

Form 604

Corporations Act 2001 Section 671B

Notice of change of interests of substantial holder

To: Company Name/Scheme Macquarie Atlas Roads Group MQA.AX
ABN/ACN/ARSN 56 141 075 201

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

There was a change in the interests of the
substantial holder on: 5 July 2017
The previous notice was given to the company on: 25 May 2017
The previous notice was dated: 22 May 2017

2. Previous and present voting power

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

Class of securities	Previous notice		Present notice	
	Person's votes	Voting power	Person's votes	Voting power
'FPO'	76,181,334	13.29%	84,328,624	14.49%

3. Change in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest has changed	Nature of change	Consideration given in relation to change	Number of securities affected	Class	Voting power
See Annexure B						

4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder	Nature of relevant interest	Number of securities	Class	Person's votes
Macquarie Corporate Holdings Pty Ltd	Macquarie Corporate Holdings Pty Ltd	Macquarie Corporate Holdings Pty Ltd	Pursuant to section 608 of the Corporations Act	65,989,166	FPO	65,989,166
Macquarie Investments Management Australia Limited	Bond Street Custodians Limited	Bond Street Custodians Limited	Pursuant to section 608 of the Corporations Act	6,827,439	FPO	6,827,439
	BNP Paribas	BNP Paribas	Pursuant to section 608 of the Corporations Act	2,941,274	FPO	2,941,274
	Northern Trust Corporation (Singapore Branch)	Northern Trust Corporation (Singapore Branch)	Pursuant to section 608 of the Corporations Act	2,633,303	FPO	2,633,303
	Citibank Melbourne	Citibank Melbourne	Pursuant to section 608 of the Corporations Act	1,235,978	FPO	1,235,978
	JP Morgan Securities Australia FTS	JP Morgan Securities Australia FTS	Pursuant to section 608 of the Corporations Act	439,955	FPO	439,955
	National Nominees	National Nominees	Pursuant to section 608 of the Corporations Act	112,530	FPO	112,530
	State Street Australia	State Street Australia	Pursuant to section 608 of the Corporations Act	980,564	FPO	980,564
Macquarie Private Portfolio Management Ltd	Bond Street Custodians Limited	Bond Street Custodians Limited	Pursuant to section 608 of the Corporations Act	2,597,310	FPO	2,597,310
Macquarie Bank Limited	Macquarie Bank Limited	Macquarie Bank Limited	Pursuant to section 608 of the Corporations Act	571,032	FPO	571,032
Macquarie Life Limited	Macquarie Life Limited	Macquarie Life Limited	Pursuant to section 608 of the Corporations Act	73	FPO	73

5. Changes in association

The persons who have become associates of, ceased to be associates of, or have changed the nature of their association with, the substantial holder in relation to voting interests in the company or scheme are as follows:

Name and ACN (if applicable)	Nature of association
Macquarie Group Limited & Macquarie Group Entities	Controlled Bodies Corporate

6. Addresses

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

Name	Address
MACQUARIE GROUP LIMITED	Level 6, 50 Martin Place, Sydney, New South Wales, Australia 2000
MACQUARIE BANK LIMITED	Level 6, 50 Martin Place, Sydney, New South Wales, Australia 2000
MACQUARIE CORPORATE HOLDINGS PTY LIMITED	Level 6, 50 Martin Place, Sydney, New South Wales, Australia 2000
MACQUARIE INVESTMENT MANAGEMENT AUSTRALIA LTD	Level 6, 50 Martin Place, Sydney, New South Wales, Australia 2000
MACQUARIE PRIVATE PORTFOLIO MANAGEMENT LIMITED	Level 6, 50 Martin Place, Sydney, New South Wales, Australia 2000
MACQUARIE LIFE LIMITED	Level 6, 50 Martin Place, Sydney, New South Wales, Australia 2000

Signature

Print name Dennis Leong

Capacity Company Secretary

Sign here

Date 11 July 2017

ANNEXURE 'A'

This is the annexure marked 'A' of 16 pages referred to in the Notice of change of interests of substantial holder.

Dennis Leong
Company Secretary, Macquarie Group Limited
11 July 2017

Controlled Bodies Corporate

ACN / Company No	Entity Name	Incorp Country
136 024 970	A.C.N. 136 024 970 PTY LTD	Australia
154 402 927	A.C.N. 154 402 927 Pty Ltd	Australia
0113-01-020216	ACACIA RENEWABLES K.K.	Japan
153 275 677	ACN 153 275 677 Pty Ltd	Australia
	Advantage Funding Commercial Capital Corp.	United States
	Advantage Funding Leasing LLC	United States
	Advantage Funding Management Co., Inc.	United States
	Advantage Funding Receivables LLC	United States
	Advantage Funding Services LLC	United States
9783406	Aerospace Finance 6771 UK Limited	United Kingdom
09812041	Aerospace Finance 6816 UK Limited	United Kingdom
9819666	Aerospace Finance 6818 UK Limited	United Kingdom
081119477	ALLOCA (NO. 4) PTY. LIMITED	Australia
	Alster & Thames Partners (USA) LLC	United States
	Arbor Village Property Owner LLC	United States
20-3690322	AVENAL POWER CENTER, LLC	United States
	Battery Storage Holdings, LLC	United States
008604966	BELIKE NOMINEES PTY. LIMITED	Australia
	Bella Holdings LLC	United States
	Bella Property Owner LLC	United States
20-5600465	BIG SANDY CREEK WIND, LLC	United States
20-2937246	Blue Grass Abstract LLC	United States
46-5587770	Blueshine, LLC	United States
	Bluestone Equity Release Series 1 Warehouse Trust	Australia
30-0746347	Boketo LLC	United States
008607065	BOND STREET CUSTODIANS LIMITED	Australia
008606924	BOND STREET INVESTMENTS PTY. LIMITED	Australia
004680004	BOSTON AUSTRALIA PTY LIMITED	Australia
005008702	BOSTON LEASING PTY. LIMITED	Australia
	Buckeye Campus Energy Holdings LLC	United States
	Buckeye Campus Energy LLC	United States
88217	Bunhill Investments Unlimited	Jersey
002865830	BUTTONWOOD NOMINEES PTY LIMITED	Australia
	Canadian Breaks II LLC	United States
26-5600465	CANADIAN BREAKS LLC	United States
04800336	Capital Meters Holdings Limited	United Kingdom
04800317	Capital Meters Limited	United Kingdom
09908998	CHAPTRE Investments Limited	United Kingdom
06373185	Cheeryble Developments Limited	United Kingdom
46527C1/GBL	CHINA PROPERTY INVESTMENTS LIMITED	Mauritius
20-2937258	Closing Documentation Services, LLC	United States
	CMC Holdco Inc.	United States
	CMC Railroad, Inc.	United States
30-0791081	Colorado - PTH, LLC	United States
CER151028DM3	Comercializadora Energia de la Reforma S. de R.L. de C.V.	Mexico
	Commerce and Industry Brokerage Inc.	United States
	Connecticut Mystic Lien, LLC	United States
03241012	Corona Energy Limited	United Kingdom
03241002	Corona Energy Retail 1 Limited	United Kingdom
SC138299	Corona Energy Retail 2 Limited	United Kingdom
02746961	Corona Energy Retail 3 Limited	United Kingdom
02798334	Corona Energy Retail 4 Limited	United Kingdom
07545410	Corona Energy Retail 5 Limited	United Kingdom
02879748	Corona Gas Management Limited	United Kingdom
51-0566317	Crystal Screens Media Inc.	United States
64075C1/GBL	DALIAN II HOLDING COMPANY LIMITED	Mauritius
10520639	Danube Investments Limited	United Kingdom
37-1737048	DC - PTH, LLC	United States
47-5449633	Delaware Asia Select Fund	United States
23-3061021	Delaware Capital Management	United States
27-1291359	Delaware Capital Management Advisers, Inc.	United States
23-2226487	Delaware Distributors, Inc.	United States

23-2791871	Delaware Distributors, L.P.	United States
46-3152566	Delaware Emerging Market Debt Fund	United States
46-4850078	Delaware Investments Advisers Partner, Inc.	United States
N/A	Delaware Investments Corporate Bond Fund (UCITs)	Ireland
46-4639812	Delaware Investments Distribution Partner, Inc.	United States
46-1906107	Delaware Investments Fund Advisers	United States
46-5056965	Delaware Investments Fund Services Company	United States
	Delaware Investments Global Value Equity (UCITs)	Ireland
N/A	Delaware Investments Global Value Equity Fund (UCITs)	Ireland
13-3465352	Delaware Investments Management Company, LLC	United States
23-2859589	Delaware Management Company	United States
23-2601407	Delaware Management Trust Company	United States
27-2437046	Delaware Real Estate Absolute Return Partners, Inc.	United States
13-3465338	Delaware Service Company, Inc.	United States
81-2626999	Delaware Small Cap Growth Fund	United States
	DELTA1 FINANCE TRUST	Australia
008606871	DEXIN NOMINEES PTY. LIMITED	Australia
083 158 614	DIVCO 22 PTY LIMITED	Australia
	East Inwood Arbor, LLC	United States
094631964	EASTERN SEA TRADING PTY LIMITED	Australia
608 027 505	EDUWEST EQUITY HOLDING PTY LIMITED	Australia
608 027 434	EDUWEST PROJECT CO PTY LIMITED	Australia
608 027 596	EDUWEST PROJECT HOLDING COMPANY PTY LIMITED	Australia
127338827	ELAINE WINDFARM PTY LTD	Australia
	Electrodes Holdings, LLC	United States
069344001	ELISE NOMINEES PTY LIMITED	Australia
SC546822	Energetics Asset Management UK Limited	United Kingdom
SC234695	Energetics Design & Build Limited	United Kingdom
SC234694	Energetics Electricity Limited	United Kingdom
SC303150	Energetics Gas Limited	United Kingdom
SC455073	Energetics Holdco Limited	United Kingdom
SC455134	Energetics Midco Limited	United Kingdom
SC293480	Energetics Networked Energy Ltd.	United Kingdom
SC546714	Energetics Networks UK Limited	United Kingdom
SC455074	Energetics Topco Limited	United Kingdom
006435810	EQUITAS NOMINEES PTY. LIMITED	Australia
	ERC Holdco LLC	United States
079878783	EURO FIN CO PTY LTD	Australia
20-5600465	FAS 1 LLC	United States
137357	FINCH SECURITIES LIMITED	Cayman Islands
12-377-980/0001-25	FIP Gestora de Recursos Ltda.	Brazil
80-0940702	FL - PTH 1, LLC	United States
36-4767568	FL - PTH 10, LLC	United States
90-1004919	FL - PTH 2, LLC	United States
61-1718024	FL - PTH 3, LLC	United States
80-0941771	FL - PTH 4, LLC	United States
90-1005859	FL - PTH 5, LLC	United States
80-0942248	FL - PTH 6, LLC	United States
90-1006383	FL - PTH 7, LLC	United States
80-0942772	FL - PTH 8, LLC	United States
80-0943053	FL - PTH 9, LLC	United States
46-2260160	Florida Coral Lien Investments, LLC	United States
61-1577729	Florida Dundee Lien Investments, LLC	United States
95-4881110	Four Corners Capital Management, LLC	United States
	Fox-Pitt Kelton Cochran Caronia Waller (USA) LLC	United States
06-1058201	Fox-Pitt Kelton Cochran Caronia Waller LLC	United States
01601171	Fox-Pitt, Kelton Limited	United Kingdom
32157	Fox-Pitt, Kelton N.V.	Curaçao
99228	FPK Capital I CIP GP Limited	Jersey
20-5600465	Fremantle Energy Holdings, LLC	United States
20-5600465	Fremantle Energy, LLC	United States
20-2384759	Fremantle Wind Holdings Inc.	United States
9699834	Fulfilment Services Limited	United Kingdom
106204862	FUNDCORP PTY LIMITED	Australia
30-0790149	GA - PTH, LLC	United States
054001400	GATESUN PTY. LIMITED	Australia
570800	GGB inBalans Investco Ireland GP Limited	Ireland
009642942	GILLMAN PTY. LIMITED	Australia
MC143292	GLOBAL STAR GP LTD	Cayman Islands
0110-03-004802	GODO KAISHA ALPHA MEGA SOLAR PROJECT NO. 1	Japan
0110-03-004888	GODO KAISHA ALPHA MEGA SOLAR PROJECT NO. 2	Japan
05481707	Goonzaran Bluebell Funding Limited	United Kingdom
05473771	Goonzaran Bluebell Leasing Limited	United Kingdom
	Harrison Leasing Corporation	United States
415492	HBEAR CO. NO.1 LIMITED (in voluntary liquidation)	Ireland
125438600	HENDERSON WA PTY LIMITED	Australia

not registered	HENDERSON WA TRUST	Australia
559017	Hermes Infrastructure Investco Ireland GP Limited	Ireland
	High Lonesome Holdings LLC	United States
20-5600465	High Lonesome Wind, LLC	United States
104173891	HUB X PTY LIMITED	Australia
	Hybrid-Electric Building Technologies Irvine 1, LLC	United States
	Hybrid-Electric Building Technologies Irvine 2, LLC	United States
	Hybrid-Electric Building Technologies West Los Angeles 1, LLC	United States
	Hybrid-Electric Building Technologies West Los Angeles 2, LLC	United States
97666	Hydra Investments 2007 Limited	Jersey
002757020	IDAMENEO (NO. 79) NOMINEES PTY. LIMITED	Australia
46-1490923	Illinois Salt Fox Investments, LLC	United States
20-2937198	Indiana TLP, LLC	United States
	Integra Springs Property Owner LLC	United States
CR-113608	Jackson Leasing Limited	Cayman Islands
0100-02-036303	JIG HOLDINGS LIMITED	Japan
611 447 628	JURIS PARTNERSHIP MCHPL EQUITY HOLDING COMPANY PTY LTD	Australia
609 122 901	JURIS PARTNERSHIP MCHPL PROJECT CO PTY LTD	Australia
609 115 997	JURIS PARTNERSHIP MCHPL PROJECT HOLDING COMPANY PTY LTD	Australia
464138	Juuichi Limited (in voluntary liquidation)	Ireland
CR-113609	Kearny Leasing Limited	Cayman Islands
20-5913622	Keba Energy LLC	United States
09541115	Kingswood Mortgages 2015-1 Holdings Limited	United Kingdom
09541195	Kingswood Mortgages 2015-1 PLC	United Kingdom
603561360	KUBIO GROUP PTY LTD	Australia
56649800	L2 B.V.	Netherlands
FC032012	L2 B.V. (UK Branch)	United Kingdom
140 135 379	LAKE GEORGE WIND FARM DEVELOPMENTS PTY LTD	Australia
08763016	Lakehouse Mortgages Limited	United Kingdom
617 886 567	LAL LAL WIND FARMS ASSET CO PTY LIMITED	Australia
617 886 567	Lal Lal Wind Farms Asset Trust	Australia
617 896 125	LAL LAL WIND FARMS FIN CO PTY LIMITED	Australia
617 788 217	Lal Lal Wind Farms Hold Trust	Australia
617 788 217	LAL LAL WIND FARMS HOLDINGS PTY LIMITED	Australia
615861259	LAL LAL WIND FARMS PTY LIMITED	Australia
617025573	LAWSON CROP AUSTRALIA PTY LIMITED	Australia
8272295	Levantera Developments Limited	United Kingdom
	Liberty Green Renewables Indiana, LLC	United States
20-2937206	Lien Data Services, LLC	United States
HRB80214	Lightning Bolt Germany GmbH (in liquidation)	Germany
	Long Beach Airport Hangar Owner LLC	United States
	M Acquisition Company II LLC	United States
	M Acquisition Company III Corporation	United States
	M Acquisition III Sponsor, LLC	United States
	MAC FUND ONE TRUST	Australia
198500776M	MACQUARIE (ASIA) PTE LTD.	Singapore
27230949	MACQUARIE (ASIA) PTE LTD. TAIWAN BRANCH	Taiwan
51983	Macquarie (Bermuda) Limited	Bermuda
132 864 950	MACQUARIE (CIS) HOLDINGS PTY LTD	Australia
200228	MACQUARIE (HK) FINANCIAL SERVICES LIMITED	Hong Kong
0100-01-068766	MACQUARIE (JAPAN) LIMITED	Japan
SC280388	Macquarie (Scotland) GP Limited	United Kingdom
06287793	Macquarie (UK) Group Services Limited	United Kingdom
46-3119820	Macquarie Absolute Return Real Estate Fund (Master), Ltd.	Cayman Islands
008594885	MACQUARIE ACCEPTANCES PTY LIMITED	Australia
095180788	MACQUARIE ADMIN SERVICES PTY LIMITED	Australia
WK-211745	Macquarie Advanced Investment Partners G.P. Ltd.	Cayman Islands
486592	Macquarie Aerospace AF (Ireland) Limited	Ireland
WK-228185	Macquarie Aerospace Finance 39414-1 Limited	Cayman Islands
BR018331	Macquarie Aerospace Finance 39414-1 Limited, UK Branch	United Kingdom
07575063	Macquarie Aerospace Finance 39414-2 Limited	United Kingdom
556860-1602	Macquarie Aerospace Finance 39425 AB	Sweden
997 538 161 MVA	Macquarie Aerospace Finance 39429 AS	Norway
IT-298288	Macquarie Aerospace Finance 39429 Limited	Cayman Islands
BR018337	Macquarie Aerospace Finance 39429 Limited, UK Branch	United Kingdom
537804	Macquarie Aerospace Finance 39437 Limited	Ireland
WK-285119	Macquarie Aerospace Finance 39438 Limited	Cayman Islands
WK-286855	Macquarie Aerospace Finance 39440 Limited	Cayman Islands
571997	Macquarie Aerospace Finance 39442 Limited	Ireland
571998	Macquarie Aerospace Finance 40967 Limited	Ireland
7695532	Macquarie Aerospace Finance 4257-2 Limited	United Kingdom
996 790 827	Macquarie Aerospace Finance 4720 AS	Norway
498271	Macquarie Aerospace Finance 4720-1 Limited	Ireland
498680	Macquarie Aerospace Finance 4720-2 Limited	Ireland
BR018338	Macquarie Aerospace Finance 4720-2 Limited, UK Branch	United Kingdom
504303	Macquarie Aerospace Finance 5027 Limited	Ireland

