macquarie Leasing (UK) Limited	United Kingdom
4039167	Macquarie Leasing Inc.	United States
	Macquarie Leasing Limited	United Kingdom
	MACQUARIE LEASING NSW PTY LTD	Australia
	MACQUARIE LEASING PTY LTD	Australia
	Macquarie Lending & Investment Partners LLP	United Kingdom
	MACQUARIE LIFE LIMITED	Australia
	Macquarie Management GmbH	Germany
2297591	Macquarie Management Holdings, Inc.	United States
	MACQUARIE MASTER GEARED GROWTH FUND	Australia
	MACQUARIE MASTER SMALL COMPANIES FUND	Australia
	MACQUARIE MAURITIUS INVESTMENTS LIMITED	Mauritius
	MACQUARIE MDW INVESTMENTS PTY LTD	Australia
	MACQUARIE MEREENIE PTY LTD	Australia
	Macquarie Metals and Energy Capital (Canada) Ltd.	Canada
	Macquarie Meters 2 (UK) Limited	United Kingdom
	Macquarie Meters 3 (UK) Limited	United Kingdom
	Macquarie Meters 4 Limited	Hong Kong
	Macquarie Meters 5 (UK) Limited	United Kingdom
	MACQUARIE MEXICO INFRASTRUCTURE MANAGEMENT, S.A. DE C.V.	Mexico
	Macquarie Mexico Real Estate Management, S.A. de C.V.	Mexico
	MACQUARIE MIDDLE EAST HOLDINGS PTY LIMITED	Australia
	MACQUARIE MINING AND ENERGY INVESTMENTS PTY LIMITED	Australia
	MACQUARIE MIRA FUND INVESTMENTS PTY LTD	Australia
	MACQUARIE MORTGAGES CANADA HOLDINGS PTY LIMITED	Australia
	MACQUARIE MORTGAGES PTY LIMITED	Australia
010473862-3438695	MACQUARIE MORTGAGES USA INC	United States
	MACQUARIE NE HOLDINGS (SINGAPORE) PTE. LIMITED (in liquidation wef 28/11/2016)	Singapore
	Macquarie New World Gaming Canada Ltd.	Canada
	Macquarie New World Gaming Partnership	Canada
5791141	Macquarie NG-KIH Holdings, LLC	United States
	MACQUARIE NOOSA PTY LTD	Australia
	Macquarie North America Ltd.	Canada
	Macquarie NRAS Trust	Australia
6116334	Macquarie Nufang US LLC	United States
	MACQUARIE NZ HOLDINGS PTY LIMITED	Australia
	MACQUARIE OFFSHORE SERVICES PTY LTD	Australia
	Macquarie Offshore Services Pty Ltd - Philippine Branch	Philippines
	Macquarie Offshore Wind Europe 1 Limited	United Kingdom
4207954	MACQUARIE OIL AND GAS HOLDINGS INC	United States
	Macquarie Oil Services Canada Ltd.	Canada
	MACQUARIE ONE LIMITED	United Arab Emirates
4662005	Macquarie Opportunities Inc.	United States
	MACQUARIE OPTIONS PTY. LIMITED	Australia
	MACQUARIE PAYMENTS INFRASTRUCTURE HOLDINGS PTY LIMITED	Australia
7133525	Macquarie PF Inc.	United States
7133536	Macquarie PF LLC	United States
	Macquarie Physical Commodities UK Limited	United Kingdom
4708900	Macquarie Physical Commodities, LLC	United States
4965122	Macquarie Physical Metals (USA) Inc.	United States
	MACQUARIE PRINCIPAL FINANCE ASIA PTE. LIMITED	Singapore
	MACQUARIE PRINCIPAL FINANCE PTY LIMITED	Australia
	Macquarie Principal Finance Pty Limited, UK Branch	United Kingdom
	Macquarie Principal Finance UK Limited	United Kingdom
	MACQUARIE PRINCIPAL PTY LIMITED	Australia
	MACQUARIE PRISM PTY LIMITED	Australia
	MACQUARIE PRIVATE CAPITAL MANAGEMENT PTY LIMITED	Australia
6095450	Macquarie Private Debt Asset Management, LLC	United States
	Macquarie Private Debt Europe Limited	Ireland
	Macquarie Private Portfolio Management Pty Limited	Australia
	Macquarie Products (Ireland) Limited	Ireland
	Macquarie Professional Series Global Equity Fund	Australia
	Macquarie Projects Limited	Hong Kong
	MACQUARIE PROPERTY (OBU) PTY LIMITED	Australia
	MACQUARIE RADAR HOLDINGS PTY LIMITED	Australia
	Macquarie Rail Canada Limited	Canada
4701081	Macquarie Real Estate Absolute Return Partners, Inc.	United States
4504560	MACQUARIE REAL ESTATE ADVISORY SERVICES LLC	United States

6300458	Macquarie Real Estate Funds Management Inc.	United States
	MACQUARIE REAL ESTATE INVESTMENT HOLDING (ASIA PACIFIC) PTY LIMITED	Australia
	MACQUARIE REAL ESTATE INVESTMENT HOLDING (AUSTRALIA) PTY LIMITED	Australia
6717684	Macquarie Real Estate Investments Holdings (North America), Inc.	United States
	Macquarie Renaissance Corporate Finance Holdings Limited	Cyprus
	MACQUARIE RENEWABLE ENERGY HOLDINGS PTY LIMITED	Australia
4454539	MACQUARIE RENEWABLE ENERGY INC	United States
	Macquarie Renewables Asset Trust	Australia
	Macquarie Renewables Project Trust	Australia
	Macquarie Resource Capital Canada Ltd.	Canada
	Macquarie Restorations Limited	United Kingdom
	Macquarie Retail Management (Asia) Limited	Hong Kong
	MACQUARIE RETAIL REAL ESTATE MANAGEMENT LIMITED	Hong Kong
7157620	Macquarie Rotorcraft Holdings LLC	United States
	Macquarie Rotorcraft Leasing (Ireland) Limited	Ireland
	MACQUARIE ROTORCRAFT LEASING GROUP LIMITED	Ireland
	Macquarie Rotorcraft Leasing Holdings Limited	United Kingdom
	Macquarie Rotorcraft Leasing Services (Hong Kong) Limited	Hong Kong
	Macquarie Rotorcraft Leasing Services (UK) Limited	United Kingdom
5353706	Macquarie Rotorcraft Leasing, Inc.	United States
	MACQUARIE SCT PTY LIMITED	Australia
	MACQUARIE SECURITIES (AUSTRALIA) LIMITED	Australia
	MACQUARIE SECURITIES (AUSTRALIA) LIMITED SHANGHAI REPRESENTATIVE OFFICE	China
	MACQUARIE SECURITIES (NZ) LIMITED	New Zealand
	MACQUARIE SECURITIES (THAILAND) LIMITED	Thailand
	Macquarie Securities Financing Ltd (Canada)	Canada
	MACQUARIE SECURITIES KOREA LIMITED	Korea, Republic of
	MACQUARIE SECURITIES MANAGEMENT PTY LIMITED	Australia
	MACQUARIE SECURITIES SOUTH AFRICA LIMITED	South Africa
	MACQUARIE SECURITISATION (HONG KONG) LIMITED	Hong Kong
	MACQUARIE SECURITISATION (OBU) PTY LIMITED	Australia
	MACQUARIE SECURITISATION LIMITED	Australia
	Macquarie Septa (Guernsey), LLP	Guernsey
	Macquarie Septa (UK) I, LP	United Kingdom
	Macquarie Septa (UK) II, LP	United Kingdom
5805188	Macquarie Septa (US) I, LLC	United States