504304	Macquarie Aerospace Finance 5090 Limited	Ireland
508880	Macquarie Aerospace Finance 5092 Limited	Ireland
266822	Macquarie Aerospace Finance 5178 Limited	Cayman Islands
BR018323	Macquarie Aerospace Finance 5178 Limited, UK Branch	United Kingdom
517127	Macquarie Aerospace Finance 5315 Limited	Ireland
BR018350	Macquarie Aerospace Finance 5315 Limited, UK Branch	United Kingdom
516215	Macquarie Aerospace Finance 5403 Limited	Ireland
7802517	Macquarie Aerospace Finance 5433 Limited	United Kingdom
516216	Macquarie Aerospace Finance 5466 Limited	Ireland
782521	Macquarie Aerospace Finance 5482-2 Limited	United Kingdom
527101	Macquarie Aerospace Finance 5673 Limited	Ireland
BR018349	Macquarie Aerospace Finance 5673 Limited, UK Branch	United Kingdom
WK-27905	Macquarie Aerospace Finance 5742 Limited	Cayman Islands
BR018342	Macquarie Aerospace Finance 5742 Limited, UK Branch	United Kingdom
999184650 MVA	Macquarie Aerospace Finance 5773 AS	Norway
WK-280125	Macquarie Aerospace Finance 5773 Limited	Cayman Islands
BR018339	Macquarie Aerospace Finance 5773 Limited, UK Branch	United Kingdom
533279	Macquarie Aerospace Finance 5822-1 Limited	Ireland
WK-281265	Macquarie Aerospace Finance 5822-2 Limited	Cayman Islands
BR018332	Macquarie Aerospace Finance 5822-2 Limited, UK Branch	United Kingdom
912 510 352 MVA	Macquarie Aerospace Finance 5844 AS	Norway
WK-281267	Macquarie Aerospace Finance 5844 Limited	Cayman Islands
BR018346	Macquarie Aerospace Finance 5844 Limited, UK Branch	United Kingdom
WK-281268	Macquarie Aerospace Finance 5857-1 Limited	Cayman Islands
BR018345	Macquarie Aerospace Finance 5857-1 Limited, UK Branch	United Kingdom
8705337	Macquarie Aerospace Finance 5857-2 Limited	United Kingdom
WK-281249	Macquarie Aerospace Finance 5892-1 Limited	Cayman Islands
BR018335	Macquarie Aerospace Finance 5892-1 Limited, UK Branch	United Kingdom
8704469	Macquarie Aerospace Finance 5892-2 Limited	United Kingdom
WK-281316	Macquarie Aerospace Finance 5951-1 Limited	Cayman Islands
BR018340	Macquarie Aerospace Finance 5951-1 Limited, UK Branch	United Kingdom
8705352	Macquarie Aerospace Finance 5951-2 Limited	United Kingdom
WK-281315	Macquarie Aerospace Finance 5979-1 Limited	Cayman Islands
BR018324	Macquarie Aerospace Finance 5979-1 Limited, UK Branch	United Kingdom
8704473	Macquarie Aerospace Finance 5979-2 Limited	United Kingdom
WK-285115	Macquarie Aerospace Finance 5996 Limited	Cayman Islands
539973	Macquarie Aerospace Finance 6025-1 Limited	Ireland
WK-285274	Macquarie Aerospace Finance 6025-2 Limited	Cayman Islands
BR018348	Macquarie Aerospace Finance 6025-2 Limited, UK Branch	United Kingdom
539286	Macquarie Aerospace Finance 6039/6535 Limited	Ireland
BR018341	Macquarie Aerospace Finance 6039/6535 Limited, UK Branch	United Kingdom
541007	Macquarie Aerospace Finance 6045 Limited	Ireland
BR018347	Macquarie Aerospace Finance 6045 Limited, UK Branch	United Kingdom
541008	Macquarie Aerospace Finance 6079 Limited	Ireland
BR018330	Macquarie Aerospace Finance 6079 Limited, UK Branch	United Kingdom
541009	Macquarie Aerospace Finance 6081 Limited	Ireland
BR018321	Macquarie Aerospace Finance 6081 Limited, UK Branch	United Kingdom
WK-285849	Macquarie Aerospace Finance 6113-1 Limited	Cayman Islands
BR018353	Macquarie Aerospace Finance 6113-1 Limited, UK Branch	United Kingdom
8934030	Macquarie Aerospace Finance 6113-2 Limited	United Kingdom
WK-285848	Macquarie Aerospace Finance 6140-1 Limited	Cayman Islands
BR018334	Macquarie Aerospace Finance 6140-1 Limited, UK Branch	United Kingdom
8934031	Macquarie Aerospace Finance 6140-2 Limited	United Kingdom
547276	Macquarie Aerospace Finance 6220 Limited	Ireland
290012	Macquarie Aerospace Finance 6242 Limited	Cayman Islands
BR018343	Macquarie Aerospace Finance 6242 Limited, UK Branch	United Kingdom
291538	Macquarie Aerospace Finance 6254-1 Limited	Cayman Islands
BR018352	Macquarie Aerospace Finance 6254-1 Limited, UK Branch	United Kingdom
9210708	Macquarie Aerospace Finance 6254-2 Limited	United Kingdom
IT-291873	Macquarie Aerospace Finance 6288 Limited	Cayman Islands
913 285 700 MVA	Macquarie Aerospace Finance 6320 AS	Norway
IT-292643	Macquarie Aerospace Finance 6320 Limited	Cayman Islands
BR018326	Macquarie Aerospace Finance 6320 Limited, UK Branch	United Kingdom
IT-291847	Macquarie Aerospace Finance 6321 Limited	Cayman Islands
914599474	Macquarie Aerospace Finance 6422 AS	Norway
IT-294038	Macquarie Aerospace Finance 6422 Limited	Cayman Islands
BR018327	Macquarie Aerospace Finance 6422 Limited, UK Branch	United Kingdom
WK-269465	Macquarie Aerospace Finance Limited	Cayman Islands
BR018366	Macquarie Aerospace Finance Limited, UK Branch	United Kingdom
9458807	Macquarie Aerospace Finance UK Limited	United Kingdom
	Macquarie Aerospace Finance US Holdings LLC	United States
	Macquarie Aerospace Finance US LLC	United States
9457141	Macquarie Aerospace Holdings UK Limited	United Kingdom
27-2669479	Macquarie Aerospace Inc.	United States
06863307	Macquarie Aerospace Investments Limited	United Kingdom
484423	Macquarie Aerospace Ireland Limited	Ireland

44138	MACQUARIE AEROSPACE LIMITED	Bermuda
906393	Macquarie Aerospace Limited, Dublin Branch	Ireland
27-1564084	Macquarie Affiliated Managers (USA) Inc.	United States
26-2103542	Macquarie Affiliated Managers Holdings (USA) Inc.	United States
2000/001243/07	MACQUARIE AFRICA PROPRIETARY LIMITED	South Africa
122169368	MACQUARIE AGRICULTURAL FUNDS MANAGEMENT LTD	Australia
611566217	MACQUARIE AGRICULTURAL FUNDS MANAGEMENT NO.2 PTY LIMITED	Australia
116381634	MACQUARIE AGRICULTURAL SERVICES PTY LIMITED	Australia
Not Registered	Macquarie Agriculture Trust 1	Australia
Not registered	Macquarie Agriculture Trust 2	Australia
429567	Macquarie Aircraft Leasing Holdings (2) Limited	Ireland
139 633 015	MACQUARIE AIRCRAFT LEASING HOLDINGS PTY LIMITED	Australia
426824	Macquarie Aircraft Leasing Limited	Ireland
139 654 407	MACQUARIE AIRCRAFT LEASING PTY LIMITED	Australia
130 643 319	MACQUARIE AIRCRAFT LEASING SERVICES (AUSTRALIA) PTY LTD	Australia
429566	Macquarie Aircraft Leasing Services (Ireland) Limited	Ireland
200917376C	Macquarie Aircraft Leasing Services (Singapore) Pte. Ltd.	Singapore
5988531	Macquarie Aircraft Leasing Services (UK) Limited	United Kingdom
	Macquarie Aircraft Leasing Services (US), Inc.	United States
	MACQUARIE AIRCRAFT LEASING TRUST A	Australia
464499	Macquarie AirFinance Acquisitions (Ireland) Limited	Ireland
LL09680	Macquarie AirFinance Acquisitions (Labuan) Limited	Malaysia
6767724	Macquarie AirFinance Acquisitions (UK) Limited	United Kingdom
41289	Macquarie AirFinance Acquisitions Limited	Bermuda
905881	Macquarie AirFinance Acquisitions Limited, Dublin Branch	Ireland
41212.0	Macquarie AirFinance Aruba A.V.V.	Aruba
435319	Macquarie AirFinance Holdings Limited	Ireland
38946	Macquarie AirFinance Ltd.	Bermuda
905984	Macquarie AirFinance Ltd., Dublin Branch	Ireland
26-2103542	Macquarie Allegiance Capital, LLC	United States
37-1740746	Macquarie Alpine Inc.	United States
103237181	MACQUARIE ALTERNATIVE ASSETS MANAGEMENT LIMITED	Australia
26-3816229	Macquarie Alternative Strategies	United States
617817893	Macquarie Amadeus Pty Limited	Australia
	Macquarie AMC Investment REIT LLC	United States
26-3769039	Macquarie America Holdings Inc.	United States
26-3771444	Macquarie America Services Inc.	United States
13-4184042	MACQUARIE AMERICAS CORP.	United States
124071414	MACQUARIE AMERICAS HOLDINGS PTY LTD	Australia
T17LP0078A	Macquarie Asia Infrastructure Fund 2 LP	Singapore
B 215.197	Macquarie Asia Infrastructure Fund 2 SCSp	Luxembourg
201713842E	Macquarie Asia Infrastructure Investments 2 Pte. Ltd.	Singapore
201713780Z	Macquarie Asia Infrastructure Management 2 Pte. Limited	Singapore
289176	Macquarie Asia Infrastructure Management Limited	Cayman Islands
313050	Macquarie Asia Specialized Asset Management I Limited	Cayman Islands
41-2183382	Macquarie Asset Advisers	United States
8253772	Macquarie Asset Finance Holdings Limited	United Kingdom
0100-01-107687	MACQUARIE ASSET FINANCE JAPAN LIMITED	Japan
57952C1/GBL	MACQUARIE ASSET FINANCE MAURITIUS LTD	Mauritius
064219601	MACQUARIE ASSET FINANCE PTY LIMITED	Australia
26-3263254	MACQUARIE ASSET MANAGEMENT INC.	United States
0100-01-156193	MACQUARIE ASSET MANAGEMENT JAPAN CO., LTD.	Japan
001263583	MACQUARIE ASSET MANAGEMENT PTY LIMITED	Australia
000736210	MACQUARIE AUSTRALIA PTY LIMITED	Australia
074453286	MACQUARIE AUSTRALIA SECURITIES PTY LIMITED	Australia
077595012	MACQUARIE AUSTRALIAN INFRASTRUCTURE MANAGEMENT 1 LIMITED	Australia
131476910	MACQUARIE AUSTRALIAN INFRASTRUCTURE MANAGEMENT 2 LIMITED	Australia
121836191	MACQUARIE AVENIR NO. 1 PTY LIMITED	Australia
121836235	MACQUARIE AVENIR NO. 2 PTY LIMITED	Australia
368579	MACQUARIE AVIATION CAPITAL FINANCE LIMITED	Ireland
368589	Macquarie Aviation Capital Group Unlimited Company (in voluntary liquidation)	Ireland
124071432	MACQUARIE B.H. PTY LTD	Australia
06309906	Macquarie Bank International Limited	United Kingdom
HRB 189708	Macquarie Bank International Limited, Niederlassung Deutschland	Germany
FN 331748 s	Macquarie Bank International Limited, Vienna Branch	Austria
008583542	MACQUARIE BANK LIMITED	Australia
1045	Macquarie Bank Limited (DIFC Recognised Company)	United Arab Emirates
F18649	MACQUARIE BANK LIMITED (HONG KONG BRANCH)	Hong Kong
FC018220	Macquarie Bank Limited (London Branch)	United Kingdom
104-84-07697	MACQUARIE BANK LIMITED (SEOUL BRANCH)	Korea, Republic of
	Macquarie Bank Limited (Zurich Rep Office)	Switzerland
T11FC0018C	MACQUARIE BANK LIMITED SINGAPORE BRANCH	Singapore
90-0899142	Macquarie Basin Leasing LLC	United States
R.P.M. 892390892	Macquarie Belgium TCG SPRL	Belgium
HRA 43920	MACQUARIE BETEILIGUNGSPORTFOLIO NR. 4 GMBH & CO. KG	Germany

HRB 232767	Macquarie Beteiligungstreuhand GmbH	Germany
CNPJ03.516.449/0001	MACQUARIE BRASIL PARTICIPACOES LTDA	Brazil
109649292	MACQUARIE BUSINESS SOLUTIONS PTY LIMITED	Australia
	Macquarie CAF Holdings Inc.	United States
	Macquarie CAF LLC	United States
	Macquarie CAF Management LLC	United States
13-4055193	Macquarie CAF RE Holdings, Inc.	United States
839742-2	Macquarie Canada MPIP GP Ltd.	Canada
839745-7	Macquarie Canada MPIP LP Ltd.	Canada
683412-4	Macquarie Canada Services Ltd.	Canada
6489800	Macquarie Canadian Investment Holdings Ltd.	Canada
123199548	MACQUARIE CAPITAL (AUSTRALIA) LIMITED	Australia
03704031	Macquarie Capital (Europe) Limited	United Kingdom
34297902	Macquarie Capital (Europe) Limited, Amsterdam Branch	Netherlands
905963	Macquarie Capital (Europe) Limited, Dublin Branch	Ireland
N/A	Macquarie Capital (Europe) Limited, Geneva Representative Office	Switzerland
HRB 82506	Macquarie Capital (Europe) Limited, Niederlassung Deutschland	Germany
104-81-64533	MACQUARIE CAPITAL (KOREA) LIMITED	Korea, Republic of
1952567	MACQUARIE CAPITAL (NEW ZEALAND) LIMITED	New Zealand
199704430K	MACQUARIE CAPITAL (SINGAPORE) PTE. LIMITED	Singapore
98-0141094	MACQUARIE CAPITAL (USA) INC	United States
002149053	Macquarie Capital Acquisitions (Canada) Ltd.	Canada
716740-7	Macquarie Capital Acquisitions (Canada) No.2 Ltd	Canada
130 342 915	MACQUARIE CAPITAL ADVISERS CRE PTY LTD	Australia
137760822	MACQUARIE CAPITAL ARGENTINA PTY LTD	Australia
905313-1	Macquarie Capital Development Canada Ltd.	Canada
127829458	MACQUARIE CAPITAL FINANCE (AUSTRALIA) PTY LTD	Australia
133 664 632	MACQUARIE CAPITAL FINANCE HOLDINGS (AUSTRALIA) PTY LIMITED	Australia
110605724	MACQUARIE CAPITAL FUNDING (LP) PTY LIMITED	Australia
13-3789912	Macquarie Capital Funding LLC	United States
002149050	Macquarie Capital Holdings (Canada) Ltd.	Canada
0687	Macquarie Capital Holdings (Dubai) Limited (in members' voluntary liquidation)	United Arab Emirates
43-2082900	Macquarie Capital Investment Management LLC	United States
135973	MACQUARIE CAPITAL LIMITED	Hong Kong
110-84-02227	MACQUARIE CAPITAL LIMITED (SEOUL BRANCH)	Korea, Republic of
89407381	Macquarie Capital Limited, Taiwan Securities Branch	Taiwan
565608	Macquarie Capital Markets Canada Ltd./Marchés Financiers Macquarie Canada Ltée.	Canada
1079073	Macquarie Capital Markets North America Ltd./Marchés Financiers Macquarie Amérique Du Nord Ltée.	Canada
611836812	MACQUARIE CAPITAL PARTNERS MANAGEMENT PTY LIMITED	Australia
803092-8	Macquarie Capital Principal Holdings Canada Ltd	Canada
U65920MH1995PTC090696	Macquarie Capital Securities (India) Private Limited	India
MC-134609	MACQUARIE CAPITAL SECURITIES (JAPAN) LIMITED	Cayman Islands
0100-03-012063	MACQUARIE CAPITAL SECURITIES (JAPAN) LIMITED (TOKYO BRANCH)	Japan
463469-W	MACQUARIE CAPITAL SECURITIES (MALAYSIA) SDN. BHD.	Malaysia
15184/2070C1/GBL	MACQUARIE CAPITAL SECURITIES (MAURITIUS) LIMITED	Mauritius
180496	Macquarie Capital Securities (Philippines) Inc.	Philippines
198702912C	MACQUARIE CAPITAL SECURITIES (SINGAPORE) PTE. LIMITED	Singapore
2003/014483/07	Macquarie Capital South Africa Proprietary Limited	South Africa
13-3789912	Macquarie Capital US Acquisitions LLC	United States
133 001 359	MACQUARIE CAPITAL WIND MANAGEMENT PTY LTD	Australia
169009	MACQUARIE CAYMAN HOLDINGS 2 CO.	Cayman Islands
168347	MACQUARIE CAYMAN HOLDINGS CO	Cayman Islands
124022126	MACQUARIE CHEONGNA INVESTMENT PTY LTD	Australia
50019	Macquarie China Logistics Fund Limited	Bermuda
1660458	Macquarie China Logistics Management Limited	Hong Kong
201016397N	MACQUARIE COMMODITIES (SINGAPORE) PTE. LIMITED	Singapore
SP.688/AsingP3A PDN.2/9/2010	MACQUARIE COMMODITIES (SINGAPORE) PTE. LIMITED, Indonesia Rep. Office	Indonesia
05259474	Macquarie Commodities (UK) Limited	United Kingdom
26-0555065	MACQUARIE COMMODITIES (USA) INC	United States
15.246.175/0001-50	Macquarie Commodities Brasil S/A	Brazil
06863247	Macquarie Commodities Factoring Holdings (UK) Limited	United Kingdom
20-5913559	MACQUARIE COMMODITIES FACTORING LLC	United States
05259503	Macquarie Commodities Finance (UK) Limited	United Kingdom
20-5913559	MACQUARIE COMMODITIES HOLDINGS (USA) LLC	United States
913100003017346652	MACQUARIE COMMODITIES TRADING (SHANGHAI) CO, LTD	China
91310000342091408Y	Macquarie Commodities Trading (Shanghai) Co, Ltd First Branch	China
201711753C	MACQUARIE COMMODITIES TRADING (SINGAPORE) PTE. LIMITED	Singapore
620092435	MACQUARIE COMMODITIES TRADING AUSTRALIA PTY LIMITED	Australia
CHE-490.254.918	Macquarie Commodities Trading SA	Switzerland
	Macquarie Commodities Trading US, LLC	United States
200813631K	MACQUARIE COMMODITY MARKETS (SINGAPORE) PTE. LIMITED	Singapore
4752472	Macquarie Corona Energy Holdings Limited	United Kingdom
611405	Macquarie Corporate (Hong Kong) Limited	Hong Kong

368580	Macquarie Corporate and Asset Finance (Ireland) Limited (in voluntary liquidation)	Ireland
7815862	Macquarie Corporate and Asset Finance 1 Limited	United Kingdom
8253764	Macquarie Corporate and Asset Finance 2 Limited	United Kingdom
006198910	MACQUARIE CORPORATE AND ASSET FINANCE LIMITED	Australia
26-3769367	MACQUARIE CORPORATE AND ASSET FUNDING INC.	United States
008606862	MACQUARIE CORPORATE FINANCE HOLDINGS PTY LTD	Australia
008595426	MACQUARIE CORPORATE FINANCE LIMITED	Australia
HRB52973	MACQUARIE CORPORATE FINANCE LIMITED NIEDERLASSUNG DEUTSCHLAND	Germany
096705109	MACQUARIE CORPORATE HOLDINGS PTY LIMITED	Australia
FC027878	Macquarie Corporate Holdings Pty Limited (UK Branch)	United Kingdom
123199253	MACQUARIE CORPORATE INTERNATIONAL HOLDINGS PTY LIMITED	Australia
20-1536178	MACQUARIE COTTON INTERNATIONAL INC	United States
90-0797831	Macquarie Credit Investment Management Inc.	United States
MC-266242	MACQUARIE CREDIT NEXUS FUND LIMITED	Cayman Islands
MC-266243	MACQUARIE CREDIT NEXUS MASTER FUND LIMITED	Cayman Islands
27-2279644	Macquarie Crop Partners GP, LLC	United States
132821580	MACQUARIE DELTA1 FINANCE SERVICES PTY LIMITED	Australia
29318190	Macquarie Denmark Limited A/S	Denmark
102607616	MACQUARIE DEVELOPMENT CAPITAL II PTY LIMITED	Australia
134474712	MACQUARIE DEVELOPMENT CAPITAL MANAGEMENT PTY LIMITED	Australia
008607083	MACQUARIE DIRECT INVESTMENT PTY LIMITED	Australia
20.3.0.31.542-6	Macquarie Distribution Finance Ltd.	Switzerland
114099795	MACQUARIE DIVERSIFIED ASSET ADVISORY PTY LIMITED	Australia
20-5962618	MACQUARIE DYNAMIC MANAGEMENT (USA) INC	United States
363806	MACQUARIE ELECTRONICS LIMITED (in voluntary liquidation)	Ireland
363803	MACQUARIE ELECTRONICS REMARKETING LIMITED (in voluntary liquidation)	Ireland
54-2077555	MACQUARIE ELECTRONICS USA INC	United States
200408424K	MACQUARIE EMERGING MARKETS ASIAN TRADING PTE. LIMITED	Singapore
F18440	MACQUARIE EMERGING MARKETS ASIAN TRADING PTE. LIMITED (HONG KONG BRANCH)	Hong Kong
143365673	Macquarie Emerging Markets Investments Pty Ltd	Australia
127185719	MACQUARIE EMG HOLDINGS PTY LIMITED	Australia
22.084.882/0001-53	Macquarie Energia Brasil Comercializadora Ltda.	Brazil
CNPJ 19.641.624/0001-16	Macquarie Energia Brasil Ltda.	Brazil
6643795	Macquarie Energy Canada Ltd.	Canada
664374-4	Macquarie Energy Holdings Canada Ltd.	Canada
122300592	MACQUARIE ENERGY HOLDINGS PTY LTD	Australia
8253776	Macquarie Energy Leasing Limited	United Kingdom
93-1043421	Macquarie Energy LLC	United States
MGS141223CE7	Macquarie Energy Mexico, S. de R.L. de C.V.	Mexico
20-3690322	Macquarie Energy North America Investments, LLC	United States
20-3690322	MACQUARIE ENERGY NORTH AMERICA TRADING INC.	United States
	Macquarie Energy Partners GP LLC	United States
	Macquarie Energy Partners Inc.	United States
	Macquarie Energy Partners, L.P.	United States
	Macquarie Equipment Capital Inc.	United States
935411-5	Macquarie Equipment Finance (Canada) Limited	Canada
421234	Macquarie Equipment Finance Designated Activity Company	Ireland
262381	MACQUARIE EQUIPMENT FINANCE LIMITED	New Zealand
605377-7	Macquarie Equipment Finance Ltd./Macquarie Financement d'Équipement Ltée.	Canada
475730	Macquarie Equipment Finance Services Limited	Ireland
468487	Macquarie Equipment Funding Limited	Ireland
459515-H	MACQUARIE EQUIPMENT LEASING SDN. BHD.	Malaysia
112079268	MACQUARIE EQUIPMENT RENTALS PTY LIMITED	Australia
063906392	MACQUARIE EQUITIES (US) HOLDINGS PTY. LIMITED	Australia
002574923	MACQUARIE EQUITIES LIMITED	Australia
2006/000899/07	Macquarie Equities South Africa Proprietary Limited	South Africa
001374572	MACQUARIE EQUITY CAPITAL MARKETS PTY LIMITED	Australia
7713808	Macquarie Euro Limited	United Kingdom
114801464	MACQUARIE EUROPEAN FINANCIAL INVESTMENTS PTY LTD	Australia
078771123	MACQUARIE EUROPEAN HOLDINGS PTY LIMITED	Australia
F15820	MACQUARIE EUROPEAN HOLDINGS PTY LIMITED (HONG KONG)	Hong Kong
06146573	Macquarie European Investment Holdings Limited	United Kingdom
8253782	Macquarie European Rail Limited	United Kingdom
B172.199	Macquarie European Rail Limited (Luxembourg Branch)	Luxembourg
	Macquarie Executive Holdings LLC	United States
06863285	Macquarie Factoring (UK) Limited	United Kingdom
116582524	MACQUARIE FARM ASSETS AND RESOURCES MANAGEMENT PTY	Australia
122169304	MACQUARIE FARM SERVICES PTY LIMITED	Australia
13-3789912	Macquarie Fastracks Holdings LLC	United States
26-2864605	Macquarie FG Holdings Inc.	United States
6855383	Macquarie FICC (UK) Limited	United Kingdom
	Macquarie FICC Holdings USA Inc.	United States

132 573 436	MACQUARIE FIEX INVESTMENT PTY LIMITED	Australia
U65999MH2009PTC190863	MACQUARIE FINANCE (INDIA) PRIVATE LIMITED	India
118817440	MACQUARIE FINANCE HOLDINGS LIMITED	Australia
106-81-94256	MACQUARIE FINANCE KOREA CO., LTD.	Korea, Republic of
001214964	MACQUARIE FINANCE LIMITED	Australia
13-3789912	Macquarie Financial Holdings (USA) LLC	United States
124071398	MACQUARIE FINANCIAL HOLDINGS PTY LIMITED	Australia
F15819	MACQUARIE FINANCIAL HOLDINGS PTY LIMITED (HONG KONG BRANCH)	Hong Kong
095135694	MACQUARIE FINANCIAL PRODUCTS MANAGEMENT LIMITED	Australia
200800950C	MACQUARIE FINANCIAL SERVICES (ASIA) PTE. LIMITED (in liquidation wef 29 Sep 2015)	Singapore
128948498	MACQUARIE FINANCIAL SERVICES HOLDINGS PTY LIMITED	Australia
2007/030612/07	Macquarie Financial Trustees Proprietary Limited	South Africa
HRB 98935	Macquarie Fonds GmbH	Germany
HRB 99628	Macquarie Fondsmanagement GmbH	Germany
093752946	MACQUARIE FORESTRY SERVICES PTY LIMITED	Australia
52230658	Macquarie Formosa 1 Co., Ltd.	Taiwan
481 104 479 R.C.S. Paris	Macquarie France SARL	France
127735960	Macquarie Fund Advisers Pty Limited	Australia
983572-5	Macquarie Funding 1 Ltd.	Canada
983577-6	Macquarie Funding 2 Ltd.	Canada
983582-2	Macquarie Funding 3 Ltd.	Canada
657826-8	Macquarie Funding Holdings Canada Ltd.	Canada
20-5913559	MACQUARIE FUNDING HOLDINGS LLC	United States
6581935	Macquarie Funding Inc.	Canada
LP00000352	MACQUARIE FUNDING LIMITED PARTNERSHIP	Australia
	Macquarie Funding LLC	United States
	Macquarie Funding USA Inc.	United States
20-3783039	MACQUARIE FUNDS MANAGEMENT (USA) INC.	United States
093177407	MACQUARIE FUNDS MANAGEMENT HOLDINGS PTY LIMITED	Australia
724745	MACQUARIE FUNDS MANAGEMENT HONG KONG LIMITED	Hong Kong
006880217	MACQUARIE FUNDS MANAGEMENT PTY LIMITED (DEREGISTERED 28/06/2017)	Australia
170076	MACQUARIE FUTURES & OPTIONS (HONG KONG) LIMITED	Hong Kong
201715715W	MACQUARIE FUTURES (SINGAPORE) PTE. LIMITED	Singapore
20-4193486	Macquarie Futures USA LLC	United States
137072112	MACQUARIE FX INVESTMENTS PTY LTD	Australia
128219330	MACQUARIE GCUH HOLDINGS PTY LIMITED	Australia
HRB 82733	Macquarie Germany Holdings GmbH	Germany
091487384	Macquarie Global Bond Fund	Australia
068897C1/GBL	MACQUARIE GLOBAL FINANCE SERVICES (MAURITIUS) LIMITED	Mauritius
05259497	Macquarie Global Investments (UK) Limited	United Kingdom
194165	MACQUARIE GLOBAL OPPORTUNITIES PARTNERS GP LTD	Cayman Islands
131661697	MACQUARIE GLOBAL OPPORTUNITIES PARTNERS INVESTMENT PTY	Australia
20-8983535	Macquarie Global Opportunities Partners LLC	United States
	Macquarie Global Services (USA) LLC	United States
U93090DL2007FTC199006	MACQUARIE GLOBAL SERVICES PRIVATE LIMITED	India
05488013	Macquarie GP Limited	United Kingdom
05718600	Macquarie GP2 Limited	United Kingdom
1396768	Macquarie Greater China Infrastructure Advisory Limited	Hong Kong
WK-245599	Macquarie Greater China Infrastructure Management Limited	Cayman Islands
124071389	MACQUARIE GROUP (US) HOLDINGS NO.1 PTY LTD	Australia
122169279	MACQUARIE GROUP EMPLOYEE RETAINED EQUITY PLAN (MEREP Trust)	Australia
200412291W	MACQUARIE GROUP HOLDINGS (SINGAPORE) PTE. LIMITED	Singapore
06357992	Macquarie Group Holdings (UK) No.1 Limited	United Kingdom
06357999	Macquarie Group Holdings (UK) No.2 Limited	United Kingdom
1952566	MACQUARIE GROUP HOLDINGS NEW ZEALAND LIMITED	New Zealand
124071478	MACQUARIE GROUP HOLDINGS NO.3 PTY LTD	Australia
07438584	Macquarie Group Investments (UK) No.2 Limited	United Kingdom
122169279	MACQUARIE GROUP LIMITED	Australia
245979	MACQUARIE GROUP NEW ZEALAND LIMITED (IN LIQUIDATION)	New Zealand
200703288K	MACQUARIE GROUP SERVICES (SINGAPORE) PTE. LIMITED	Singapore
116467031	MACQUARIE GROUP SERVICES AUSTRALIA PTY LTD	Australia
FC027877	MACQUARIE GROUP SERVICES AUSTRALIA PTY LTD (UK BRANCH)	United Kingdom
609449149	MACQUARIE GROUP TREASURY PTY LTD	Australia
728003-3	Macquarie Holdings (Canada) Ltd	Canada
388232	MACQUARIE HOLDINGS (MEXICO), S.A. DE C.V.	Mexico
200703280D	MACQUARIE HOLDINGS (SINGAPORE) PTE. LTD.	Singapore
13-3789912	MACQUARIE HOLDINGS (U.S.A.) INC.	United States
06309919	Macquarie Holdings (UK) No.1 Limited	United Kingdom
201714295K	MACQUARIE HOLDINGS 2 (SINGAPORE) PTE. LIMITED	Singapore
2006/000891/07	Macquarie Holdings South Africa Proprietary Limited	South Africa
not registered	MACQUARIE HOLDINGS TRUST	Australia
MC-199805	Macquarie Hong Kong Finance Limited	Cayman Islands
F15963	Macquarie Hong Kong Finance Limited (Hong Kong Branch)	Hong Kong
133001751	MACQUARIE I A RETURNS PTY LIMITED	Australia

36-4307649	MACQUARIE INC	United States
58341C1/GBL	MACQUARIE INDIA HOLDINGS LIMITED	Mauritius
200823500E	MACQUARIE INDIA INFRASTRUCTURE MANAGEMENT HOLDINGS PTE. LIMITED	Singapore
130542924	MACQUARIE INDIA PROPERTIES PTY LIMITED	Australia
201606310Z	MACQUARIE INDIA REAL ESTATE PTE. LTD.	Singapore
201603112D	MACQUARIE INDIA REAL ESTATE VENTURES 1 PTE. LTD.	Singapore
201603140Z	MACQUARIE INDIA REAL ESTATE VENTURES 2 PTE. LTD.	Singapore
T16LP0038J	MACQUARIE INDIA REAL ESTATE VENTURES LP	Singapore
C41803	MACQUARIE INDUSTRIAL INVESTMENTS MALTA LIMITED	Malta
CS201221372	MACQUARIE INFRASTRUCTURE ADVISORY (PHILIPPINES) INC.	Philippines
03976881	Macquarie Infrastructure and Real Assets (Europe) Limited	United Kingdom
n/a	Macquarie Infrastructure and Real Assets (Europe) Limited (Spain)	Spain
n/a	Macquarie Infrastructure and Real Assets (Europe) Limited, (Germany)	Germany
CL1804	Macquarie Infrastructure and Real Assets (Europe) Limited, DIFC Representative Office	United Arab Emirates
499 798 742 R.C.S. Paris	Macquarie Infrastructure and Real Assets (Europe) Limited, Paris Branch	France
623285	Macquarie Infrastructure and Real Assets (Hong Kong) Limited	Hong Kong
U67190MH2013PTC241809	Macquarie Infrastructure and Real Assets (India) Private Limited	India
784370-4	Macquarie Infrastructure and Real Assets (Sales) Canada Ltd	Canada
200513362E	MACQUARIE INFRASTRUCTURE AND REAL ASSETS (SINGAPORE) PTE. LIMITED	Singapore
10640222	Macquarie Infrastructure and Real Assets Core Limited	United Kingdom
082018399	MACQUARIE INFRASTRUCTURE AND REAL ASSETS HOLDINGS PTY LIMITED	Australia
20-8983572	Macquarie Infrastructure and Real Assets Inc.	United States
B 209.047	Macquarie Infrastructure and Real Assets Investments (Luxembourg) S.à r.l.	Luxembourg
09942610	Macquarie Infrastructure and Real Assets Investments 2 Limited	United Kingdom
10290869	Macquarie Infrastructure and Real Assets Investments 3 Limited	United Kingdom
8248121	Macquarie Infrastructure and Real Assets Investments Limited	United Kingdom
401814	Macquarie Infrastructure and Real Assets México, S.A. de C.V.	Mexico
084828437	Macquarie Infrastructure and Real Assets Pty Limited	Australia
B138295	Macquarie Infrastructure and Real Assets S.à r.l.	Luxembourg
LP017476	Macquarie Infrastructure Debt (UK Inflation Linked) Fund 2 L.P.	United Kingdom
	Macquarie Infrastructure Developments LLC	United States
074311390	MACQUARIE INFRASTRUCTURE FUNDS MANAGEMENT PTY LIMITED	Australia
5755862	Macquarie Infrastructure GP Limited	United Kingdom
WK-228075	MACQUARIE INFRASTRUCTURE LIMITED	Cayman Islands
112772871	MACQUARIE INFRASTRUCTURE MANAGEMENT (ASIA) PTY LIMITED	Australia
T06FC6823A	MACQUARIE INFRASTRUCTURE MANAGEMENT (ASIA) PTY LIMITED - SINGAPORE BRANCH	Singapore
128212868	MACQUARIE INFRASTRUCTURE MANAGEMENT (AUSTRALIA) LIMITED	Australia
20-0643354	MACQUARIE INFRASTRUCTURE MANAGEMENT (USA) INC	United States
115524028	MACQUARIE INFRASTRUCTURE MANAGEMENT LIMITED	Australia
4339673	Macquarie Infrastructure Partners Canada GP Ltd.	Canada
	Macquarie Infrastructure Partners II GP LLC	United States
30-0777655	Macquarie Infrastructure Partners III GP LLC	United States
20-4166306	MACQUARIE INFRASTRUCTURE PARTNERS INC	United States
	Macquarie Infrastructure Partners IV GP LLC	United States
B 213.766	Macquarie Infrastructure Partners IV SCSp	Luxembourg
20-8983572	Macquarie Infrastructure Partners U.S. GP LLC	United States
46726	Macquarie Infrastructure Philippines Limited	Bermuda
41533	MACQUARIE INFRASTRUCTURE REINSURANCE COMPANY LIMITED	Bermuda
200505701K	MACQUARIE INSURANCE (SINGAPORE) PTE. LTD.	Singapore
092985263	MACQUARIE INTERNATIONAL FINANCE LIMITED	Australia
04125302	Macquarie International Holdings Limited	United Kingdom
310000400294785 (Jing An)	MACQUARIE INTERNATIONAL HOUSING AND LAND CONSULTING (SHANGHAI) COMPANY LIMITED	China
108590996	MACQUARIE INTERNATIONAL INVESTMENTS PTY LIMITED	Australia
01802574	Macquarie International Limited	United Kingdom
F11422	MACQUARIE INTERNATIONAL LIMITED (HONG KONG BRANCH)	Hong Kong
169002	MACQUARIE INTERNATIONAL NEW YORK PARKING CO	Cayman Islands
502151	Macquarie International Services Limited	Hong Kong
04957256	Macquarie Internationale Investments Limited	United Kingdom
36631	MACQUARIE INVESTMENT (HONG KONG) LIMITED	Hong Kong
91110000765502969R	MACQUARIE INVESTMENT ADVISORY (BEIJING) CO LTD	China
91310000662467128L	MACQUARIE INVESTMENT ADVISORY (BEIJING) CO LTD (SHANGHAI BRANCH)	China
91310000MA1K31CL4R	Macquarie Investment Consulting (Shanghai) Co Ltd.	China
91310000MA1FR21D8P	Macquarie Investment Consulting (Shanghai) Co Ltd. (Shanghai Branch)	China
112017919	MACQUARIE INVESTMENT HOLDINGS NO.2 PTY LIMITED	Australia
122939600	MACQUARIE INVESTMENT HOLDINGS PTY LIMITED	Australia
41471	MACQUARIE INVESTMENT MANAGEMENT (BERMUDA) LIMITED	Bermuda
WN1114216	MACQUARIE INVESTMENT MANAGEMENT (NZ) LIMITED (IN LIQUIDATION)	New Zealand
23-2859590	Macquarie Investment Management Advisers	United States
092552611	MACQUARIE INVESTMENT MANAGEMENT AUSTRALIA LIMITED	Australia