5908890	Macquarie Septa Aero, LLC	United States
	MACQUARIE SERVICES (HONG KONG) LIMITED	Hong Kong
	MACQUARIE SERVICES (MEXICO), S.A. de C.V.	Mexico
4867820	Macquarie Services (USA) LLC	United States
	MACQUARIE SERVICES PARTNERSHIP PTY LIMITED	Australia
	Macquarie Services SA	Switzerland
	Macquarie Servicios Electricos de Mexico S. de R.L de C.V.	Mexico
	Macquarie Servicos Agricolas Limitada	Brazil
5100455	Macquarie Sierra Investment Holdings Inc.	United States
	MACQUARIE SPECIALISED ACCOMMODATION SOLUTIONS PTY LIMITED	Australia
	MACQUARIE SPECIALISED ASSET MANAGEMENT (BERMUDA) LIMITED	Bermuda
	MACQUARIE SPECIALISED ASSET MANAGEMENT 2 LIMITED	Australia
	MACQUARIE SPECIALISED ASSET MANAGEMENT LIMITED	Australia
	Macquarie Specialised Investment Solutions Limited	United Kingdom
	MACQUARIE SPECIALIST INVESTMENTS LENDING LIMITED	Australia
5167283	Macquarie Storage Investments Inc.	United States
6439492	Macquarie Strategic Funding Holdings Inc.	United States
	MACQUARIE STRUCTURED AND SPECIALIST INVESTMENTS HOLDINGS PTY LIMITED	Australia
	Macquarie Structured Products (Europe) GmbH	Germany
	Macquarie Structured Products (International) Limited (Registered as an external Company in South Africa)	South Africa
	MACQUARIE STRUCTURED PRODUCTS (INTERNATIONAL) PTY LIMITED	Australia
	Macquarie Structured Securities (Europe) Public Limited Company	Ireland
	MACQUARIE SWAN STREET PTY LIMITED	Australia
	MACQUARIE SYNDICATION (NO.12) PTY LIMITED	Australia
	MACQUARIE TECHNOLOGY INVESTMENTS PTY LIMITED	Australia
	Macquarie Technology Services (Canada) Ltd.	Canada
	MACQUARIE TECHNOLOGY VENTURES PTY LTD	Australia
5336399	Macquarie Texas Loan Holder LLC	United States
	MACQUARIE THIRTY-THIRD AVIATION LEASING PTY. LIMITED	Australia
4240237	Macquarie Trading Services Inc.	United States
	Macquarie Transportation Finance Limited	United Kingdom
	Macquarie Transportation Holdings Limited	United Kingdom
	Macquarie Treuervermögen GmbH	Germany
	Macquarie Trustees South Africa Proprietary Limited	South Africa
	MACQUARIE TWENTIETH AVIATION LEASING PTY. LIMITED	Australia

	Macquarie UK Holdings Limited	United Kingdom
	Macquarie UK Passenger Leasing Limited	United Kingdom
5235726	Macquarie US Gas Supply LLC	United States
5812073	Macquarie US MPIP GP LLC	United States
5812074	Macquarie US MPIP LP LLC	United States
	Macquarie US Smaller Companies	Luxembourg
5016402	Macquarie US Trading LLC	United States
	MACQUARIE VEHICLES (NZ) LIMITED	New Zealand
	Macquarie Ventures (Hong Kong) Limited	Hong Kong
	Macquarie Vermögenstreuhand GmbH	Germany
	Macquarie Verwaltungs GmbH	Germany
	MACQUARIE WORSLEY HOLDINGS PTY LIMITED	Australia
	Macquarie Zhaopin Holdings Limited	Cayman Islands
5263003	Macquarie-PowerFin Solar, LLC	United States
	MAFCA INVESTMENTS PTY LIMITED	Australia
	MAIF 2 Luxembourg GP S.à r.l.	Luxembourg
	MAIF2 Executives SCSp	Luxembourg
	MALL Partners I, LDC	Cayman Islands
	MALL Partners II Limited	Cayman Islands
	MALL Partners III Limited	Cayman Islands
	MAP HOLDING TRUST	Australia
	MARU SOLAR COMPANY LIMITED	Korea, Republic of
	MASC (France) SARL	France
	MASL (Labuan) Limited	Malaysia
	MASL Ireland (11) Limited	Ireland
	MASL Ireland (13) Limited	Ireland
	MASL Ireland (14) Limited	Ireland
	MASL Ireland (22) Limited	Ireland
	MASL Ireland (28) Limited	Ireland
	MASL Ireland (29) Limited	Ireland
	MASL Ireland (31) Limited	Ireland
	MASL Ireland (34) Limited	Ireland
	MASL Ireland (35) Limited	Ireland
	MASL Ireland (4) Limited	Ireland
	MASL Ireland (6) Limited	Ireland
	MASL Ireland (7) Limited	Ireland
	MASL Ireland (8) Limited	Ireland
	MASL Sweden (1) AB	Sweden
	MASL Sweden (8) AB	Sweden
	MASL UK (1) Limited	United Kingdom
	Mazi Macquarie Securities (RF) Proprietary Limited	South Africa
	MBE Operating Company Designated Activity Company	Ireland
	MBL COVERED BOND TRUST	Australia
	MBL REALTY INVESTMENT MANAGEMENT PTY. LIMITED (IN DEREGISTRATION)	Australia
	MC Capital Group Unlimited Company (in voluntary liquidation)	Ireland
	MC EDUCATION HOLDINGS PTY LTD	Australia
4526019	MCP Solar Assets Partners I LLC	United States
452697	MCP Solar Assets Partners II LLC	United States
W15325376	MD - PTH, LLC	United States
5567672	Meadowlark Depositor LLC	United States
5493379	Medical Student Loan Trust	United States
	MEIF (UK) Limited	United Kingdom
	MEIF 5 Executives LP	United Kingdom
	MEIF 5 Guernsey GP Limited	Guernsey
	MEIF 5 Luxembourg GP S.à r.l.	Luxembourg
	MEIF 5 MA LP	United Kingdom
	MEIF 6 Executives SCSp	Luxembourg
	MEIF 6 Luxembourg GP S.à r.l.	Luxembourg
	MEIF 6 N1 SCSp	Luxembourg
	MELRO HOLDCO PTY LIMITED	Australia
6343685	MEP California Energy Holdings, LLC	United States
6343677	MEP California Energy, LLC	United States
	Merino Aerospace Finance 35845 Limited	Ireland
	Merino Aerospace Finance 35845 Limited, UK Branch	United Kingdom
	Merino Aerospace Finance 36566 Limited	Ireland
	Merino Aerospace Finance 36566 Limited, UK Branch	United Kingdom
	Merino Aerospace Finance 36707 Limited	Ireland
	Merino Aerospace Finance 4257-1 Limited	Ireland
	Merino Aerospace Finance 4257-1 Limited, UK Branch	United Kingdom
	Merino Aerospace Finance 5482-1 Limited	Ireland
	Merino Aerospace Finance 5482-1 Limited, UK Branch	United Kingdom
	Merino Aerospace Finance 6218 Limited	Ireland
	Merino Aerospace Finance 6350 Limited	Ireland
	Merino Aerospace Finance 6350 Limited, UK Branch	United Kingdom
	Merino Aerospace Finance 6375 Limited	Ireland

	Merino Aerospace Finance 6375 Limited, UK Branch	United Kingdom