FN 171881 t	Macquarie Investment Management Austria Kapitalanlage AG	Austria
N/A	Macquarie Investment Management Business Trust	United States
09612439	Macquarie Investment Management Europe Limited	United Kingdom
MI - 2115687	Macquarie Investment Management Europe Limited (Italy Representative Office)	Italy
TBC	Macquarie Investment Management Europe Limited, Niederlassung München	Germany
81-0842539	Macquarie Investment Management General Partner, Inc.	United States
086159060	MACQUARIE INVESTMENT MANAGEMENT GLOBAL LIMITED	Australia
FN 350922 m	Macquarie Investment Management Holdings (Austria) GmbH	Austria
604 942 127	MACQUARIE INVESTMENT MANAGEMENT HOLDINGS PTY LIMITED	Australia
116-81-22180	MACQUARIE INVESTMENT MANAGEMENT KOREA CO., LTD.	Korea, Republic of
002867003	MACQUARIE INVESTMENT MANAGEMENT LTD	Australia
071745401	MACQUARIE INVESTMENT SERVICES LIMITED	Australia
WK-133809	MACQUARIE INVESTMENTS (SINGAPORE) LIMITED	Cayman Islands
04104671	Macquarie Investments (UK) Limited	United Kingdom
05582630	Macquarie Investments 1 Limited	United Kingdom
05708696	Macquarie Investments 2 Limited	United Kingdom
07012592	Macquarie Investments 3 Limited	United Kingdom
069416977	MACQUARIE INVESTMENTS AUSTRALIA PTY LIMITED	Australia
HRB 74953	Macquarie Investments Deutschland GmbH	Germany
n/a	Macquarie Investments LLC	United States
2009/012283/07	Macquarie Investments Proprietary Limited	South Africa
45-2856257	Macquarie Investments US Inc.	United States
119211433	MACQUARIE INVESTORS PTY LTD	Australia
107147222	MACQUARIE JAPAN INFRASTRUCTURE NO.1 PTY LIMITED	Australia
0100-03-012002	MACQUARIE JAPAN INFRASTRUCTURE NO.1 PTY LIMITED (JAPAN BRANCH)	Japan
107147188	MACQUARIE JAPAN INFRASTRUCTURE NO.2 PTY LIMITED	Australia
117560282	MACQUARIE JAPAN INFRASTRUCTURE NO.3 PTY LIMITED	Australia
117560415	MACQUARIE JAPAN INFRASTRUCTURE NO.4 PTY LIMITED	Australia
0100-03-012591	MACQUARIE JAPAN INFRASTRUCTURE NO.4 PTY LIMITED (JAPAN BRANCH)	Japan
LP16087	Macquarie Juweel Investor LP	United Kingdom
104-81-76330	MACQUARIE KOREA ASSET MANAGEMENT CO., LTD.	Korea, Republic of
104-81-95716	MACQUARIE KOREA OPPORTUNITIES MANAGEMENT, LTD.	Korea, Republic of
110356968	MACQUARIE LAH PTY LIMITED	Australia
91110000717864826D	MACQUARIE LEASING (CHINA) CO LIMITED	China
02997799	Macquarie Leasing (UK) Limited	United Kingdom
05867292	Macquarie Leasing Limited	United Kingdom
002675032	MACQUARIE LEASING NSW PTY LTD	Australia
002674982	MACQUARIE LEASING PTY LTD	Australia
OC363068	Macquarie Lending & Investment Partners LLP	United Kingdom
003963773	MACQUARIE LIFE LIMITED	Australia
HRB 74075	Macquarie Management GmbH	Germany
23-2693133	Macquarie Management Holdings, Inc.	United States
099 813 028	MACQUARIE MASTER GEARED GROWTH FUND	Australia
090 079 413	MACQUARIE MASTER SMALL COMPANIES FUND	Australia
51142C1/GBL	MACQUARIE MAURITIUS INVESTMENTS LIMITED	Mauritius
133000987	MACQUARIE MDW INVESTMENTS PTY LTD	Australia
616 486 974	MACQUARIE MEREEENIE PTY LTD	Australia
639997-5	Macquarie Metals and Energy Capital (Canada) Ltd.	Canada
04920378	Macquarie Meters 2 (UK) Limited	United Kingdom
07361419	Macquarie Meters 3 (UK) Limited	United Kingdom
1344888	Macquarie Meters 4 Limited	Hong Kong
9794737	Macquarie Meters 5 (UK) Limited	United Kingdom
397181	MACQUARIE MEXICO INFRASTRUCTURE MANAGEMENT, S.A. DE C.V.	Mexico
477795	Macquarie Mexico Real Estate Management, S.A. de C.V.	Mexico
095180564	MACQUARIE MIDDLE EAST HOLDINGS PTY LIMITED	Australia
130225222	MACQUARIE MIRA FUND INVESTMENTS PTY LTD	Australia
120070788	MACQUARIE MORTGAGES CANADA HOLDINGS PTY LIMITED	Australia
057760175	MACQUARIE MORTGAGES PTY LIMITED	Australia
22-3840451	MACQUARIE MORTGAGES USA INC	United States
616 486 983	MACQUARIE MPVD PTY LTD	Australia
200404077D	MACQUARIE NE HOLDINGS (SINGAPORE) PTE. LIMITED (in liquidation wef 28/11/2016)	Singapore
6798497	Macquarie New World Gaming Canada Ltd.	Canada
N/A	Macquarie New World Gaming Partnership	Canada
334868	MACQUARIE NEW ZEALAND LIMITED (IN LIQUIDATION)	New Zealand
	Macquarie NG-KIH Holdings, LLC	United States
123851436	MACQUARIE NOOSA PTY LTD	Australia
3481018	Macquarie North America Ltd.	Canada
129 961 986	Macquarie NRAS Trust	Australia
	Macquarie Nufang US LLC	United States
008595711	MACQUARIE NZ HOLDINGS PTY LIMITED	Australia
129 590 576	MACQUARIE OFFSHORE SERVICES PTY LTD	Australia
FS200805155	Macquarie Offshore Services Pty Ltd - Philippine Branch	Philippines

10154157	Macquarie Offshore Wind Europe 1 Limited	United Kingdom
20-5426915	MACQUARIE OIL AND GAS HOLDINGS INC	United States
770975-7	Macquarie Oil Services Canada Ltd	Canada
OF2150	MACQUARIE ONE LIMITED	United Arab Emirates
	Macquarie One LLC	United States
002934705	MACQUARIE OPTIONS PTY. LIMITED	Australia
115251619	MACQUARIE PAYMENTS INFRASTRUCTURE HOLDINGS PTY LIMITED	Australia
09995266	Macquarie Physical Commodities UK Limited	United Kingdom
20-3690322	Macquarie Physical Commodities, LLC	United States
45-1622999	Macquarie Physical Metals (USA) Inc.	United States
27-1560871	Macquarie Poinsettia Inc.	United States
112561501	MACQUARIE PRINCIPAL PTY LIMITED	Australia
082038328	MACQUARIE PRISM PTY LIMITED	Australia
116782006	MACQUARIE PRIVATE CAPITAL MANAGEMENT LIMITED	Australia
	Macquarie Private Debt Asset Management, LLC	United States
590627	Macquarie Private Debt Europe Limited	Ireland
089987388	MACQUARIE PRIVATE PORTFOLIO MANAGEMENT LIMITED	Australia
601831467	Macquarie Professional Series Global Equity Fund	Australia
2292323	Macquarie Projects Limited	Hong Kong
064904169	MACQUARIE PROPERTY (OBU) PTY LIMITED	Australia
076560917	MACQUARIE PROPERTY FINANCE MANAGEMENT PTY LIMITED	Australia
142 083 092	MACQUARIE RADAR HOLDINGS PTY LIMITED	Australia
730170-7	Macquarie Rail Canada Limited	Canada
20-3609362	MACQUARIE RAIL INC.	United States
20-3609362	MACQUARIE RAIL MANAGEMENT LLC	United States
26-3872414	MACQUARIE REAL ESTATE ADVISORY SERVICES LLC	United States
82-2058238	Macquarie Real Estate Funds Management Inc.	United States
HE 291792	Macquarie Renaissance Corporate Finance Holdings Limited	Cyprus
616987949	MACQUARIE RENEWABLE ENERGY HOLDINGS PTY LIMITED	Australia
26-1386300	MACQUARIE RENEWABLE ENERGY INC	United States
	Macquarie Renewables Asset Trust	Australia
	Macquarie Renewables Project Trust	Australia
672846-4	Macquarie Resource Capital Canada Ltd.	Canada
07055620	Macquarie Restorations Limited	United Kingdom
998584	Macquarie Retail Management (Asia) Limited	Hong Kong
1273174	MACQUARIE RETAIL REAL ESTATE MANAGEMENT LIMITED	Hong Kong
	Macquarie Rolland Inc. (Merged 01/07/2017)	United States
535266	Macquarie Rotorcraft Leasing (Ireland) Limited	Ireland
46-3045888	Macquarie Rotorcraft Leasing, Inc.	United States
604949144	MACQUARIE SCT PTY LIMITED	Australia
002832126	MACQUARIE SECURITIES (AUSTRALIA) LIMITED	Australia
9131000066438035XT	MACQUARIE SECURITIES (AUSTRALIA) LIMITED SHANGHAI REPRESENTATIVE OFFICE	China
1748511	MACQUARIE SECURITIES (NZ) LIMITED	New Zealand
0105539119915	MACQUARIE SECURITIES (THAILAND) LIMITED	Thailand
728007-6	Macquarie Securities Financing Ltd (Canada)	Canada
104-81-99444	MACQUARIE SECURITIES KOREA LIMITED	Korea, Republic of
003435443	MACQUARIE SECURITIES MANAGEMENT PTY LIMITED	Australia
2006/023546/06	MACQUARIE SECURITIES SOUTH AFRICA LIMITED	South Africa
641342	MACQUARIE SECURITISATION (HONG KONG) LIMITED	Hong Kong
075289002	MACQUARIE SECURITISATION (OBU) PTY LIMITED	Australia
003297336	MACQUARIE SECURITISATION LIMITED	Australia
44	Macquarie Septa (Guernsey), LLP	Guernsey
LP016856	Macquarie Septa (UK) I, LP	United Kingdom
LP016857	Macquarie Septa (UK) II, LP	United Kingdom
	Macquarie Septa (US) I, LLC	United States
	Macquarie Septa Aero, LLC	United States
496224	MACQUARIE SERVICES (HONG KONG) LIMITED	Hong Kong
388231	MACQUARIE SERVICES (MEXICO), S.A. de C.V.	Mexico
27-3610899	Macquarie Services (USA) LLC	United States
608 027 667	MACQUARIE SERVICES PARTNERSHIP PTY LIMITED	Australia
11.988.470/001-21	Macquarie Servicos Agricolas Limitada	Brazil
45-4703789	Macquarie Sierra Investment Holdings Inc.	United States
EC#39329	MACQUARIE SPECIALISED ASSET MANAGEMENT (BERMUDA) LIMITED	Bermuda
075295608	MACQUARIE SPECIALISED ASSET MANAGEMENT 2 LIMITED	Australia
087382965	MACQUARIE SPECIALISED ASSET MANAGEMENT LIMITED	Australia
10325961	Macquarie Specialised Investment Solutions Limited	United Kingdom
125 574 389	MACQUARIE SPECIALIST INVESTMENTS LENDING LIMITED	Australia
46-2151809	Macquarie Storage Investments Inc.	United States
	Macquarie Strategic Funding Holdings Inc.	United States
086587635	MACQUARIE STRUCTURED AND SPECIALIST INVESTMENTS HOLDINGS PTY LIMITED	Australia
HRB 87430	Macquarie Structured Products (Europe) GmbH	Germany
2009/012427/10	Macquarie Structured Products (International) Limited (Registered as an external Company in South Africa)	South Africa
065747417	MACQUARIE STRUCTURED PRODUCTS (INTERNATIONAL) PTY LIMITED	Australia

489855	Macquarie Structured Securities (Europe) Public Limited Company	Ireland
B 214.195	Macquarie Super Core Infrastructure Fund SCSp	Luxembourg
008607038	MACQUARIE SWAN STREET PTY LIMITED	Australia
065309033	MACQUARIE SYNDICATION (NO.12) PTY LIMITED	Australia
080218846	MACQUARIE TECHNOLOGY INVESTMENTS PTY LIMITED	Australia
680639-2	Macquarie Technology Services (Canada) Ltd.	Canada
080472751	MACQUARIE TECHNOLOGY VENTURES PTY LTD	Australia
	Macquarie Texas Loan Holder LLC	United States
008606906	MACQUARIE THIRTY-THIRD AVIATION LEASING PTY. LIMITED	Australia
20-5913622	MACQUARIE TRADING SERVICES INC	United States
HRB 76979	Macquarie Treuermögen GmbH	Germany
2007/035961/07	Macquarie Trustees South Africa Proprietary Limited	South Africa
008607109	MACQUARIE TWENTIETH AVIATION LEASING PTY. LIMITED	Australia
02579363	Macquarie UK Holdings Limited	United Kingdom
05452920	Macquarie UK Passenger Leasing Limited	United Kingdom
46-1366111	Macquarie US Gas Supply LLC	United States
	Macquarie US MPIP GP LLC	United States
	Macquarie US MPIP LP LLC	United States
45-2856257	Macquarie US Trading LLC	United States
261723	MACQUARIE VEHICLES (NZ) LIMITED	New Zealand
2299526	Macquarie Ventures (Hong Kong) Limited	Hong Kong
HRB 99629	Macquarie Vermögenstreuhand GmbH	Germany
HRB 232580	Macquarie Verwaltungs GmbH	Germany
603 363 220	MACQUARIE WORSLEY HOLDINGS PTY LIMITED	Australia
213181	Macquarie Zhaopin Holdings Limited	Cayman Islands
46-2716036	Macquarie-PowerFin Solar, LLC	United States
619 573 643	MAFCA INVESTMENTS PTY LIMITED	Australia
B 215.119	MAIF 2 Luxembourg GP S.à r.l.	Luxembourg
LP17160	MAIF EU Feeder LP	United Kingdom
620122456	MAIT1 INVESTMENTS PTY LIMITED	Australia
66690	MALL Partners I, LDC	Cayman Islands
86503	MALL Partners II Limited	Cayman Islands
CR-93169	MALL Partners III Limited	Cayman Islands
	MAP HOLDING TRUST	Australia
MC-257951	MAP II GP Limited	Cayman Islands
509 298 634 RCS Paris	MASC (France) SARL	France
LL08078	MASL (Labuan) Limited	Malaysia
446196	MASL Ireland (11) Limited	Ireland
446206	MASL Ireland (13) Limited	Ireland
446207	MASL Ireland (14) Limited	Ireland
446191	MASL Ireland (22) Limited	Ireland
447474	MASL Ireland (25) Limited	Ireland
448204	MASL Ireland (27) Limited	Ireland
447980	MASL Ireland (28) Limited	Ireland
447981	MASL Ireland (29) Limited	Ireland
446204	MASL Ireland (3) Limited	Ireland
447982	MASL Ireland (30) Limited	Ireland
447983	MASL Ireland (31) Limited	Ireland
451456	MASL Ireland (34) Limited	Ireland
451173	MASL Ireland (35) Limited	Ireland
446203	MASL Ireland (4) Limited	Ireland
446202	MASL Ireland (5) Limited	Ireland
446201	MASL Ireland (6) Limited	Ireland
446200	MASL Ireland (7) Limited	Ireland
446199	MASL Ireland (8) Limited	Ireland
446198	MASL Ireland (9) Limited	Ireland
556734-5524	MASL Sweden (1) AB	Sweden
556741-2506	MASL Sweden (8) AB	Sweden
06386342	MASL UK (1) Limited	United Kingdom
Not registered	MAT 2 Sub-Trust	Australia
	MBL COVERED BOND TRUST	Australia
008607092	MBL REALTY INVESTMENT MANAGEMENT PTY. LIMITED	Australia
363941	MC Capital Group Unlimited Company (in voluntary liquidation)	Ireland
146 752 329	MC EDUCATION HOLDINGS PTY LTD	Australia
078223382	MCF LEASING PTY LIMITED	Australia
26-1386300	MCP Solar Assets Partners I LLC	United States
26-2282798	MCP Solar Assets Partners II LLC	United States
90-1003550	MD - PTH, LLC	United States
681-81-00638	M-DAON COMPANY LIMITED	Korea, Republic of
	Meadowlark Capital LLC	United States
	Meadowlark Depositor LLC	United States
	Meadowlark Insurance Company LLC	United States
	Medical Student Loan Trust	United States
04866246	MEIF (UK) Limited	United Kingdom
SL29421	MEIF 5 Executives LP	United Kingdom
61582	MEIF 5 Guernsey GP Limited	Guernsey

B 205.045	MEIF 5 Luxembourg GP S.à r.l.	Luxembourg
LP18084	MEIF 5 N1 LP	United Kingdom
132 468 734	MELRO HOLDCO PTY LIMITED	Australia
	MEP California Energy Holdings, LLC	United States
	MEP California Energy, LLC	United States
568712	Merino Aerospace Finance 35845 Limited	Ireland
BR018328	Merino Aerospace Finance 35845 Limited, UK Branch	United Kingdom
568713	Merino Aerospace Finance 36566 Limited	Ireland
BR018344	Merino Aerospace Finance 36566 Limited, UK Branch	United Kingdom
568710	Merino Aerospace Finance 36707 Limited	Ireland
568711	Merino Aerospace Finance 4257-1 Limited	Ireland
BR018329	Merino Aerospace Finance 4257-1 Limited, UK Branch	United Kingdom
570137	Merino Aerospace Finance 5482-1 Limited	Ireland
BR018325	Merino Aerospace Finance 5482-1 Limited, UK Branch	United Kingdom
471151	Merino Aerospace Finance 6218 Limited	Ireland
568706	Merino Aerospace Finance 6350 Limited	Ireland
BR018336	Merino Aerospace Finance 6350 Limited, UK Branch	United Kingdom
568714	Merino Aerospace Finance 6375 Limited	Ireland
BR018423	Merino Aerospace Finance 6375 Limited, UK Branch	United Kingdom
568707	Merino Aerospace Finance 6458 Limited	Ireland
BR018322	Merino Aerospace Finance 6458 Limited, UK Branch	United Kingdom
568708	Merino Aerospace Finance 6500 Limited	Ireland
BR018333	Merino Aerospace Finance 6500 Limited, UK Branch	United Kingdom
568709	Merino Aerospace Finance 6538 Limited	Ireland
BR018351	Merino Aerospace Finance 6538 Limited, UK Branch	United Kingdom
	Merino Air Leasing, Inc.	United States
61686	MGIDF Guernsey GP Limited	Guernsey
200708397H	MGJ HOLDINGS PTE. LIMITED	Singapore
20-8983572	MGOP Feeder I GP LLC	United States
356-88-00177	M-GREEN HOLDINGS LIMITED	Korea, Republic of
644-86-00667	M-HAMAN COMPANY LIMITED	Korea, Republic of
26-4389305	MIAC SERVICES INC.	United States
58972	MIDF UK1 GUERNSEY GP LIMITED	Guernsey
7	MIDF UK1 LLP	Guernsey
59027	MIDF UK1B GUERNSEY GP LIMITED	Guernsey
61687	MIDF UK2 Guernsey GP Limited	Guernsey
10140440	MIF Holdings Limited	United Kingdom
20-8723490	MIF US Investment Holdings LLC	United States
20-8879012	MIF US INVESTMENT PARTNERSHIP	United States
13-3789912	MIHI LLC	United States
38-3938360	MIP III (ECI) GP LLC	United States
	MIP III Tigerfish (Canada) GP LLC	United States
B 213.745	MIP IV Luxembourg GP S.à r.l.	Luxembourg
	MIRA Americas, Inc.	United States
123294	MIRA Core Gas Limited	Jersey
	MIRA Infrastructure Global Solution GP LLC	United States
62697	MIRA UK Gas Holdings GP Limited	Guernsey
62780	MIRA UK Gas Holdings Limited	Guernsey
LP017687	MIRA UK Gas Holdings LP	United Kingdom
0100-02-032951	MJL ACE LTD.	Japan
20-5336393	Moonstone Lien Investments, LLC	United States
10480217	Moorgate PL Holdings Limited	United Kingdom
8499211	MPF Nominees Limited	United Kingdom
451722	MPFI INVESTMENTS LIMITED (in members' voluntary liquidation)	Ireland
415-86-00453	M-PRUM HOLDINGS LIMITED	Korea, Republic of
MC-162571	MQ ABSOLUTE RETURN STRATEGIES - ASIA	Cayman Islands
061160558	MQ CAPITAL PTY LIMITED	Australia
600550	MQ PPP Investments Ireland GP Limited	Ireland
086438995	MQ SPECIALIST INVESTMENT MANAGEMENT LIMITED	Australia
U51909MH2012FTC226545	MQG Commodities (India) Private Limited	India
N.A.correspondence office only	MQG Commodities (India) Private Limited (Delhi Branch office)	India
491-81-00715	M-RENEW HOLDINGS LIMITED	Korea, Republic of
OGRN 1117746637348	MRIF LLC	Russian Federation
B 214.197	MSCIF Co-Invest SCSp	Luxembourg
B 214.067	MSCIF Luxembourg GP S.à r.l.	Luxembourg
124335333	MTF HOLDINGS PTY LIMITED	Australia
003337675	NANWAY NOMINEES PTY LIMITED	Australia
10266050	NASU Energy Storage Limited	United Kingdom
n/a	NDI NO.1 LLC	United States
90-0891597	New Jersey Boardwalk Lien Investments, LLC	United States
B132283	New World Gaming International S.a.r.l	Luxembourg
46-1504548	New York Crystal Swan, LLC	United States
	NewZoom Holdings LLC	United States
	NewZoom, LLC	United States
615853480	NLC PROJECT HOLDING COMPANY PTY LIMITED - IN DEREGISTRATION	Australia

BC0883591	NWG Canada Investments Ltd.	Canada
157723441	NZ MORTGAGES PTY LTD	Australia
3791037	NZ MORTGAGES PTY LTD (Branch Office)	New Zealand
CR-114570	O'Farrell Leasing (Holdings) Ltd.	Cayman Islands
27-4650575	OLF, LLC	United States
26-33383464	One Call Debt Help LLC	United States
131 233 719	OPEN BROADBAND AUSTRALIA PTY LTD	Australia
	OpenFiber Kentucky Company, LLC	United States
113519823	OT HOLDINGS PTY LIMITED	Australia
115771992	OUTPLAN PTY LIMITED	Australia
071982244	PACIFIC RIM OPERATIONS PTY LIMITED	Australia
26-1286651	PADUA MG HOLDINGS LLC	United States
10191100	Parachute Investments Limited	United Kingdom
66 531 917 920	PELICAN WAREHOUSE TRUST NO.1	Australia
	Permian Water Supply Company LLC	United States
752614982	Petro Tradelinks Inc.	United States
	Pipeline Rehabilitation No.4 Trust	Australia
608629509	PIQ1 PTY LTD	Australia
529690	Poseidon InvestCo GP Ireland Limited	Ireland
09.03.1.05.73897	PT MACQUARIE COMMODITIES INDONESIA	Indonesia
09.03.1.67.21972	PT MACQUARIE SEKURITAS INDONESIA	Indonesia
09.03.1.70.68374	PT MPM INDONESIA (In Liquidation wef 18/02/2016)	Indonesia
not registered	PUMA GLOBAL TRUST NO.6	Australia
064904212	PUMA MANAGEMENT PTY LIMITED	Australia
	PUMA MASTERFUND H-1	Australia
	PUMA MASTERFUND P-13	Australia
	PUMA MASTERFUND P-14	Australia
not registered	PUMA MASTERFUND P-15	Australia
	PUMA MASTERFUND P-16	Australia
	PUMA MASTERFUND P-17	Australia
	PUMA Masterfund P-19	Australia
	PUMA Masterfund S-10	Australia
	PUMA MASTERFUND S-11	Australia
	PUMA Masterfund S-12	Australia
	PUMA Masterfund S-13	Australia
	PUMA Masterfund S-14	Australia
	PUMA MASTERFUND S-6	Australia
	PUMA MASTERFUND S-8	Australia
	PUMA Masterfund S-9	Australia
	PUMA S4 (Group)	Australia
	PUMA SERIES 2014-1	Australia
	PUMA Series 2014-2	Australia
	PUMA Series 2014-3P	Australia
Not registered	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 2016-1	Australia
	PUMA Series 2017-1	Australia
	PUMA Series Trust 2013-1	Australia
	PUMA SUBFUND B-1	Australia
	PUMA Subfund B-2	Australia
	PUMA Sub-Fund B-3	Australia
	RC Holdings I LLC	United States
	RC Holdings II LLC	United States
215-87-09870	RE-CLEAN CO., LTD.	Korea, Republic of
26-5600465	RED HOLLOW WIND LLC	United States
26-4167476	Regal Capital Advisors, LLC	United States
26-4203808	Regal Capital Group, LLC	United States
not registered	REGIONAL MEDIA TRUST	Australia
150 449 684	RELOAD WIND FARM PTY LTD	Australia
	RELOAD WIND FARM TRUST	Australia
124947388	RESF NO. 1 PTY LTD	Australia
200921086K	RESOURCE MARINE PTE. LIMITED	Singapore
FC029978	Resource Marine Pte. Limited (UK Establishment)	United Kingdom
23-2828161	Retirement Financial Services, Inc.	United States
114 594 080	REVERSE MORTGAGE SERVICES PTY LTD	Australia
153718079	RISK ADVICE SPECIALISTS PTY LTD (IN DEREGISTRATION)	Australia
10379378	Ropemaker RB Holdings Limited	United Kingdom
201420398Z	SELENE INVESTMENTS SINGAPORE PTE. LTD.	Singapore
65994086	Septentrio 1 B.V.	Netherlands
65994116	Septentrio 2 B.V.	Netherlands
65994183	Septentrio 3 B.V.	Netherlands
65993896	Septentrio 4 B.V.	Netherlands
20-5913622	SHELBY ENERGY HOLDINGS, LLC	United States

464139	Shichi Limited (in voluntary liquidation)	Ireland
2008/022345/07	Shieldco Securities S1 Proprietary Limited	South Africa
	SMART ABS Series 2012-2US Trust	Australia
not registered	SMART ABS Series 2012-4US Trust	Australia
unlisted	SMART ABS Series 2013-1US Trust	Australia
	SMART ABS Series 2013-3 Trust	Australia
	SMART ABS Series 2013-4PP Trust	Australia
	SMART ABS Series 2014-1 US Trust	Australia
	SMART ABS Series 2014-2E TRUST	Australia
	SMART ABS Series 2014-3PP Trust	Australia
	SMART ABS Series 2014-4 Trust	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 ANZ WAREHOUSE Trust	Australia
	SMART J WAREHOUSE TRUST	Australia
	SMART O Warehouse Trust	Australia
	SMART S Warehouse Trust	Australia
	SMART U Warehouse Trust	Australia
80-0852389	South Carolina Sandy Tyger Investments, LLC	United States
	Sparks Battery Holdings 2, LLC	United States
	Sparks Battery Holdings, LLC	United States
	Specialty Finance Holdings, Inc.	United States
	Sterling TC Holdings LLC	United States
	Sterling TC Property Owner LLC	United States
34298324	Stichting Security Trustee E-MAC DE 2009-I	Netherlands
	Summerset Holdings LLC	United States
	Summerset Property Owner LLC	United States
MC189033	SYNTHETIC ASSET FUNDING ENTITY 2 LIMITED	Cayman Islands
	TA Trust	Australia
26-1233254	TAURUS AEROSPACE GROUP INC.	United States
20-5474013	Tax Ease CA, LLC	United States
37-1750174	Tax Ease Company LLC	United States
20-2937172	Tax Ease Employee Services Company LLC	United States
75-3130882	Tax Ease Financial Services, LP	United States
41-2228674	Tax Ease FL REO, LLC	United States
	Tax Ease Funding 2016-1 REO, LLC	United States
	Tax Ease Funding 2016-1, LLC	United States
75-3130887	Tax Ease Funding GP LLC	United States
90-0909796	Tax Ease Funding Two, LLC	United States
75-3130885	Tax Ease Funding, LLC	United States
20-2937047	Tax Ease Holdings LLC	United States
20-2937080	Tax Ease Lien Investments 1 LLC	United States
26-4377481	Tax Ease Lien Servicing LLC	United States
46-5586117	Tax Ease NV LLC	United States
20-2937103	Tax Ease Ohio, LLC	United States
42-1664041	Tax Ease PA, LLC	United States
	Tax Ease REO I, LLC	United States
	Tax Ease REO II, LLC	United States
113508160	TELBANE 2 PTY LIMITED	Australia
070142951	TELBANE PTY LTD	Australia
OC315196	The Bluebell Transportation LLP	United Kingdom
OC315171	The Goonzaran LLP	United Kingdom
IT1935/08	THE MACQUARIE TOPI40 INVESTMENT TRUST	South Africa
IT1872/2007	THE MF TRUST	South Africa
80-0939458	TN - PTH, LLC	United States
	TRAMS ABS Series 2015-1	Australia
	TRAMS ABS Series 2015-2W	Australia
2012853459	Tristone Capital Global Inc.	Canada
208568022	Tristone Capital Inc.	Canada
1782120	Tristone Capital SA (Argentine Branch)	Argentina
2012712838	Tristone Capital SA Ltd	Canada
09648750	UK NPD Investments GP Limited	United Kingdom
10636785	UK Platform GP Limited	United Kingdom
10637715	UK Platform Partner Limited	United Kingdom
09316859	UK PPP Investments GP Limited	United Kingdom
085359833	UPL (SA) PTY LIMITED	Australia
055500902	UPMILL NOMINEES PTY LIMITED (IN DEREGISTRATION)	Australia
081119495	URBAN PACIFIC PTY LIMITED	Australia
03705740	Utility Metering Services Limited	United Kingdom

107-87-51612	VALUE LOAN MORTGAGE LLC	Korea, Republic of
	Watt Battery Holdings, LLC	United States
WK-166995	West Portal Leasing Limited	Cayman Islands
	Willow Depositor LLC	United States
20-2937224	Winslow Lien Investments, LLC	United States
054813080	WOODROSS NOMINEES PTY. LIMITED	Australia
0100-03-024202	YAMATO CHO SOYO FURYOKU HATSUDEN G.K.	Japan
127338783	YENDON WINDFARM PTY LTD	Australia
1449995	Yorkton Capital Partners II Inc.	Canada
1430727	Yorkton Capital Partners Inc.	Canada

ANNEXURE 'B'

This is the annexure marked 'B' of 9 page(s) referred to in the Notice of change of interests of substantial holder.