	Merino Aerospace Finance 6458 Limited	Ireland
	Merino Aerospace Finance 6458 Limited, UK Branch	United Kingdom
	Merino Aerospace Finance 6500 Limited	Ireland
	Merino Aerospace Finance 6500 Limited, UK Branch	United Kingdom
	Merino Aerospace Finance 6538 Limited	Ireland
	Merino Aerospace Finance 6538 Limited, UK Branch	United Kingdom
2223765	Merino Air Leasing, Inc.	United States
	MGIDF Guernsey GP Limited	Guernsey
	MGJ HOLDINGS PTE. LIMITED	Singapore
4346896	MGOP Feeder I GP LLC	United States
	MIDF UK1 GUERNSEY GP LIMITED	Guernsey
	MIDF UK1 LLP	Guernsey
	MIDF UK1B GUERNSEY GP LIMITED	Guernsey
	MIDF UK2 Guernsey GP Limited	Guernsey
	MIF Holdings Limited	United Kingdom
4323418	MIF US Investment Holdings LLC	United States
4323415	MIF US INVESTMENT PARTNERSHIP	United States
7007805	MIGS (ECI) GP, LLC	United States
7181215	MIGS II (ECI) GP, LLC	United States
7181217	MIGS II IDF PV, L.P.	United States
7023909	MIHI Boxwood Sponsor, LLC	United States
4261648	MIHI LLC	United States
1598777	MIP III (ECI) GP LLC	United States
5931283	MIP III Tigerfish (Canada) GP LLC	United States
6979578	MIP IV (Canada) GP, LLC	United States
7046237	MIP IV (ECI) Australian Executives, G.P.	United States
7046223	MIP IV (ECI) Carry, L.P.	United States
7046224	MIP IV (ECI) Executives, L.P.	United States
7046222	MIP IV (ECI) Global Executives, L.P.	United States
6979581	MIP IV (ECI) GP, LLC	United States
7046217	MIP IV Executives, L.P.	United States
	MIP IV Luxembourg GP S.à r.l.	Luxembourg
	MIR SOLAR COMPANY LIMITED	Korea, Republic of
5990284	MIRA Americas, Inc.	United States
	MIRA Beteiligungs GmbH	Germany
5990277	MIRA Infrastructure Global Solution GP LLC	United States
7017645	MIRA Infrastructure Global Solution II GP, LLC	United States
	MIRA UK Gas Holdings GP Limited	Guernsey
	Mitochon Limited	United Kingdom
	MJL ACE LTD.	Japan
6555921	MLH 650 Oakdale, LLC	United States
6602735	MLH Bluff Road Holdings, LLC	United States
7217738	MLH Bluff Road Lot 3, LLC	United States
6725968	MLH Logistics DevCo, LLC	United States
6555919	MLH Logistics Holdings, LLC	United States
6555920	MLH Oakdale Holdings, LLC	United States
L12000056208	Moonstone Lien Investments, LLC	United States
	Moorgate PL Holdings Limited	United Kingdom
	MPF Nominees Limited	United Kingdom
	MPFI INVESTMENTS LIMITED (in members' voluntary liquidation)	Ireland
	MQ ABSOLUTE RETURN STRATEGIES - ASIA	Cayman Islands
	MQ CAPITAL PTY LIMITED	Australia
	MQ PPP Investments Ireland GP Limited	Ireland
	MQ SPECIALIST INVESTMENT MANAGEMENT LIMITED	Australia
	MQG Commodities (India) Private Limited	India
6508455	MRED Lending, LLC	United States
	MSCIF Co-Invest SCSp	Luxembourg
	MSCIF Luxembourg GP S.à r.l.	Luxembourg
	MSCIF Sophisticated Staff Investors Feeder SCSp	Luxembourg
	MTF HOLDINGS PTY LIMITED	Australia
	NANWAY NOMINEES PTY LIMITED (IN DEREGISTRATION)	Australia
	NASU Energy Storage Limited	United Kingdom
0600391248	New Jersey Boardwalk Lien Investments, LLC	United States
	New World Gaming International S.a.r.l	Luxembourg
4329799	New York Crystal Swan, LLC	United States
7241795	Newton Solar SPV I LLC	United States
5911248	NewZoom Holdings LLC	United States
6613540	Northeast Property Owner Inc.	United States
	NU MOBILE PTY LIMITED	Australia
	NUIX HOLDING PTY LTD	Australia
	Nuix Ireland Limited	Ireland
4446022	Nuix North America Inc	United States
	NUIX PHILIPPINES REGIONAL OPERATING HEADQUARTERS	Philippines
	NUIX PTE. LTD.	Singapore
	Nuix Pty Ltd	Australia

	Nuix Technology UK Limited	United Kingdom
5753040	Nuix USG Inc	United States
	NWG Canada Investments Ltd.	Canada
	NZ MORTGAGES PTY LTD	Australia
	NZ MORTGAGES PTY LTD (Branch Office)	New Zealand
	O'Farrell Leasing (Holdings) Ltd.	Cayman Islands
801373215	OLF, LLC	United States
0801028218	One Call Debt Help LLC	United States
	OPEN BROADBAND AUSTRALIA PTY LTD	Australia
5791149	OpenFiber Kentucky Company, LLC	United States
	OT HOLDINGS PTY LIMITED	Australia
	PACIFIC RIM OPERATIONS PTY LIMITED	Australia
4444506	PADUA MG HOLDINGS LLC	United States
	PATHWAY INVESTMENTS AUSTRALIA PTY LIMITED	Australia
	PELICAN WAREHOUSE TRUST NO.1	Australia
	Pentland SPV 1 Limited	United Kingdom
	Pentland SPV 2 Limited	United Kingdom
5437375	Permian Water Supply Company LLC	United States
17526149822	Petro Tradelinks Inc.	United States
	Pipeline Rehabilitation No.4 Trust	Australia
	Poseidon InvestCo GP Ireland Limited	Ireland
	PPP Irish Accommodation Limited	United Kingdom
	PROPERTYIQ PTY LIMITED	Australia
	PROPERTYIQ STRATA PTY LIMITED	Australia
	PT MACQUARIE COMMODITIES INDONESIA	Indonesia
	PT MACQUARIE SEKURITAS INDONESIA	Indonesia
	PT MPM INDONESIA (In Liquidation wef 18/02/2016)	Indonesia
	PUMA GLOBAL TRUST NO.6	Australia
	PUMA MANAGEMENT PTY LIMITED	Australia
	PUMA MASTERFUND P-16	Australia
	PUMA MASTERFUND P-17	Australia
	PUMA Masterfund S-10	Australia
	PUMA MASTERFUND S-11	Australia
	PUMA Masterfund S-12	Australia
	PUMA Masterfund S-13	Australia
	PUMA MASTERFUND S-8	Australia
	PUMA Masterfund S-9	Australia
	PUMA SERIES 2014-1	Australia
	PUMA Series 2014-2	Australia
	PUMA Series 2014-3P	Australia
	PUMA Series 2014-4P	Australia
	PUMA Series 2015-1	Australia
	PUMA Series 2015-2P	Australia
	PUMA SERIES 2015-3	Australia
	PUMA SERIES 2015-5P	Australia
	PUMA Series 2017-1	Australia
	PUMA Series 2018-1	Australia
	PUMA Series R Trust	Australia
	PUMA Series Trust 2013-1	Australia
	PUMA SUBFUND B-1	Australia
	PUMA Subfund B-2	Australia
5387040	RC Holdings I LLC	United States
5387041	RC Holdings II LLC	United States
200902410344	Regal Capital Advisors, LLC	United States
5098611	Regal Capital Group, LLC	United States
	REGIONAL MEDIA TRUST	Australia
	RELOAD WIND FARM PTY LTD	Australia
	RELOAD WIND FARM TRUST	Australia
	RESF NO. 1 PTY LTD (IN DEREGISTRATION)	Australia
	RESOURCE MARINE PTE. LIMITED	Singapore
	Resource Marine Pte. Limited (UK Establishment)	United Kingdom
2566189	Retirement Financial Services, Inc.	United States
	REVERSE MORTGAGE SERVICES PTY LTD	Australia
	Rijn InvestCo PPP Ireland GP Limited	Ireland
	ROC Asia Pacific Private Equity Offshore Fund, L.P.	Cayman Islands
	Ropemaker RB Holdings Limited	United Kingdom
	Scheldt Investco PPP Ireland GP Limited	Ireland
	SELENE INVESTMENTS SINGAPORE PTE. LTD.	Singapore
	Shannon Investco PPP Ireland GP Limited	Ireland
	Shichi Limited (in voluntary liquidation)	Ireland
	SHOWA PLANNING K.K.	Japan
	SKYLIGHT DEV CO PTY LIMITED	Australia
	SKYLIGHT MID CO PTY LIMITED	Australia
	SKYLIGHT MID TRUST	Australia
	SKYLIGHT PROJECT CO PTY LIMITED	Australia
	SKYLIGHT PROJECT TRUST	Australia

	SKYLIGHT RETAIL NORTH SUB TRUST	Australia
	SKYLIGHT RETAIL SOUTH SUB TRUST	Australia
	SKYLIGHT RN PTY LIMITED	Australia
	SKYLIGHT RN SPV PTY LIMITED	Australia
	SKYLIGHT RS PTY LIMITED	Australia
	SKYLIGHT RS SPV PTY LIMITED	Australia
	SKYLIGHT SOUTH TOWER SUB TRUST	Australia
	SKYLIGHT ST PTY LIMITED	Australia
	SKYLIGHT ST SPV PTY LIMITED	Australia
	SMART ABS Series 2014-2E TRUST	Australia
	SMART ABS Series 2014-3PP Trust	Australia
	SMART ABS Series 2014-4 Trust (Terminated)	Australia
	SMART ABS Series 2015-1US Trust	Australia
	SMART ABS Series 2015-2 Trust	Australia
	SMART ABS Series 2015-3US Trust	Australia
	SMART ABS SERIES 2015-4E TRUST	Australia
	SMART ABS Series 2016-1 Trust	Australia
	SMART ABS Series 2016-2US Trust	Australia
	SMART ABS SERIES 2016-3 TRUST	Australia
	SMART ABS Series 2017-1 Trust	Australia
	SMART ABS Series 2017-2 Trust	Australia
	SMART E Trust	Australia
	SMART O Warehouse Trust	Australia
	SMART S Warehouse Trust	Australia
	SMART Series R Trust	Australia
	SOLAR FIELD 10 G.K.	Japan
	Sole Renewables Italy Limited	United Kingdom
	Sole Renewables Limited	United Kingdom
	Sonne Solar Limited	United Kingdom
	SOSU SOLAR COMPANY LIMITED	Korea, Republic of
661896	South Carolina Sandy Tyger Investments, LLC	United States
803019064	Southport POA Logistics Park, Inc.	United States
6208346	Sparks Battery Holdings 2, LLC	United States
5875973	Sparks Battery Holdings, LLC	United States
5067611	Specialty Finance Holdings, Inc.	United States
5526545	Sterling TC Holdings LLC	United States
5526539	Sterling TC Property Owner LLC	United States
	Stichting Security Trustee E-MAC DE 2009-I	Netherlands
	Summer Housing SDA Trust	Australia
5806643	Summerset Holdings LLC	United States
6882283	Summerset Intermediate Holdings 2 LLC	United States
5818083	Summerset Property Owner LLC	United States
	SURI SOLAR COMPANY LIMITED	Korea, Republic of
	SYNTHETIC ASSET FUNDING ENTITY 2 LIMITED	Cayman Islands
	TA Trust	Australia
4439050	TAURUS AEROSPACE GROUP INC.	United States
201412810029	Tax Ease CA, LLC	United States
5481908	Tax Ease Company LLC	United States
0800500689	Tax Ease Employee Services Company LLC	United States
0800250014	Tax Ease Financial Services, LP	United States
0800501927	Tax Ease FL REO, LLC	United States
800250016	Tax Ease Funding GP LLC	United States
5244685	Tax Ease Funding Two, LLC	United States
801684852	Tax Ease Funding, LLC	United States
5113058	Tax Ease Holdings LLC	United States
0730963	Tax Ease Lien Investments 1, LLC	United States
0730962	Tax Ease Lien Servicing, LLC	United States
NV20141277690	Tax Ease NV LLC	United States
2116299	Tax Ease Ohio, LLC	United States
4266328	Tax Ease PA, LLC	United States
6146695	Tax Ease REO I, LLC	United States
6146699	Tax Ease REO II, LLC	United States
	TELBANE 2 PTY LIMITED	Australia
	TELBANE PTY LTD	Australia
	The Bluebell Transportation LLP	United Kingdom
	The Goonzaran LLP	United Kingdom
	THE MACQUARIE TOPI40 INVESTMENT TRUST	South Africa
	THE MF TRUST	South Africa
	Thornwood Mortgage Opportunity Fund, L.P.	United States
801808774	TN - PTH, LLC	United States
	TRAMS ABS Series 2015-1	Australia
	Tristone Capital Global Inc.	Canada
	Tristone Capital Inc.	Canada
	Tristone Capital SA (Argentine Branch)	Argentina
	Tristone Capital SA Ltd	Canada
	Tysvaer Vindpark AS	Norway

	UK Green Community Lending Limited	United Kingdom
	UK Green Investment (OSW) GP Limited	United Kingdom
	UK Green Investment Bank Limited	United Kingdom
	UK Green Investment Climate International Limited	United Kingdom
	UK NPD Investments GP Limited	United Kingdom
	UK Platform GP Limited	United Kingdom
	UK Platform Partner Limited	United Kingdom
	UK PPP Investments GP Limited	United Kingdom
	ULSAN FLOATING OFFSHORE WIND POWER CO., LTD.	Korea, Republic of
	UPL (SA) PTY LIMITED	Australia
	URBAN PACIFIC PTY LIMITED	Australia
	Urja Seventh B.V.	Netherlands
	Utility Metering Services Limited	United Kingdom
6208354	Watt Battery Holdings, LLC	United States
	WAW CED Sarl	Luxembourg
	West Portal Leasing Limited	Cayman Islands
6017072	Willow Depositor LLC	United States
L18085590	Winslow Lien Investments, LLC	United States
	WOODROSS NOMINEES PTY. LIMITED	Australia
	YAMATO CHO SOYO FURYOKU HATSUDEN G.K.	Japan
	YENDON WINDFARM PTY LTD	Australia
	Yorkton Capital Partners II Inc.	Canada
	Yorkton Capital Partners Inc.	Canada

ANNEXURE 'B'

This is the annexure marked 'B' of 5 pages referred to in the Notice of initial substantial holder.