Dennis Leong
Company Secretary, Macquarie Group Limited
11 July 2017

Consideration

Date of change	Person whose relevant interest changed	Nature of change	Consideration	Number of securities affected	Class	Person's votes affected
05-Jul-17	MBL	On Market Sale	AUD 5.56	-100	FPO	100
05-Jul-17	MBL	On Market Sale	AUD 5.59	-2,460	FPO	2,460
05-Jul-17	MBL	On Market Sale	AUD 5.58	-2,011	FPO	2,011
05-Jul-17	MBL	On Market Sale	AUD 5.61	-984	FPO	984
05-Jul-17	MBL	On Market Sale	AUD 5.59	-36,620	FPO	36,620
05-Jul-17	MBL	On Market Sale	AUD 5.60	-4,400	FPO	4,400
05-Jul-17	MBL	On Market Sale	AUD 5.59	-2,028	FPO	2,028
05-Jul-17	MBL	On Market Sale	AUD 5.61	-1,600	FPO	1,600
05-Jul-17	MBL	On Market Sale	AUD 5.60	-168	FPO	168
05-Jul-17	MBL	On Market Sale	AUD 5.59	-1,232	FPO	1,232
05-Jul-17	MBL	On Market Sale	AUD 5.60	-544	FPO	544
05-Jul-17	MBL	On Market Sale	AUD 5.59	-2,888	FPO	2,888
05-Jul-17	MBL	On Market Sale	AUD 5.58	-200	FPO	200
05-Jul-17	MBL	On Market Sale	AUD 5.61	-1,400	FPO	1,400
05-Jul-17	MBL	On Market Sale	AUD 5.58	-5,864	FPO	5,864
05-Jul-17	MBL	On Market Sale	AUD 5.57	-4,641	FPO	4,641
05-Jul-17	MBL	On Market Sale	AUD 5.61	-299	FPO	299
05-Jul-17	MBL	On Market Sale	AUD 5.57	-543	FPO	543
05-Jul-17	MBL	On Market Sale	AUD 5.57	-1,300	FPO	1,300
5-Jul-17	MCHPL	off market purchase	AUD 5.887	8,941,792	FPO	8,941,792
05-Jul-17	MIMAL	On market purchase	AUD 5.59	8,128	FPO	8,128
05-Jul-17	MPPM	On market sale	AUD 5.56	-333	FPO	333
05-Jul-17	MPPM	On market purchase	AUD 5.58	226	FPO	226
05-Jul-17	MPPM	On market purchase	AUD 5.58	197	FPO	197
04-Jul-17	MBL	On Market Purchase	AUD 5.53	213	FPO	213
04-Jul-17	MBL	On Market Purchase	AUD 5.52	5,609	FPO	5,609
04-Jul-17	MBL	On Market Purchase	AUD 5.54	1,539	FPO	1,539
04-Jul-17	MBL	On Market Purchase	AUD 5.53	1,489	FPO	1,489
04-Jul-17	MBL	On Market Purchase	AUD 5.54	4,601	FPO	4,601
04-Jul-17	MBL	On Market Purchase	AUD 5.56	500	FPO	500
04-Jul-17	MBL	On Market Purchase	AUD 5.56	1,400	FPO	1,400
04-Jul-17	MBL	On Market Purchase	AUD 5.54	21	FPO	21
04-Jul-17	MBL	On Market Purchase	AUD 5.52	3,151	FPO	3,151
04-Jul-17	MBL	On Market Purchase	AUD 5.54	49,455	FPO	49,455
04-Jul-17	MBL	On Market Purchase	AUD 5.54	922	FPO	922
04-Jul-17	MBL	On Market Purchase	AUD 5.54	1,000	FPO	1,000
04-Jul-17	MBL	On Market Purchase	AUD 5.62	27,392	FPO	27,392
04-Jul-17	MBL	On Market Purchase	AUD 5.55	3,509	FPO	3,509
04-Jul-17	MBL	On Market Purchase	AUD 5.53	800	FPO	800
04-Jul-17	MBL	On Market Purchase	AUD 5.53	402	FPO	402
04-Jul-17	MBL	On Market Purchase	AUD 5.54	2,334	FPO	2,334
04-Jul-17	MIMAL	On market purchase	AUD 5.61	1,462	FPO	1,462
04-Jul-17	MIMAL	On market purchase	AUD 5.62	74,576	FPO	74,576
04-Jul-17	MIMAL	On market purchase	AUD 5.62	39,358	FPO	39,358
04-Jul-17	MPPM	On market sale	AUD 5.53	-34	FPO	34
04-Jul-17	MPPM	On market sale	AUD 5.53	-68	FPO	68
04-Jul-17	MPPM	On market sale	AUD 5.53	-76	FPO	76
04-Jul-17	MPPM	On market sale	AUD 5.53	-27	FPO	27
04-Jul-17	MPPM	On market purchase	AUD 5.53	44	FPO	44
04-Jul-17	MPPM	On market purchase	AUD 5.53	178	FPO	178
04-Jul-17	MPPM	On market sale	AUD 5.53	-58	FPO	58
04-Jul-17	MPPM	On market sale	AUD 5.53	-47	FPO	47
04-Jul-17	MPPM	On market sale	AUD 5.53	-59	FPO	59
04-Jul-17	MPPM	On market sale	AUD 5.53	-191	FPO	191
04-Jul-17	MPPM	On market sale	AUD 5.53	-365	FPO	365
04-Jul-17	MPPM	On market sale	AUD 5.53	-237	FPO	237
04-Jul-17	MPPM	Transfer out - client account	AUD 0.00	-2,903	FPO	2,903
04-Jul-17	MPPM	On market sale	AUD 5.53	-44	FPO	44
03-Jul-17	MBL	On Market Purchase	AUD 5.58	18	FPO	18
03-Jul-17	MBL	On Market Sale	AUD 5.57	-1,440	FPO	1,440

Date of change	Person whose relevant interest changed	Nature of change	Consideration	Number of securities affected	Class	Person's votes affected
03-Jul-17	MBL	On Market Purchase	AUD 5.53	5,835	FPO	5,835
03-Jul-17	MBL	On Market Purchase	AUD 5.58	739	FPO	739
03-Jul-17	MBL	On Market Purchase	AUD 5.54	5,836	FPO	5,836
03-Jul-17	MBL	On Market Purchase	AUD 5.58	676	FPO	676
03-Jul-17	MBL	On Market Purchase	AUD 5.53	1,883	FPO	1,883
03-Jul-17	MBL	On Market Sale	AUD 5.58	-738	FPO	738
03-Jul-17	MBL	On Market Purchase	AUD 5.53	1,106	FPO	1,106
03-Jul-17	MBL	On Market Sale	AUD 5.58	-397	FPO	397
03-Jul-17	MBL	On Market Sale	AUD 5.53	-1,591	FPO	1,591
03-Jul-17	MBL	On Market Sale	AUD 5.60	-8,324	FPO	8,324
03-Jul-17	MBL	On Market Sale	AUD 5.53	-4,150	FPO	4,150
03-Jul-17	MBL	On Market Purchase	AUD 5.59	100	FPO	100
03-Jul-17	MBL	On Market Sale	AUD 5.57	-3,196	FPO	3,196
03-Jul-17	MIMAL	On market sale	AUD 5.57	-610	FPO	610
03-Jul-17	MIMAL	On market sale	AUD 5.58	-1,322	FPO	1,322
03-Jul-17	MBL	Receive Return	AUD 5.61	-609	FPO	609
03-Jul-17	MPPM	On market sale	AUD 5.59	-250	FPO	250
30-Jun-17	MBL	On Market Sale	AUD 5.63	-1,968	FPO	1,968
30-Jun-17	MBL	On Market Purchase	AUD 5.65	6,005	FPO	6,005
30-Jun-17	MBL	On Market Sale	AUD 5.62	-1,970	FPO	1,970
30-Jun-17	MBL	On Market Sale	AUD 5.61	-4,078	FPO	4,078
30-Jun-17	MBL	On Market Purchase	AUD 5.61	2,039	FPO	2,039
30-Jun-17	MBL	On Market Purchase	AUD 5.61	231	FPO	231
30-Jun-17	MBL	On Market Purchase	AUD 5.62	3,369	FPO	3,369
30-Jun-17	MBL	On Market Purchase	AUD 5.70	947	FPO	947
30-Jun-17	MBL	On Market Sale	AUD 5.67	-6,000	FPO	6,000
30-Jun-17	MBL	On Market Sale	AUD 5.67	-5,611	FPO	5,611
30-Jun-17	MBL	On Market Purchase	AUD 5.61	1,605	FPO	1,605
30-Jun-17	MBL	On Market Purchase	AUD 5.60	7,400	FPO	7,400
30-Jun-17	MBL	On Market Purchase	AUD 5.67	3,021	FPO	3,021
30-Jun-17	MBL	On Market Purchase	AUD 5.67	1,400	FPO	1,400
30-Jun-17	MBL	On Market Purchase	AUD 5.60	2,276	FPO	2,276
30-Jun-17	MBL	On Market Sale	AUD 5.65	-2,462	FPO	2,462
30-Jun-17	MBL	On Market Sale	AUD 5.66	-12,593	FPO	12,593
30-Jun-17	MBL	On Market Purchase	AUD 5.67	5,224	FPO	5,224
30-Jun-17	MBL	On Market Purchase	AUD 5.61	852	FPO	852
30-Jun-17	MBL	On Market Sale	AUD 5.61	-10,706	FPO	10,706
30-Jun-17	MBL	On Market Purchase	AUD 5.63	191	FPO	191
30-Jun-17	MBL	On Market Purchase	AUD 5.62	9,100	FPO	9,100
30-Jun-17	MBL	On Market Sale	AUD 5.61	-44,597	FPO	44,597
30-Jun-17	MBL	On Market Sale	AUD 5.67	-5,602	FPO	5,602
30-Jun-17	MBL	On Market Sale	AUD 5.62	-1,231	FPO	1,231
30-Jun-17	MIMAL	On market sale	AUD 5.61	-1,036	FPO	1,036
30-Jun-17	MPPM	On market purchase	AUD 5.64	45,000	FPO	45,000
30-Jun-17	MPPM	On market purchase	AUD 5.68	203	FPO	203
30-Jun-17	MIMAL	On market purchase	AUD 5.62	712	FPO	712
30-Jun-17	MIMAL	On market sale	AUD 5.62	-640	FPO	640
30-Jun-17	MPPM	On market purchase	AUD 5.68	362	FPO	362
30-Jun-17	MIMAL	On market purchase	AUD 5.62	709	FPO	709
29-Jun-17	MBL	On Market Purchase	AUD 5.73	2,135	FPO	2,135
29-Jun-17	MBL	On Market Purchase	AUD 5.74	1,639	FPO	1,639
29-Jun-17	MBL	On Market Purchase	AUD 5.76	3,824	FPO	3,824
29-Jun-17	MBL	On Market Purchase	AUD 5.77	2,329	FPO	2,329
29-Jun-17	MBL	On Market Purchase	AUD 5.73	1,394	FPO	1,394
29-Jun-17	MBL	On Market Purchase	AUD 5.73	994	FPO	994
29-Jun-17	MBL	On Market Purchase	AUD 5.77	3,976	FPO	3,976
29-Jun-17	MBL	On Market Purchase	AUD 5.73	697	FPO	697
29-Jun-17	MBL	On Market Purchase	AUD 5.73	942	FPO	942
29-Jun-17	MBL	On Market Purchase	AUD 5.79	2,332	FPO	2,332
29-Jun-17	MBL	On Market Purchase	AUD 5.75	10,135	FPO	10,135
29-Jun-17	MBL	On Market Purchase	AUD 5.77	4,526	FPO	4,526
29-Jun-17	MIMAL	On market purchase	AUD 5.75	15,459	FPO	15,459
29-Jun-17	MIMAL	Transfer out - client account	AUD 0.00	-1,000	FPO	1,000
29-Jun-17	MPPM	On market purchase	AUD 5.74	661	FPO	661
29-Jun-17	MPPM	On market sale	AUD 5.73	-167	FPO	167
29-Jun-17	MIMAL	Transfer in - client account	AUD 0.00	1,000	FPO	1,000
29-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-7,615	FPO	7,615
29-Jun-17	MIMAL	On market purchase	AUD 5.73	1,053	FPO	1,053
28-Jun-17	MBL	On Market Purchase	AUD 5.81	350	FPO	350
28-Jun-17	MBL	On Market Purchase	AUD 5.81	645	FPO	645
28-Jun-17	MBL	On Market Purchase	AUD 5.81	498	FPO	498
28-Jun-17	MBL	On Market Purchase	AUD 5.81	1,635	FPO	1,635
28-Jun-17	MBL	On Market Sale	AUD 5.80	-5,433	FPO	5,433
28-Jun-17	MBL	On Market Purchase	AUD 5.90	17,325	FPO	17,325

Date of change	Person whose relevant interest changed	Nature of change	Consideration	Number of securities affected	Class	Person's votes affected
28-Jun-17	MBL	On Market Purchase	AUD 5.83	1,334	FPO	1,334
28-Jun-17	MBL	On Market Purchase	AUD 5.80	4,091	FPO	4,091
28-Jun-17	MBL	On Market Purchase	AUD 5.79	25,319	FPO	25,319
28-Jun-17	MBL	On Market Sale	AUD 5.79	-1,646	FPO	1,646
28-Jun-17	MBL	On Market Purchase	AUD 5.80	1,692	FPO	1,692
28-Jun-17	MBL	On Market Purchase	AUD 5.80	1,646	FPO	1,646
28-Jun-17	MPPM	On market sale	AUD 5.78	-64	FPO	64
28-Jun-17	MIMAL	On market purchase	AUD 5.82	3,999	FPO	3,999
28-Jun-17	MPPM	On market purchase	AUD 5.82	26,393	FPO	26,393
27-Jun-17	MBL	On Market Sale	AUD 5.93	-597	FPO	597
27-Jun-17	MBL	On Market Sale	AUD 5.93	-4,379	FPO	4,379
27-Jun-17	MBL	On Market Sale	AUD 5.90	-6,059	FPO	6,059
27-Jun-17	MBL	On Market Sale	AUD 5.93	-847	FPO	847
27-Jun-17	MBL	On Market Sale	AUD 5.93	-2,573	FPO	2,573
27-Jun-17	MBL	On Market Sale	AUD 5.92	-446	FPO	446
27-Jun-17	MBL	On Market Sale	AUD 5.92	-7,291	FPO	7,291
27-Jun-17	MIMAL	Transfer in - client account	AUD 0.00	280	FPO	280
27-Jun-17	MPPM	Transfer in - client account	AUD 0.00	4,909	FPO	4,909
27-Jun-17	MPPM	Transfer in - client account	AUD 0.00	981	FPO	981
27-Jun-17	MIMAL	Transfer out - client account	AUD 0.00	-5,130	FPO	5,130
27-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-12,767	FPO	12,767
27-Jun-17	MPPM	On market purchase	AUD 5.93	772	FPO	772
27-Jun-17	MPPM	On market purchase	AUD 5.93	198	FPO	198
27-Jun-17	MPPM	On market purchase	AUD 5.93	124	FPO	124
27-Jun-17	MIMAL	Transfer in - client account	AUD 0.00	5,130	FPO	5,130
27-Jun-17	MIMAL	Transfer out - client account	AUD 0.00	-280	FPO	280
26-Jun-17	MBL	On Market Purchase	AUD 6.01	3,681	FPO	3,681
26-Jun-17	MBL	On Market Purchase	AUD 5.92	1,318	FPO	1,318
26-Jun-17	MBL	On Market Purchase	AUD 5.92	1,239	FPO	1,239
26-Jun-17	MBL	On Market Purchase	AUD 5.97	2,614	FPO	2,614
26-Jun-17	MBL	On Market Purchase	AUD 5.96	1,517	FPO	1,517
26-Jun-17	MBL	On Market Purchase	AUD 5.95	849	FPO	849
26-Jun-17	MBL	On Market Purchase	AUD 5.92	1,046	FPO	1,046
26-Jun-17	MBL	On Market Purchase	AUD 5.92	1,726	FPO	1,726
26-Jun-17	MBL	On Market Purchase	AUD 5.93	28,537	FPO	28,537
26-Jun-17	MBL	On Market Purchase	AUD 5.91	695	FPO	695
26-Jun-17	MBL	On Market Purchase	AUD 6.01	1,941	FPO	1,941
26-Jun-17	MBL	On Market Purchase	AUD 5.91	1,233	FPO	1,233
26-Jun-17	MBL	On Market Purchase	AUD 6.00	4,048	FPO	4,048
26-Jun-17	MIMAL	On market sale	AUD 5.93	-1,568	FPO	1,568
26-Jun-17	MIMAL	On market sale	AUD 5.93	-216	FPO	216
26-Jun-17	MPPM	On market sale	AUD 5.97	-242	FPO	242
26-Jun-17	MPPM	On market purchase	AUD 5.98	530	FPO	530
26-Jun-17	MPPM	On market sale	AUD 5.97	-538	FPO	538
26-Jun-17	MPPM	On market sale	AUD 5.97	-107	FPO	107
23-Jun-17	MBL	On Market Purchase	AUD 6.02	6,277	FPO	6,277
23-Jun-17	MBL	On Market Purchase	AUD 6.00	1,492	FPO	1,492
23-Jun-17	MBL	On Market Purchase	AUD 5.99	19,912	FPO	19,912
23-Jun-17	MBL	On Market Purchase	AUD 5.99	347	FPO	347
23-Jun-17	MBL	On Market Purchase	AUD 6.00	4,029	FPO	4,029
23-Jun-17	MBL	On Market Purchase	AUD 6.01	1,644	FPO	1,644
23-Jun-17	MBL	On Market Purchase	AUD 6.00	1,344	FPO	1,344
23-Jun-17	MBL	On Market Purchase	AUD 6.01	1,790	FPO	1,790
23-Jun-17	MPPM	On market purchase	AUD 6.01	168	FPO	168
23-Jun-17	MPPM	On market purchase	AUD 6.01	825	FPO	825
23-Jun-17	MPPM	On market purchase	AUD 6.01	416	FPO	416
23-Jun-17	MPPM	On market sale	AUD 6.00	-2,496	FPO	2,496
23-Jun-17	MPPM	On market purchase	AUD 6.01	122	FPO	122
23-Jun-17	MBL	Borrow delivery	AUD 6.31	53,000	FPO	53,000
22-Jun-17	MBL	On Market Sale	AUD 5.98	-738	FPO	738
22-Jun-17	MBL	On Market Purchase	AUD 6.01	14,802	FPO	14,802
22-Jun-17	MBL	On Market Purchase	AUD 6.02	547	FPO	547
22-Jun-17	MBL	On Market Purchase	AUD 6.01	1,990	FPO	1,990
22-Jun-17	MBL	On Market Sale	AUD 5.98	-1,782	FPO	1,782
22-Jun-17	MBL	On Market Purchase	AUD 6.04	3,363	FPO	3,363
22-Jun-17	MBL	On Market Purchase	AUD 6.00	14,927	FPO	14,927
22-Jun-17	MBL	On Market Sale	AUD 5.97	-994	FPO	994
22-Jun-17	MIMAL	On market sale	AUD 6.01	-90,776	FPO	90,776
22-Jun-17	MPPM	Transfer in - client account	AUD 0.00	153	FPO	153
22-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-153	FPO	153
22-Jun-17	MPPM	On market sale	AUD 5.97	-375	FPO	375
22-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-460	FPO	460
22-Jun-17	MPPM	Transfer in - client account	AUD 0.00	460	FPO	460
22-Jun-17	MPPM	On market purchase	AUD 5.99	35,000	FPO	35,000