Ida Lawrence
Company Secretary, Macquarie Group Limited
27 February 2019

Date of change	Person whose relevant interest changed	Nature of change	Consideration per security	Number of securities affected	Class	Person's votes affected
06-Feb-19	MBL	On Market Purchase	AUD 3.39	1,744	FPO	1,744
06-Feb-19	MBL	On Market Purchase	AUD 3.41	7,391	FPO	7,391
06-Feb-19	MBL	On Market Purchase	AUD 3.40	2,031	FPO	2,031
06-Feb-19	MBL	On Market Purchase	AUD 3.38	6,743	FPO	6,743
06-Feb-19	MBL	On Market Purchase	AUD 3.42	1,511	FPO	1,511
06-Feb-19	MBL	On Market Sale	AUD 3.37	-3,376	FPO	3,376
06-Feb-19	MBL	On Market Purchase	AUD 3.37	179	FPO	179
06-Feb-19	MBL	On Market Purchase	AUD 3.43	2,963	FPO	2,963
06-Feb-19	MEH	On Market Sale	AUD 3.37	-9	FPO	9
06-Feb-19	MEH	On Market Sale	AUD 3.36	9	FPO	9
06-Feb-19	MEH	On Market Sale	AUD 3.37	-51	FPO	51
07-Feb-19	MBL	On Market Purchase	AUD 3.47	1,619	FPO	1,619
07-Feb-19	MBL	On Market Purchase	AUD 3.44	4,958	FPO	4,958
07-Feb-19	MBL	On Market Purchase	AUD 3.45	3,956	FPO	3,956
07-Feb-19	MBL	On Market Purchase	AUD 3.45	201	FPO	201
07-Feb-19	MBL	On Market Purchase	AUD 3.46	2,379	FPO	2,379
07-Feb-19	MBL	On Market Purchase	AUD 3.46	698	FPO	698
07-Feb-19	MBL	On Market Purchase	AUD 3.45	2,209	FPO	2,209
07-Feb-19	MBL	On Market Sale	AUD 3.39	-4,494	FPO	4,494
07-Feb-19	MBL	On Market Purchase	AUD 3.46	2,161	FPO	2,161
07-Feb-19	MBL	On Market Purchase	AUD 3.42	6,458	FPO	6,458
07-Feb-19	MBL	On Market Purchase	AUD 3.43	708	FPO	708
07-Feb-19	MBL	On Market Purchase	AUD 3.41	638	FPO	638
07-Feb-19	MBL	On Market Purchase	AUD 3.45	3,932	FPO	3,932
07-Feb-19	MBL	On Market Purchase	AUD 3.45	1,730	FPO	1,730
07-Feb-19	MEH	On Market Sale	AUD 3.44	132	FPO	132
07-Feb-19	MIML	On market sale	AUD 3.42	-824	FPO	824
08-Feb-19	MBL	On Market Purchase	AUD 3.43	5,975	FPO	5,975
08-Feb-19	MBL	On Market Purchase	AUD 3.39	575	FPO	575
08-Feb-19	MBL	On Market Purchase	AUD 3.41	348	FPO	348
08-Feb-19	MBL	On Market Purchase	AUD 3.42	7,356	FPO	7,356
08-Feb-19	MBL	On Market Purchase	AUD 3.40	436	FPO	436
08-Feb-19	MBL	On Market Purchase	AUD 3.43	1,835	FPO	1,835
08-Feb-19	MBL	On Market Purchase	AUD 3.43	2,855	FPO	2,855
08-Feb-19	MBL	On Market Purchase	AUD 3.42	1,043	FPO	1,043
08-Feb-19	MBL	On Market Purchase	AUD 3.42	1,740	FPO	1,740
08-Feb-19	MBL	On Market Purchase	AUD 3.39	579	FPO	579
08-Feb-19	MBL	On Market Purchase	AUD 3.40	2,346	FPO	2,346
08-Feb-19	MBL	On Market Purchase	AUD 3.42	3,290	FPO	3,290
08-Feb-19	MEH	On Market Sale	AUD 3.43	-2,583	FPO	2,583
08-Feb-19	MEH	On Market Sale	AUD 3.39	1,362	FPO	1,362
08-Feb-19	MEH	On Market Sale	AUD 3.39	455	FPO	455
08-Feb-19	MEH	On Market Sale	AUD 3.39	145	FPO	145
08-Feb-19	MEH	On Market Sale	AUD 3.43	-1,341	FPO	1,341
08-Feb-19	MEH	On Market Sale	AUD 3.42	1,962	FPO	1,962
08-Feb-19	MEH	On Market Sale	AUD 3.42	-53	FPO	53
08-Feb-19	MEH	On Market Sale	AUD 3.42	-2,260	FPO	2,260
08-Feb-19	MIMAL	Transfer out – client account	AUD 3.42	-33,335	FPO	33,335
08-Feb-19	MIML	On market purchase	AUD 3.40	334	FPO	334
08-Feb-19	MIML	On market purchase	AUD 3.40	334	FPO	334
08-Feb-19	MIML	On market sale	AUD 3.42	-859	FPO	859
10-Feb-19	MEH	On Market Sale	AUD 3.44	135	FPO	135
10-Feb-19	MEH	On Market Sale	AUD 3.44	950	FPO	950
10-Feb-19	MEH	On Market Sale	AUD 3.44	200	FPO	200
10-Feb-19	MEH	On Market Sale	AUD 3.44	635	FPO	635
10-Feb-19	MEH	On Market Sale	AUD 3.44	175	FPO	175
10-Feb-19	MEH	On Market Sale	AUD 3.44	14	FPO	14
10-Feb-19	MEH	On Market Sale	AUD 3.44	1,212	FPO	1,212
10-Feb-19	MEH	On Market Sale	AUD 3.44	508	FPO	508
10-Feb-19	MEH	On Market Sale	AUD 3.44	118	FPO	118

11-Feb-19	MBL	On Market Purchase	AUD 3.44	1,506	FPO	1,506
11-Feb-19	MBL	On Market Purchase	AUD 3.46	304	FPO	304
11-Feb-19	MBL	On Market Purchase	AUD 3.45	1,327	FPO	1,327
11-Feb-19	MBL	On Market Purchase	AUD 3.53	6,622	FPO	6,622
11-Feb-19	MBL	On Market Purchase	AUD 3.44	5,031	FPO	5,031
11-Feb-19	MEH	On Market Sale	AUD 3.53	-3,947	FPO	3,947
11-Feb-19	MEH	On Market Sale	AUD 3.62	300	FPO	300
11-Feb-19	MEH	On Market Sale	AUD 3.62	142	FPO	142
11-Feb-19	MEH	On Market Sale	AUD 3.62	825	FPO	825
11-Feb-19	MEH	On Market Sale	AUD 3.62	591	FPO	591
11-Feb-19	MEH	On Market Sale	AUD 3.62	82	FPO	82
11-Feb-19	MEH	On Market Sale	AUD 3.62	425	FPO	425
11-Feb-19	MEH	On Market Sale	AUD 3.62	125	FPO	125
11-Feb-19	MEH	On Market Sale	AUD 3.62	22	FPO	22
11-Feb-19	MEH	On Market Sale	AUD 3.62	321	FPO	321
11-Feb-19	MEH	On Market Sale	AUD 3.59	-2,833	FPO	2,833
11-Feb-19	MEH	On Market Sale	AUD 3.53	155	FPO	155
11-Feb-19	MIMAL	On market sale	AUD 3.53	-3,131	FPO	3,131
11-Feb-19	MIML	On market purchase	AUD 3.46	438	FPO	438
11-Feb-19	MIML	On market sale	AUD 3.49	-3,250	FPO	3,250
11-Feb-19	MIML	On market sale	AUD 3.42	-611	FPO	611
12-Feb-19	MBL	On Market Purchase	AUD 3.58	1,151	FPO	1,151
12-Feb-19	MBL	On Market Purchase	AUD 3.57	4,555	FPO	4,555
12-Feb-19	MBL	On Market Purchase	AUD 3.57	1,120	FPO	1,120
12-Feb-19	MBL	On Market Purchase	AUD 3.62	12,058	FPO	12,058
12-Feb-19	MBL	On Market Purchase	AUD 3.60	1,221	FPO	1,221
12-Feb-19	MBL	On Market Purchase	AUD 3.63	2,494	FPO	2,494
12-Feb-19	MBL	On Market Purchase	AUD 3.58	2,037	FPO	2,037
12-Feb-19	MBL	On Market Purchase	AUD 3.56	1,565	FPO	1,565
12-Feb-19	MBL	On Market Purchase	AUD 3.58	1,336	FPO	1,336
12-Feb-19	MBL	On Market Purchase	AUD 3.53	473	FPO	473
12-Feb-19	MBL	On Market Sale	AUD 3.64	-22	FPO	22
12-Feb-19	MBL	On Market Purchase	AUD 3.52	1,279	FPO	1,279
12-Feb-19	MBL	On Market Purchase	AUD 3.58	1,859	FPO	1,859
12-Feb-19	MBL	On Market Purchase	AUD 3.55	2,148	FPO	2,148
12-Feb-19	MBL	On Market Purchase	AUD 3.57	1,280	FPO	1,280
12-Feb-19	MEH	On Market Sale	AUD 3.57	44	FPO	44
13-Feb-19	MBL	On Market Sale	AUD 3.65	-14,985	FPO	14,985
13-Feb-19	MBL	On Market Purchase	AUD 3.62	489	FPO	489
13-Feb-19	MBL	On Market Purchase	AUD 3.58	1,909	FPO	1,909
13-Feb-19	MBL	On Market Purchase	AUD 3.60	3,240	FPO	3,240
13-Feb-19	MBL	On Market Purchase	AUD 3.61	640	FPO	640
13-Feb-19	MBL	On Market Purchase	AUD 3.61	1,454	FPO	1,454
13-Feb-19	MBL	On Market Purchase	AUD 3.58	5,609	FPO	5,609
13-Feb-19	MEH	On Market Sale	AUD 3.63	246	FPO	246
13-Feb-19	MEH	On Market Sale	AUD 3.63	1,966	FPO	1,966
13-Feb-19	MEH	On Market Sale	AUD 3.63	244	FPO	244
13-Feb-19	MEH	On Market Sale	AUD 3.63	476	FPO	476
13-Feb-19	MEH	On Market Sale	AUD 3.63	767	FPO	767
13-Feb-19	MEH	On Market Sale	AUD 3.65	53	FPO	53
13-Feb-19	MIML	Transfer in - client account	AUD 0.00	2,238	FPO	2,238
13-Feb-19	MIML	On market sale	AUD 3.62	-546	FPO	546
13-Feb-19	MIML	On market purchase	AUD 3.62	2,747	FPO	2,747
13-Feb-19	MIML	On market sale	AUD 3.63	-2,687	FPO	2,687
14-Feb-19	MBL	On Market Sale	AUD 3.64	-8,781	FPO	8,781
14-Feb-19	MBL	On Market Purchase	AUD 3.63	470	FPO	470
14-Feb-19	MBL	On Market Purchase	AUD 3.65	2,308	FPO	2,308
14-Feb-19	MBL	On Market Purchase	AUD 3.64	3,080	FPO	3,080
14-Feb-19	MBL	On Market Purchase	AUD 3.68	908	FPO	908
14-Feb-19	MBL	On Market Purchase	AUD 3.66	1,731	FPO	1,731
14-Feb-19	MBL	On Market Purchase	AUD 3.63	1,610	FPO	1,610
14-Feb-19	MBL	On Market Purchase	AUD 3.62	1,101	FPO	1,101
14-Feb-19	MBL	On Market Purchase	AUD 3.65	1,155	FPO	1,155
14-Feb-19	MEH	On Market Sale	AUD 3.64	-3,699	FPO	3,699
14-Feb-19	MEH	On Market Sale	AUD 3.62	3,000	FPO	3,000
14-Feb-19	MEH	On Market Sale	AUD 3.62	457	FPO	457
14-Feb-19	MEH	On Market Sale	AUD 3.62	252	FPO	252
14-Feb-19	MEH	On Market Sale	AUD 3.64	-14	FPO	14
14-Feb-19	MEH	On Market Sale	AUD 3.65	40	FPO	40
14-Feb-19	MEH	On Market Sale	AUD 3.65	4	FPO	4
14-Feb-19	MEH	On Market Sale	AUD 3.63	83	FPO	83
14-Feb-19	MEH	On Market Sale	AUD 3.64	35	FPO	35
14-Feb-19	MEH	On Market Sale	AUD 3.64	14	FPO	14
14-Feb-19	MEH	On Market Sale	AUD 3.65	48	FPO	48
14-Feb-19	MEH	On Market Sale	AUD 3.62	3	FPO	3
14-Feb-19	MEH	On Market Sale	AUD 3.62	53	FPO	53

14-Feb-19	MEH	On Market Sale	AUD 3.64	-1,370	FPO	1,370
14-Feb-19	MEH	On Market Sale	AUD 3.65	41	FPO	41
14-Feb-19	MEH	On Market Sale	AUD 3.65	45	FPO	45
14-Feb-19	MEH	On Market Sale	AUD 3.62	47	FPO	47
14-Feb-19	MEH	On Market Sale	AUD 3.66	22	FPO	22
14-Feb-19	MEH	On Market Sale	AUD 3.65	6	FPO	6
14-Feb-19	MEH	On Market Sale	AUD 3.65	41	FPO	41
14-Feb-19	MEH	On Market Sale	AUD 3.65	48	FPO	48
14-Feb-19	MEH	On Market Sale	AUD 3.65	3	FPO	3
14-Feb-19	MEH	On Market Sale	AUD 3.64	72	FPO	72
14-Feb-19	MEH	On Market Sale	AUD 3.64	54	FPO	54
14-Feb-19	MEH	On Market Sale	AUD 3.66	47	FPO	47
14-Feb-19	MEH	On Market Sale	AUD 3.64	42	FPO	42
14-Feb-19	MEH	On Market Sale	AUD 3.65	36	FPO	36
14-Feb-19	MEH	On Market Sale	AUD 3.65	54	FPO	54
14-Feb-19	MEH	On Market Sale	AUD 3.62	51	FPO	51
14-Feb-19	MEH	On Market Sale	AUD 3.62	48	FPO	48
14-Feb-19	MEH	On Market Sale	AUD 3.65	61	FPO	61
14-Feb-19	MEH	On Market Sale	AUD 3.63	131	FPO	131