Date of change	Person whose relevant interest changed	Nature of change	Consideration	Number of securities affected	Class	Person's votes affected
22-Jun-17	MPPM	Transfer in - client account	AUD 0.00	426	FPO	426
22-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-426	FPO	426
22-Jun-17	MPPM	On market purchase	AUD 5.98	123	FPO	123
22-Jun-17	MPPM	On market purchase	AUD 5.98	301	FPO	301
21-Jun-17	MBL	On Market Sale	AUD 6.00	-2,186	FPO	2,186
21-Jun-17	MBL	On Market Sale	AUD 6.01	-1,779	FPO	1,779
21-Jun-17	MBL	On Market Purchase	AUD 5.87	1,779	FPO	1,779
21-Jun-17	MBL	On Market Sale	AUD 5.91	-3,278	FPO	3,278
21-Jun-17	MBL	On Market Sale	AUD 5.88	-12,719	FPO	12,719
21-Jun-17	MBL	On Market Sale	AUD 6.00	-646	FPO	646
21-Jun-17	MBL	On Market Purchase	AUD 6.01	1,253	FPO	1,253
21-Jun-17	MBL	On Market Sale	AUD 6.00	-1,543	FPO	1,543
21-Jun-17	MBL	On Market Sale	AUD 5.91	-4,433	FPO	4,433
21-Jun-17	MBL	On Market Sale	AUD 6.02	-1,197	FPO	1,197
21-Jun-17	MBL	On Market Sale	AUD 5.93	-6,216	FPO	6,216
21-Jun-17	MBL	On Market Sale	AUD 6.01	-348	FPO	348
21-Jun-17	MBL	On Market Sale	AUD 6.00	-498	FPO	498
21-Jun-17	MBL	On Market Sale	AUD 5.98	-897	FPO	897
21-Jun-17	MBL	On Market Sale	AUD 5.96	-1,891	FPO	1,891
21-Jun-17	MBL	On Market Sale	AUD 5.98	-1,840	FPO	1,840
21-Jun-17	MBL	On Market Sale	AUD 5.98	-1,745	FPO	1,745
21-Jun-17	MPPM	On market purchase	AUD 6.01	436	FPO	436
21-Jun-17	MPPM	On market sale	AUD 6.00	-472	FPO	472
21-Jun-17	MPPM	On market sale	AUD 5.99	-1,739	FPO	1,739
21-Jun-17	MIMAL	On market purchase	AUD 5.93	3,372	FPO	3,372
20-Jun-17	MBL	On Market Sale	AUD 6.07	-3,975	FPO	3,975
20-Jun-17	MBL	On Market Sale	AUD 5.99	-264	FPO	264
20-Jun-17	MBL	On Market Sale	AUD 6.03	-5,458	FPO	5,458
20-Jun-17	MBL	On Market Sale	AUD 6.00	-1,044	FPO	1,044
20-Jun-17	MBL	On Market Sale	AUD 6.06	-2,543	FPO	2,543
20-Jun-17	MPPM	On market sale	AUD 6.06	-72	FPO	72
20-Jun-17	MPPM	On market sale	AUD 6.06	-26	FPO	26
20-Jun-17	MPPM	On market sale	AUD 6.06	-134	FPO	134
20-Jun-17	MPPM	On market sale	AUD 6.06	-40	FPO	40
20-Jun-17	MPPM	On market sale	AUD 6.06	-47	FPO	47
20-Jun-17	MPPM	On market sale	AUD 6.06	-61	FPO	61
20-Jun-17	MPPM	On market sale	AUD 6.06	-60	FPO	60
20-Jun-17	MPPM	On market sale	AUD 6.06	-34	FPO	34
20-Jun-17	MPPM	On market sale	AUD 6.06	-37	FPO	37
20-Jun-17	MPPM	On market sale	AUD 6.06	-130	FPO	130
20-Jun-17	MPPM	On market sale	AUD 6.06	-43	FPO	43
20-Jun-17	MPPM	On market sale	AUD 6.06	-41	FPO	41
20-Jun-17	MIMAL	On market sale	AUD 6.07	-350	FPO	350
20-Jun-17	MPPM	On market sale	AUD 6.06	-134	FPO	134
20-Jun-17	MPPM	On market sale	AUD 6.06	-41	FPO	41
20-Jun-17	MPPM	On market sale	AUD 6.06	-230	FPO	230
20-Jun-17	MPPM	On market sale	AUD 6.06	-49	FPO	49
20-Jun-17	MPPM	On market sale	AUD 6.06	-54	FPO	54
20-Jun-17	MPPM	On market sale	AUD 6.06	-69	FPO	69
20-Jun-17	MPPM	On market sale	AUD 6.06	-38	FPO	38
20-Jun-17	MPPM	On market sale	AUD 6.06	-20	FPO	20
20-Jun-17	MPPM	On market sale	AUD 6.06	-55	FPO	55
20-Jun-17	MIMAL	Transfer out - client account	AUD 0.00	-3,230	FPO	3,230
20-Jun-17	MPPM	On market sale	AUD 6.06	-210	FPO	210
20-Jun-17	MPPM	On market sale	AUD 6.06	-1,364	FPO	1,364
20-Jun-17	MPPM	On market sale	AUD 6.06	-39	FPO	39
20-Jun-17	MPPM	On market sale	AUD 6.06	-52	FPO	52
20-Jun-17	MPPM	On market sale	AUD 6.06	-151	FPO	151
20-Jun-17	MPPM	On market sale	AUD 6.06	-35	FPO	35
20-Jun-17	MPPM	On market sale	AUD 6.06	-42	FPO	42
20-Jun-17	MPPM	On market sale	AUD 6.06	-36	FPO	36
20-Jun-17	MPPM	On market sale	AUD 6.06	-101	FPO	101
20-Jun-17	MPPM	On market sale	AUD 6.06	-120	FPO	120
20-Jun-17	MPPM	On market sale	AUD 6.06	-81	FPO	81
20-Jun-17	MPPM	On market sale	AUD 6.06	-921	FPO	921
20-Jun-17	MPPM	On market sale	AUD 6.06	-144	FPO	144
20-Jun-17	MPPM	On market sale	AUD 6.06	-201	FPO	201
20-Jun-17	MPPM	On market sale	AUD 6.06	-110	FPO	110
20-Jun-17	MPPM	On market sale	AUD 6.06	-285	FPO	285
20-Jun-17	MPPM	On market sale	AUD 6.06	-999	FPO	999
20-Jun-17	MPPM	On market sale	AUD 6.06	-73	FPO	73
20-Jun-17	MPPM	On market sale	AUD 6.06	-163	FPO	163
20-Jun-17	MPPM	On market sale	AUD 6.06	-548	FPO	548
20-Jun-17	MPPM	On market sale	AUD 6.06	-62	FPO	62

Date of change	Person whose relevant interest changed	Nature of change	Consideration	Number of securities affected	Class	Person's votes affected
20-Jun-17	MIMAL	Transfer in - client account	AUD 0.00	3,230	FPO	3,230
20-Jun-17	MPPM	On market sale	AUD 6.06	-299	FPO	299
20-Jun-17	MPPM	On market sale	AUD 6.06	-226	FPO	226
20-Jun-17	MPPM	On market sale	AUD 6.06	-829	FPO	829
20-Jun-17	MPPM	On market sale	AUD 6.06	-32	FPO	32
19-Jun-17	MBL	On Market Sale	AUD 6.07	-18,454	FPO	18,454
19-Jun-17	MBL	On Market Purchase	AUD 5.92	1,710	FPO	1,710
19-Jun-17	MBL	On Market Purchase	AUD 6.01	498	FPO	498
19-Jun-17	MBL	On Market Purchase	AUD 5.97	4,612	FPO	4,612
19-Jun-17	MBL	On Market Purchase	AUD 6.00	4,654	FPO	4,654
19-Jun-17	MBL	On Market Purchase	AUD 6.01	381	FPO	381
19-Jun-17	MBL	On Market Purchase	AUD 5.98	1,096	FPO	1,096
19-Jun-17	MBL	On Market Purchase	AUD 6.01	704	FPO	704
19-Jun-17	MBL	On Market Purchase	AUD 5.98	2,240	FPO	2,240
19-Jun-17	MBL	On Market Sale	AUD 6.07	-1,710	FPO	1,710
19-Jun-17	MBL	On Market Purchase	AUD 6.01	2,183	FPO	2,183
19-Jun-17	MBL	On Market Purchase	AUD 6.01	1,235	FPO	1,235
19-Jun-17	MLL	On market sale	AUD 6.07	-71	FPO	71
19-Jun-17	MIMAL	On market sale	AUD 6.07	-4,958	FPO	4,958
19-Jun-17	MBL	Receive Return	AUD 5.96	-28	FPO	28
19-Jun-17	MPPM	On market purchase	AUD 6.01	491	FPO	491
19-Jun-17	MIMAL	On market sale	AUD 6.00	-594	FPO	594
19-Jun-17	MPPM	On market purchase	AUD 6.01	194	FPO	194
19-Jun-17	MPPM	On market sale	AUD 5.99	-551	FPO	551
16-Jun-17	MBL	On Market Sale	AUD 5.95	-65	FPO	65
16-Jun-17	MBL	On Market Sale	AUD 5.95	-12	FPO	12
16-Jun-17	MBL	On Market Purchase	AUD 5.96	9,306	FPO	9,306
16-Jun-17	MBL	On Market Sale	AUD 5.96	-17	FPO	17
16-Jun-17	MBL	On Market Purchase	AUD 5.99	717	FPO	717
16-Jun-17	MBL	On Market Sale	AUD 5.95	-60	FPO	60
16-Jun-17	MBL	On Market Sale	AUD 5.99	-2,702	FPO	2,702
16-Jun-17	MLL	On market sale	AUD 5.96	-15	FPO	15
16-Jun-17	MIMAL	On market purchase	AUD 5.96	7,539	FPO	7,539
16-Jun-17	MIMAL	On market purchase	AUD 5.96	4,099	FPO	4,099
16-Jun-17	MIMAL	On market purchase	AUD 5.96	8,728	FPO	8,728
16-Jun-17	MIMAL	On market purchase	AUD 5.96	285	FPO	285
16-Jun-17	MIMAL	On market purchase	AUD 5.96	1,745	FPO	1,745
16-Jun-17	MPPM	On market sale	AUD 5.97	-2,626	FPO	2,626
16-Jun-17	MIMAL	On market sale	AUD 5.95	-3,050	FPO	3,050
16-Jun-17	MIMAL	On market sale	AUD 5.94	-946	FPO	946
16-Jun-17	MPPM	On market purchase	AUD 6.00	31	FPO	31
16-Jun-17	MIMAL	On market sale	AUD 6.00	-1,617	FPO	1,617
15-Jun-17	MBL	On Market Sale	AUD 6.00	-2,950	FPO	2,950
15-Jun-17	MBL	On Market Sale	AUD 6.04	-247,689	FPO	247,689
15-Jun-17	MBL	On Market Sale	AUD 6.05	-1,634	FPO	1,634
15-Jun-17	MBL	On Market Sale	AUD 6.05	-3,346	FPO	3,346
15-Jun-17	MBL	On Market Purchase	AUD 6.05	338	FPO	338
15-Jun-17	MBL	On Market Purchase	AUD 6.05	2,071	FPO	2,071
15-Jun-17	MBL	On Market Sale	AUD 6.06	-1,785	FPO	1,785
15-Jun-17	MBL	On Market Sale	AUD 6.05	-3,613	FPO	3,613
15-Jun-17	MBL	On Market Sale	AUD 6.05	-4,120	FPO	4,120
15-Jun-17	MBL	On Market Sale	AUD 6.05	-1,300	FPO	1,300
15-Jun-17	MBL	On Market Purchase	AUD 6.05	1,297	FPO	1,297
15-Jun-17	MIMAL	On market sale	AUD 6	-73,003	FPO	73,003
15-Jun-17	MIMAL	On market sale	AUD 6.05	-3,257	FPO	3,257
15-Jun-17	MPPM	On market sale	AUD 6.05	-2,182	FPO	2,182
15-Jun-17	MPPM	On market purchase	AUD 6.06	322	FPO	322
15-Jun-17	MIMAL	On market sale	AUD 6.04	-1,500	FPO	1,500
15-Jun-17	MPPM	On market purchase	AUD 6.06	257	FPO	257
15-Jun-17	MPPM	On market sale	AUD 6.05	-1,378	FPO	1,378
15-Jun-17	MPPM	On market purchase	AUD 6.06	338	FPO	338
15-Jun-17	MPPM	On market purchase	AUD 6.06	274	FPO	274
14-Jun-17	MBL	On Market Purchase	AUD 5.93	2,411	FPO	2,411
14-Jun-17	MBL	On Market Purchase	AUD 6.05	4,367	FPO	4,367
14-Jun-17	MBL	On Market Sale	AUD 6.04	-9	FPO	9
14-Jun-17	MBL	On Market Purchase	AUD 6.05	2,884	FPO	2,884
14-Jun-17	MBL	On Market Sale	AUD 6.04	-18,132	FPO	18,132
14-Jun-17	MBL	On Market Purchase	AUD 6.03	5,532	FPO	5,532
14-Jun-17	MIMAL	On market sale	AUD 6.04	-18,500	FPO	18,500
14-Jun-17	MIMAL	On market sale	AUD 6.04	-12,314	FPO	12,314
14-Jun-17	MIMAL	On market sale	AUD 6.04	-22,637	FPO	22,637
14-Jun-17	MIMAL	On market sale	AUD 6.04	-5,875	FPO	5,875
14-Jun-17	MIMAL	Transfer out - client account	AUD 0.00	-21,154	FPO	21,154
14-Jun-17	MIMAL	Transfer in - client account	AUD 0.00	21,154	FPO	21,154

Date of change	Person whose relevant interest changed	Nature of change	Consideration	Number of securities affected	Class	Person's votes affected
13-Jun-17	MBL	On Market Purchase	AUD 5.93	9,123	FPO	9,123
13-Jun-17	MBL	On Market Sale	AUD 5.86	-1,919	FPO	1,919
13-Jun-17	MBL	On Market Sale	AUD 5.88	-47,989	FPO	47,989
13-Jun-17	MIMAL	On market sale	AUD 5.93	-147,968	FPO	147,968
13-Jun-17	MIMAL	On market sale	AUD 5.93	-42,998	FPO	42,998
13-Jun-17	MIMAL	On market sale	AUD 5.93	-23,537	FPO	23,537
13-Jun-17	MIMAL	On market sale	AUD 5.93	-19,540	FPO	19,540
13-Jun-17	MIMAL	On market sale	AUD 5.93	-9,358	FPO	9,358
13-Jun-17	MIMAL	On market sale	AUD 5.91	-2,990	FPO	2,990
13-Jun-17	MIMAL	On market sale	AUD 5.86	-1,442	FPO	1,442
13-Jun-17	MPPM	On market purchase	AUD 5.89	472	FPO	472
13-Jun-17	MPPM	On market sale	AUD 5.88	-66	FPO	66
13-Jun-17	MIMAL	On market purchase	AUD 5.89	4,300	FPO	4,300
13-Jun-17	MIMAL	On market sale	AUD 5.87	-5,000	FPO	5,000
13-Jun-17	MIMAL	On market sale	AUD 5.85	-1,967	FPO	1,967
13-Jun-17	MIMAL	On market sale	AUD 5.88	-2,550	FPO	2,550
13-Jun-17	MIMAL	On market sale	AUD 5.86	-2,639	FPO	2,639
13-Jun-17	MPPM	On market purchase	AUD 5.89	298	FPO	298
13-Jun-17	MIMAL	On market sale	AUD 5.85	-2,200	FPO	2,200
13-Jun-17	MIMAL	On market sale	AUD 5.85	-1,828	FPO	1,828
13-Jun-17	MIMAL	On market sale	AUD 5.86	-1,269	FPO	1,269
13-Jun-17	MPPM	On market sale	AUD 5.88	-124	FPO	124
13-Jun-17	MIMAL	On market sale	AUD 5.85	-3,174	FPO	3,174
13-Jun-17	MPPM	On market sale	AUD 5.88	-55	FPO	55
13-Jun-17	MIMAL	On market sale	AUD 5.86	-2,919	FPO	2,919
13-Jun-17	MPPM	On market purchase	AUD 5.89	830	FPO	830
09-Jun-17	MBL	On Market Sale	AUD 5.85	-384	FPO	384
09-Jun-17	MBL	On Market Sale	AUD 5.87	-1,439	FPO	1,439
09-Jun-17	MBL	On Market Sale	AUD 5.83	-1,438	FPO	1,438
09-Jun-17	MBL	On Market Sale	AUD 5.78	-7,915	FPO	7,915
09-Jun-17	MBL	On Market Sale	AUD 5.88	-2,662	FPO	2,662
09-Jun-17	MBL	On Market Sale	AUD 5.88	-233	FPO	233
09-Jun-17	MBL	On Market Purchase	AUD 5.76	9	FPO	9
09-Jun-17	MBL	Receive Return	AUD 5.83	-203	FPO	203
09-Jun-17	MPPM	On market purchase	AUD 5.88	823	FPO	823
09-Jun-17	MPPM	On market sale	AUD 5.87	-579	FPO	579
09-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-1,827	FPO	1,827
09-Jun-17	MIMAL	On market sale	AUD 5.79	-3,738	FPO	3,738
09-Jun-17	MPPM	On market purchase	AUD 5.86	1,068	FPO	1,068
09-Jun-17	MBL	Borrow delivery	AUD 6.12	15,000	FPO	15,000
08-Jun-17	MBL	On Market Purchase	AUD 5.83	27	FPO	27
08-Jun-17	MBL	On Market Sale	AUD 5.83	-1,503	FPO	1,503
08-Jun-17	MBL	On Market Sale	AUD 5.90	-3,435	FPO	3,435
08-Jun-17	MBL	On Market Sale	AUD 5.91	-482	FPO	482
08-Jun-17	MBL	On Market Purchase	AUD 5.87	1,503	FPO	1,503
08-Jun-17	MBL	On Market Purchase	AUD 5.87	3,841	FPO	3,841
08-Jun-17	MBL	On Market Sale	AUD 5.83	-9,601	FPO	9,601
08-Jun-17	MBL	On Market Sale	AUD 5.87	-5,216	FPO	5,216
08-Jun-17	MIMAL	On market sale	AUD 5.88	-46,345	FPO	46,345
08-Jun-17	MIMAL	On market sale	AUD 5.88	-12,905	FPO	12,905
08-Jun-17	MIMAL	On market sale	AUD 5.88	-2,621	FPO	2,621
08-Jun-17	MIMAL	On market sale	AUD 5.88	-63,389	FPO	63,389
08-Jun-17	MIMAL	On market sale	AUD 5.88	-45,923	FPO	45,923
08-Jun-17	MIMAL	On market sale	AUD 5.88	-15,890	FPO	15,890
08-Jun-17	MIMAL	On market sale	AUD 5.88	-23,635	FPO	23,635
08-Jun-17	MIMAL	On market sale	AUD 5.88	-11,909	FPO	11,909
08-Jun-17	MPPM	On market purchase	AUD 5.91	113	FPO	113
07-Jun-17	MBL	On Market Sale	AUD 5.96	-31,423	FPO	31,423
07-Jun-17	MBL	On Market Sale	AUD 6.09	-2,160	FPO	2,160
07-Jun-17	MBL	On Market Sale	AUD 6.04	-1,965	FPO	1,965
07-Jun-17	MBL	On Market Sale	AUD 6.06	-1,297	FPO	1,297
07-Jun-17	MBL	On Market Sale	AUD 6.04	-2,306	FPO	2,306
07-Jun-17	MIMAL	On market sale	AUD 5.96	-41,636	FPO	41,636
07-Jun-17	MIMAL	On market sale	AUD 5.96	-11,594	FPO	11,594
07-Jun-17	MIMAL	On market sale	AUD 5.96	-2,354	FPO	2,354
07-Jun-17	MIMAL	On market sale	AUD 5.96	-6,100	FPO	6,100
07-Jun-17	MIMAL	On market sale	AUD 5.96	-1,928	FPO	1,928
07-Jun-17	MIMAL	On market sale	AUD 5.96	-56,949	FPO	56,949
07-Jun-17	MIMAL	On market sale	AUD 5.96	-41,258	FPO	41,258
07-Jun-17	MIMAL	On market sale	AUD 5.96	-14,276	FPO	14,276
07-Jun-17	MIMAL	On market sale	AUD 5.96	-21,234	FPO	21,234
07-Jun-17	MIMAL	On market sale	AUD 5.96	-10,699	FPO	10,699
07-Jun-17	MPPM	On market sale	AUD 6.03	-352	FPO	352
07-Jun-17	MPPM	On market purchase	AUD 6.04	331	FPO	331