14-Feb-19	MEH	On Market Sale	AUD 3.63	46	FPO	46
14-Feb-19	MEH	On Market Sale	AUD 3.64	33	FPO	33
14-Feb-19	MEH	On Market Sale	AUD 3.64	74	FPO	74
14-Feb-19	MEH	On Market Sale	AUD 3.64	40	FPO	40
14-Feb-19	MEH	On Market Sale	AUD 3.64	18	FPO	18
14-Feb-19	MEH	On Market Sale	AUD 3.64	30	FPO	30
14-Feb-19	MIMAL	Other - Inspecie	AUD 3.64	5,186	FPO	5,186
14-Feb-19	MIMAL	On market purchase	AUD 3.64	12,259	FPO	12,259
14-Feb-19	MIMAL	Other - Inspecie	AUD 3.64	-5,186	FPO	5,186
14-Feb-19	MIML	On market sale	AUD 3.67	-1,302	FPO	1,302
14-Feb-19	MIML	On market sale	AUD 3.69	-2,238	FPO	2,238
15-Feb-19	MBL	On Market Purchase	AUD 3.62	3,056	FPO	3,056
15-Feb-19	MBL	On Market Purchase	AUD 3.63	471	FPO	471
15-Feb-19	MBL	On Market Purchase	AUD 3.64	985	FPO	985
15-Feb-19	MBL	On Market Purchase	AUD 3.66	2,676	FPO	2,676
15-Feb-19	MBL	On Market Purchase	AUD 3.63	1,112	FPO	1,112
15-Feb-19	MBL	On Market Purchase	AUD 3.63	1,270	FPO	1,270
15-Feb-19	MBL	On Market Purchase	AUD 3.67	522	FPO	522
15-Feb-19	MBL	On Market Sale	AUD 3.62	-1,657	FPO	1,657
15-Feb-19	MBL	On Market Purchase	AUD 3.65	173	FPO	173
15-Feb-19	MBL	On Market Purchase	AUD 3.64	577	FPO	577
15-Feb-19	MBL	On Market Purchase	AUD 3.65	699	FPO	699
15-Feb-19	MBL	On Market Purchase	AUD 3.62	521	FPO	521
15-Feb-19	MEH	On Market Sale	AUD 3.62	-2,814	FPO	2,814
15-Feb-19	MEH	On Market Sale	AUD 3.62	-895	FPO	895
15-Feb-19	MEH	On Market Sale	AUD 3.62	3,685	FPO	3,685
15-Feb-19	MEH	On Market Sale	AUD 3.62	-2,053	FPO	2,053
15-Feb-19	MIMAL	On market sale	AUD 3.62	-2,105	FPO	2,105
15-Feb-19	MIML	On market sale	AUD 3.65	-909	FPO	909
15-Feb-19	MIML	On market sale	AUD 3.63	-3,845	FPO	3,845
15-Feb-19	MIML	On market sale	AUD 3.65	-630	FPO	630
18-Feb-19	MBL	On Market Purchase	AUD 3.63	2,783	FPO	2,783
18-Feb-19	MBL	On Market Purchase	AUD 3.63	2,373	FPO	2,373
18-Feb-19	MBL	On Market Purchase	AUD 3.62	235	FPO	235
18-Feb-19	MBL	On Market Purchase	AUD 3.66	6,470	FPO	6,470
18-Feb-19	MBL	On Market Purchase	AUD 3.63	4,433	FPO	4,433
18-Feb-19	MBL	On Market Sale	AUD 3.61	-1,597	FPO	1,597
18-Feb-19	MBL	On Market Purchase	AUD 3.62	584	FPO	584
18-Feb-19	MBL	On Market Purchase	AUD 3.62	1,216	FPO	1,216
18-Feb-19	MBL	On Market Purchase	AUD 3.62	4,731	FPO	4,731
18-Feb-19	MEH	On Market Sale	AUD 3.65	3,729	FPO	3,729
18-Feb-19	MEH	On Market Sale	AUD 3.64	-189	FPO	189
18-Feb-19	MEH	On Market Sale	AUD 3.64	-243	FPO	243
18-Feb-19	MEH	On Market Sale	AUD 3.64	-202	FPO	202
18-Feb-19	MEH	On Market Sale	AUD 3.64	-80	FPO	80
18-Feb-19	MEH	On Market Sale	AUD 3.63	-103	FPO	103
18-Feb-19	MEH	On Market Sale	AUD 3.63	-87	FPO	87
18-Feb-19	MEH	On Market Sale	AUD 3.63	-523	FPO	523
18-Feb-19	MEH	On Market Sale	AUD 3.63	-104	FPO	104
18-Feb-19	MEH	On Market Sale	AUD 3.63	-172	FPO	172
18-Feb-19	MEH	On Market Sale	AUD 3.63	-172	FPO	172
18-Feb-19	MEH	On Market Sale	AUD 3.63	-7	FPO	7
18-Feb-19	MEH	On Market Sale	AUD 3.65	-311	FPO	311
18-Feb-19	MEH	On Market Sale	AUD 3.63	-69	FPO	69
18-Feb-19	MEH	On Market Sale	AUD 3.65	-80	FPO	80
18-Feb-19	MEH	On Market Sale	AUD 3.65	-200	FPO	200
18-Feb-19	MEH	On Market Sale	AUD 3.61	-1,119	FPO	1,119

18-Feb-19	MEH	On Market Sale	AUD 3.63	-68	FPO	68
18-Feb-19	MEH	On Market Sale	AUD 3.61	-4	FPO	4
19-Feb-19	MBL	On Market Purchase	AUD 3.60	6,420	FPO	6,420
19-Feb-19	MBL	On Market Purchase	AUD 3.60	5,346	FPO	5,346
19-Feb-19	MBL	On Market Purchase	AUD 3.57	642	FPO	642
19-Feb-19	MBL	On Market Purchase	AUD 3.55	4,341	FPO	4,341
19-Feb-19	MBL	On Market Purchase	AUD 3.55	582	FPO	582
19-Feb-19	MBL	On Market Purchase	AUD 3.58	1,453	FPO	1,453
19-Feb-19	MBL	On Market Purchase	AUD 3.57	8,089	FPO	8,089
19-Feb-19	MBL	On Market Purchase	AUD 3.55	863	FPO	863
19-Feb-19	MBL	On Market Purchase	AUD 3.55	2,851	FPO	2,851
19-Feb-19	MBL	On Market Purchase	AUD 3.54	2,225	FPO	2,225
19-Feb-19	MBL	On Market Purchase	AUD 3.55	2,154	FPO	2,154
19-Feb-19	MBL	On Market Sale	AUD 3.58	-3,010	FPO	3,010
19-Feb-19	MEH	On Market Sale	AUD 3.58	-6	FPO	6
19-Feb-19	MIMGL	On market sale	AUD 3.57	-55,726	FPO	55,726
19-Feb-19	MIMAL	On market sale	AUD 3.57	-4,305	FPO	4,305
19-Feb-19	MIMAL	On market sale	AUD 3.57	-45,828	FPO	45,828
19-Feb-19	MIMAL	On market sale	AUD 3.57	-37,034	FPO	37,034
19-Feb-19	MIML	On market sale	AUD 3.57	-2,835	FPO	2,835
19-Feb-19	MIML	On market sale	AUD 3.57	-574	FPO	574
19-Feb-19	MIML	On market sale	AUD 3.57	-758	FPO	758
19-Feb-19	MIML	On market sale	AUD 3.54	-900	FPO	900
20-Feb-19	MBL	On Market Purchase	AUD 3.57	45,770	FPO	45,770
20-Feb-19	MBL	On Market Purchase	AUD 3.56	922	FPO	922
20-Feb-19	MBL	On Market Purchase	AUD 3.56	347	FPO	347
20-Feb-19	MBL	On Market Purchase	AUD 3.58	3,541	FPO	3,541
20-Feb-19	MBL	On Market Purchase	AUD 3.55	1,056	FPO	1,056
20-Feb-19	MBL	On Market Purchase	AUD 3.60	1,872	FPO	1,872
20-Feb-19	MBL	On Market Purchase	AUD 3.56	867	FPO	867
20-Feb-19	MBL	On Market Purchase	AUD 3.52	811	FPO	811
20-Feb-19	MBL	On Market Purchase	AUD 3.56	5,231	FPO	5,231
20-Feb-19	MBL	On Market Purchase	AUD 3.57	1,686	FPO	1,686
20-Feb-19	MBL	On Market Purchase	AUD 3.57	1,148	FPO	1,148
20-Feb-19	MEH	On Market Sale	AUD 3.57	45	FPO	45
21-Feb-19	MBL	On Market Purchase	AUD 3.60	49,584	FPO	49,584
21-Feb-19	MBL	On Market Sale	AUD 3.56	-8,206	FPO	8,206
21-Feb-19	MBL	On Market Purchase	AUD 3.59	2,379	FPO	2,379
21-Feb-19	MEH	On Market Sale	AUD 3.56	-299	FPO	299
21-Feb-19	MEH	On Market Sale	AUD 3.57	-299	FPO	299
21-Feb-19	MEH	On Market Sale	AUD 3.56	-400	FPO	400
21-Feb-19	MEH	On Market Sale	AUD 3.58	998	FPO	998
21-Feb-19	MEH	On Market Sale	AUD 3.56	46	FPO	46
22-Feb-19	MBL	Collateral Receive	AUD 3.56	1,620,000	FPO	1,620,000
22-Feb-19	MBL	On Market Purchase	AUD 3.56	990	FPO	990
22-Feb-19	MBL	On Market Purchase	AUD 3.57	2,381	FPO	2,381
22-Feb-19	MBL	On Market Purchase	AUD 3.58	1,101	FPO	1,101
22-Feb-19	MBL	On Market Purchase	AUD 3.58	1,511	FPO	1,511
22-Feb-19	MBL	On Market Sale	AUD 3.56	-692	FPO	692
22-Feb-19	MBL	On Market Purchase	AUD 3.57	115	FPO	115
22-Feb-19	MBL	On Market Purchase	AUD 3.57	578	FPO	578
22-Feb-19	MBL	On Market Purchase	AUD 3.56	1,511	FPO	1,511
22-Feb-19	MBL	On Market Purchase	AUD 3.55	5,213	FPO	5,213
22-Feb-19	MBL	On Market Purchase	AUD 3.57	1,283	FPO	1,283
22-Feb-19	MBL	On Market Purchase	AUD 3.56	29,020	FPO	29,020
22-Feb-19	MBL	On Market Purchase	AUD 3.57	986	FPO	986
22-Feb-19	MBL	On Market Purchase	AUD 3.58	464	FPO	464
22-Feb-19	MEH	On Market Sale	AUD 3.53	114	FPO	114
22-Feb-19	MEH	On Market Sale	AUD 3.53	19	FPO	19
22-Feb-19	MEH	On Market Sale	AUD 3.56	-133	FPO	133
22-Feb-19	MEH	On Market Sale	AUD 3.56	11	FPO	11
22-Feb-19	MEH	On Market Sale	AUD 3.56	904	FPO	904
22-Feb-19	MEH	On Market Sale	AUD 3.58	-39	FPO	39
22-Feb-19	MEH	On Market Sale	AUD 3.58	-37	FPO	37
22-Feb-19	MEH	On Market Sale	AUD 3.59	-40	FPO	40
22-Feb-19	MEH	On Market Sale	AUD 3.58	-41	FPO	41
22-Feb-19	MEH	On Market Sale	AUD 3.58	-11	FPO	11
22-Feb-19	MEH	On Market Sale	AUD 3.58	-36	FPO	36
22-Feb-19	MEH	On Market Sale	AUD 3.58	-17	FPO	17
22-Feb-19	MEH	On Market Sale	AUD 3.58	-18	FPO	18
22-Feb-19	MEH	On Market Sale	AUD 3.58	-25	FPO	25
22-Feb-19	MEH	On Market Sale	AUD 3.56	1,401	FPO	1,401
22-Feb-19	MEH	On Market Sale	AUD 3.58	-46	FPO	46
22-Feb-19	MEH	On Market Sale	AUD 3.58	-49	FPO	49
22-Feb-19	MEH	On Market Sale	AUD 3.58	-26	FPO	26
22-Feb-19	MEH	On Market Sale	AUD 3.58	-55	FPO	55

22-Feb-19	MEH	On Market Sale	AUD 3.57	-28	FPO	28
22-Feb-19	MEH	On Market Sale	AUD 3.58	-36	FPO	36
22-Feb-19	MEH	On Market Sale	AUD 3.58	-38	FPO	38
22-Feb-19	MEH	On Market Sale	AUD 3.58	-33	FPO	33
22-Feb-19	MEH	On Market Sale	AUD 3.58	-18	FPO	18
22-Feb-19	MEH	On Market Sale	AUD 3.58	-36	FPO	36
22-Feb-19	MEH	On Market Sale	AUD 3.58	-45	FPO	45
22-Feb-19	MEH	On Market Sale	AUD 3.57	-48	FPO	48
22-Feb-19	MEH	On Market Sale	AUD 3.57	-7	FPO	7
22-Feb-19	MEH	On Market Sale	AUD 3.57	-64	FPO	64
22-Feb-19	MEH	On Market Sale	AUD 3.58	-24	FPO	24
22-Feb-19	MEH	On Market Sale	AUD 3.58	-18	FPO	18
22-Feb-19	MEH	On Market Sale	AUD 3.58	-54	FPO	54
22-Feb-19	MEH	On Market Sale	AUD 3.58	-16	FPO	16
22-Feb-19	MEH	On Market Sale	AUD 3.58	-36	FPO	36
22-Feb-19	MEH	On Market Sale	AUD 3.59	-72	FPO	72
22-Feb-19	MEH	On Market Sale	AUD 3.59	-39	FPO	39
22-Feb-19	MEH	On Market Sale	AUD 3.59	-35	FPO	35
22-Feb-19	MEH	On Market Sale	AUD 3.59	-29	FPO	29
22-Feb-19	MEH	On Market Sale	AUD 3.59	-7	FPO	7
22-Feb-19	MEH	On Market Sale	AUD 3.58	-68	FPO	68
22-Feb-19	MEH	On Market Sale	AUD 3.59	-59	FPO	59
22-Feb-19	MEH	On Market Sale	AUD 3.59	-22	FPO	22
22-Feb-19	MEH	On Market Sale	AUD 3.58	-40	FPO	40
22-Feb-19	MEH	On Market Sale	AUD 3.58	-49	FPO	49
22-Feb-19	MEH	On Market Sale	AUD 3.59	-40	FPO	40
22-Feb-19	MIML	On market purchase	AUD 3.54	777	FPO	777
22-Feb-19	MIML	On market sale	AUD 3.52	-456	FPO	456
22-Feb-19	MIML	On market sale	AUD 3.54	-688	FPO	688