Date of change	Person whose relevant interest changed	Nature of change	Consideration	Number of securities affected	Class	Person's votes affected
07-Jun-17	MPPM	On market sale	AUD 6.03	-1,151	FPO	1,151
07-Jun-17	MPPM	On market sale	AUD 6.03	-158	FPO	158
07-Jun-17	MPPM	On market sale	AUD 6.03	-245	FPO	245
07-Jun-17	MPPM	On market purchase	AUD 6.04	200	FPO	200
07-Jun-17	MPPM	On market purchase	AUD 6.04	1,000	FPO	1,000
07-Jun-17	MIMAL	On market sale	AUD 6.03	-1,540	FPO	1,540
07-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-981	FPO	981
07-Jun-17	MPPM	On market purchase	AUD 6.04	755	FPO	755
07-Jun-17	MPPM	On market purchase	AUD 6.04	4,290	FPO	4,290
07-Jun-17	MPPM	On market sale	AUD 6.03	-781	FPO	781
07-Jun-17	MPPM	On market purchase	AUD 6.04	1,498	FPO	1,498
06-Jun-17	MBL	On Market Purchase	AUD 6.07	2,742	FPO	2,742
06-Jun-17	MBL	On Market Sale	AUD 6.07	-1,858	FPO	1,858
06-Jun-17	MBL	On Market Purchase	AUD 6.11	1,858	FPO	1,858
06-Jun-17	MBL	On Market Sale	AUD 6.11	-4,559	FPO	4,559
06-Jun-17	MBL	On Market Purchase	AUD 6.14	553	FPO	553
06-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-4,909	FPO	4,909
06-Jun-17	MIMAL	Transfer in - client account	AUD 0.00	1,000	FPO	1,000
06-Jun-17	MIMAL	On market sale	AUD 6.12	-3,878	FPO	3,878
06-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-777	FPO	777
06-Jun-17	MPPM	On market sale	AUD 6.12	-262	FPO	262
06-Jun-17	MPPM	On market sale	AUD 6.11	-273	FPO	273
06-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-514	FPO	514
06-Jun-17	MIMAL	Transfer out - client account	AUD 0.00	-86,461	FPO	86,461
06-Jun-17	MIMAL	Transfer in - client account	AUD 0.00	270	FPO	270
06-Jun-17	MPPM	Transfer out - client account	AUD 0.00	-1,167	FPO	1,167
06-Jun-17	MIMAL	Transfer in - client account	AUD 0.00	86,461	FPO	86,461
06-Jun-17	MIMAL	On market sale	AUD 6.07	-3,689	FPO	3,689
06-Jun-17	MIMAL	Transfer in - client account	AUD 0.00	270	FPO	270
06-Jun-17	MPPM	On market purchase	AUD 6.12	653	FPO	653
06-Jun-17	MPPM	On market sale	AUD 6.11	-240	FPO	240
05-Jun-17	MBL	On Market Sale	AUD 6.17	-35,885	FPO	35,885
05-Jun-17	MIMAL	On market sale	AUD 6.09	-4,478	FPO	4,478
05-Jun-17	MPPM	On market sale	AUD 6.09	-359	FPO	359
05-Jun-17	MIMAL	On market sale	AUD 6.19	-3,836	FPO	3,836
02-Jun-17	MBL	On Market Sale	AUD 6.11	-8,641	FPO	8,641
02-Jun-17	MBL	On Market Purchase	AUD 6.05	5	FPO	5
02-Jun-17	MBL	On Market Purchase	AUD 6.09	1,249	FPO	1,249
02-Jun-17	MBL	On Market Sale	AUD 6.08	-5	FPO	5
02-Jun-17	MBL	On Market Purchase	AUD 5.99	3,858	FPO	3,858
02-Jun-17	MIMAL	On market purchase	AUD 6.11	16,745	FPO	16,745
02-Jun-17	MIMAL	On market sale	AUD 6.11	-3,819	FPO	3,819
02-Jun-17	MIMAL	On market sale	AUD 6.08	-3,577	FPO	3,577
02-Jun-17	MIMAL	On market sale	AUD 6.09	-4,567	FPO	4,567
02-Jun-17	MIMAL	On market sale	AUD 6.04	-3,771	FPO	3,771
02-Jun-17	MPPM	On market sale	AUD 6.07	-1,064	FPO	1,064
02-Jun-17	MIMAL	On market sale	AUD 6.10	-3,889	FPO	3,889
02-Jun-17	MIMAL	On market sale	AUD 6.07	-5,018	FPO	5,018
02-Jun-17	MIMAL	On market sale	AUD 6.03	-3,774	FPO	3,774
02-Jun-17	MIMAL	On market sale	AUD 6.10	-3,835	FPO	3,835
02-Jun-17	MIMAL	On market sale	AUD 6.10	-3,838	FPO	3,838
02-Jun-17	MIMAL	On market sale	AUD 6.08	-2,878	FPO	2,878
01-Jun-17	MBL	On Market Sale	AUD 5.89	-5	FPO	5
01-Jun-17	MBL	On Market Purchase	AUD 5.92	384	FPO	384
01-Jun-17	MBL	On Market Purchase	AUD 5.94	1,347	FPO	1,347
01-Jun-17	MBL	On Market Sale	AUD 5.93	-7,483	FPO	7,483
01-Jun-17	MBL	On Market Purchase	AUD 5.93	5	FPO	5
01-Jun-17	MBL	On Market Purchase	AUD 5.89	9,849	FPO	9,849
01-Jun-17	MBL	On Market Purchase	AUD 5.91	722	FPO	722
01-Jun-17	MBL	On Market Purchase	AUD 5.95	1,249	FPO	1,249
01-Jun-17	MIMAL	Other - Inspecie	AUD 5.93	5,576	FPO	5,576
01-Jun-17	MIMAL	On market purchase	AUD 5.93	198,423	FPO	198,423
01-Jun-17	MIMAL	Other - Inspecie	AUD 5.93	-5,576	FPO	5,576
01-Jun-17	MBL	Received Collateral	AUD 5.85	31,933	FPO	31,933
01-Jun-17	MPPM	On market purchase	AUD 5.92	395	FPO	395
01-Jun-17	MPPM	On market purchase	AUD 5.92	325	FPO	325
01-Jun-17	MIMAL	On market sale	AUD 5.93	-6,793	FPO	6,793
01-Jun-17	MPPM	On market purchase	AUD 5.92	228	FPO	228
01-Jun-17	MIMAL	On market sale	AUD 5.92	-15,000	FPO	15,000
01-Jun-17	MPPM	On market sale	AUD 5.92	-3,657	FPO	3,657
01-Jun-17	MPPM	On market purchase	AUD 5.92	196	FPO	196
01-Jun-17	MIMAL	On market purchase	AUD 5.94	2,905	FPO	2,905
01-Jun-17	MIMAL	On market purchase	AUD 5.94	3,076	FPO	3,076
01-Jun-17	MPPM	On market sale	AUD 5.91	-926	FPO	926

Date of change	Person whose relevant interest changed	Nature of change	Consideration	Number of securities affected	Class	Person's votes affected
01-Jun-17	MPPM	On market purchase	AUD 5.92	336	FPO	336
31-May-17	MBL	On Market Sale	AUD 5.85	-24,037	FPO	24,037
31-May-17	MBL	On Market Purchase	AUD 5.83	892	FPO	892
31-May-17	MIMAL	On market sale	AUD 5.85	-26,113	FPO	26,113
31-May-17	MIMAL	On market sale	AUD 5.85	-20,037	FPO	20,037
31-May-17	MIMAL	On market sale	AUD 5.85	-58,850	FPO	58,850
31-May-17	MPPM	Transfer out - client account	AUD 0.00	-17,389	FPO	17,389
31-May-17	MPPM	On market sale	AUD 5.80	-264	FPO	264
31-May-17	MPPM	On market sale	AUD 5.80	-1,068	FPO	1,068
31-May-17	MIMAL	On market sale	AUD 5.83	-1,330	FPO	1,330
30-May-17	MBL	On Market Sale	AUD 5.80	-934	FPO	934
30-May-17	MBL	On Market Sale	AUD 5.78	-960	FPO	960
30-May-17	MBL	On Market Sale	AUD 5.83	-1,345	FPO	1,345
30-May-17	MBL	On Market Sale	AUD 5.77	-2,093	FPO	2,093
30-May-17	MBL	On Market Sale	AUD 5.81	-1,417	FPO	1,417
30-May-17	MBL	On Market Purchase	AUD 5.81	934	FPO	934
30-May-17	MBL	On Market Sale	AUD 5.79	-770	FPO	770
30-May-17	MBL	On Market Sale	AUD 5.77	-483	FPO	483
30-May-17	MPPM	On market sale	AUD 5.80	-55	FPO	55
30-May-17	MPPM	On market sale	AUD 5.80	-84	FPO	84
30-May-17	MPPM	On market sale	AUD 5.80	-417	FPO	417
30-May-17	MPPM	On market purchase	AUD 5.79	693	FPO	693
30-May-17	MPPM	On market sale	AUD 5.80	-210	FPO	210
30-May-17	MPPM	On market sale	AUD 5.80	-56	FPO	56
30-May-17	MPPM	On market sale	AUD 5.80	-158	FPO	158
30-May-17	MPPM	On market sale	AUD 5.80	-208	FPO	208
29-May-17	MBL	On Market Purchase	AUD 5.62	1,732	FPO	1,732
29-May-17	MBL	On Market Sale	AUD 5.74	-1,281	FPO	1,281
29-May-17	MBL	On Market Purchase	AUD 5.82	1,882	FPO	1,882
29-May-17	MBL	On Market Purchase	AUD 5.82	1,922	FPO	1,922
29-May-17	MBL	On Market Purchase	AUD 5.68	3,269	FPO	3,269
29-May-17	MBL	On Market Purchase	AUD 5.62	963	FPO	963
29-May-17	MBL	On Market Purchase	AUD 5.76	10,871	FPO	10,871
29-May-17	MBL	On Market Purchase	AUD 5.68	364	FPO	364
29-May-17	MBL	On Market Purchase	AUD 5.67	644	FPO	644
29-May-17	MBL	On Market Sale	AUD 5.76	-1,882	FPO	1,882
29-May-17	MIMAL	On market sale	AUD 5.76	-4,455	FPO	4,455
29-May-17	MPPM	On market purchase	AUD 5.63	195	FPO	195
29-May-17	MPPM	On market purchase	AUD 5.69	927	FPO	927
29-May-17	MPPM	On market purchase	AUD 5.63	214	FPO	214
29-May-17	MIMAL	On market sale	AUD 5.67	-6,084	FPO	6,084
29-May-17	MPPM	On market purchase	AUD 5.63	81	FPO	81
29-May-17	MIMAL	Transfer in - client account	AUD 0.00	3,711	FPO	3,711
29-May-17	MIMAL	Transfer out - client account	AUD 0.00	-3,711	FPO	3,711
29-May-17	MPPM	On market purchase	AUD 5.63	97	FPO	97
26-May-17	MBL	On Market Purchase	AUD 5.84	1,105	FPO	1,105
26-May-17	MBL	On Market Purchase	AUD 5.83	1,300	FPO	1,300
26-May-17	MBL	On Market Purchase	AUD 5.89	722	FPO	722
26-May-17	MBL	On Market Purchase	AUD 5.84	5,383	FPO	5,383
26-May-17	MBL	On Market Purchase	AUD 5.89	9,277	FPO	9,277
26-May-17	MBL	On Market Purchase	AUD 5.90	1,200	FPO	1,200
26-May-17	MIMAL	Other - Inspecie	AUD 5.89	9,852	FPO	9,852
26-May-17	MIMAL	On market purchase	AUD 5.89	40,361	FPO	40,361
26-May-17	MIMAL	Other - Inspecie	AUD 5.89	-9,852	FPO	9,852
26-May-17	MIMAL	On market sale	AUD 5.87	-4,007	FPO	4,007
26-May-17	MIMAL	On market sale	AUD 5.89	-3,030	FPO	3,030
26-May-17	MIMAL	On market sale	AUD 5.89	-3,290	FPO	3,290
26-May-17	MIMAL	On market sale	AUD 5.87	-3,083	FPO	3,083
26-May-17	MPPM	On market purchase	AUD 5.83	51	FPO	51
26-May-17	MPPM	On market sale	AUD 5.82	-59	FPO	59
26-May-17	MPPM	On market purchase	AUD 5.83	97	FPO	97
26-May-17	MIMAL	On market sale	AUD 5.88	-2,100	FPO	2,100
25-May-17	MBL	On Market Purchase	AUD 5.85	25,795	FPO	25,795
25-May-17	MBL	On Market Purchase	AUD 5.84	1,106	FPO	1,106
25-May-17	MBL	On Market Purchase	AUD 5.84	1,876	FPO	1,876
25-May-17	MBL	On Market Purchase	AUD 5.90	4,564	FPO	4,564
25-May-17	MBL	On Market Purchase	AUD 5.90	5,003	FPO	5,003
25-May-17	MBL	On Market Purchase	AUD 5.84	1,444	FPO	1,444
25-May-17	MBL	On Market Purchase	AUD 5.83	1,442	FPO	1,442
25-May-17	MIMAL	On market purchase	AUD 5.85	20,174	FPO	20,174
25-May-17	MPPM	On market purchase	AUD 5.90	291	FPO	291
25-May-17	MPPM	On market sale	AUD 5.90	-110	FPO	110
25-May-17	MPPM	On market purchase	AUD 5.90	324	FPO	324
25-May-17	MPPM	On market sale	AUD 5.90	-122	FPO	122

Date of change	Person whose relevant interest changed	Nature of change	Consideration	Number of securities affected	Class	Person's votes affected
25-May-17	MIMAL	On market purchase	AUD 5.89	8,500	FPO	8,500
25-May-17	MIMAL	On market sale	AUD 5.90	-2,975	FPO	2,975
25-May-17	MPPM	On market purchase	AUD 5.89	907	FPO	907
25-May-17	MPPM	On market purchase	AUD 5.90	295	FPO	295
24-May-17	MBL	On Market Purchase	AUD 5.90	1,446	FPO	1,446
24-May-17	MBL	On Market Purchase	AUD 5.88	1,155	FPO	1,155
24-May-17	MBL	On Market Purchase	AUD 5.84	5,529	FPO	5,529
24-May-17	MBL	On Market Purchase	AUD 5.88	11,549	FPO	11,549
24-May-17	MPPM	On market sale	AUD 5.87	-342	FPO	342
24-May-17	MPPM	On market purchase	AUD 5.88	743	FPO	743
24-May-17	MPPM	On market sale	AUD 5.87	-876	FPO	876
24-May-17	MIMAL	On market sale	AUD 5.88	-2,004	FPO	2,004
24-May-17	MPPM	On market sale	AUD 5.87	-189	FPO	189
24-May-17	MPPM	On market purchase	AUD 5.91	50	FPO	50
24-May-17	MPPM	On market purchase	AUD 5.88	13,813	FPO	13,813
24-May-17	MIMAL	On market sale	AUD 5.82	-4,961	FPO	4,961
24-May-17	MPPM	On market sale	AUD 5.81	-665	FPO	665
23-May-17	MBL	On Market Purchase	AUD 5.77	1,348	FPO	1,348
23-May-17	MBL	On Market Purchase	AUD 5.72	1,371	FPO	1,371
23-May-17	MBL	On Market Purchase	AUD 5.84	9,655	FPO	9,655
23-May-17	MBL	On Market Purchase	AUD 5.77	1,445	FPO	1,445
23-May-17	MIMAL	On market sale	AUD 5.84	-3,217	FPO	3,217
23-May-17	MIMAL	On market sale	AUD 5.84	-2,687	FPO	2,687
23-May-17	MPPM	On market sale	AUD 5.80	-224	FPO	224
23-May-17	MPPM	Transfer out - client account	AUD 0.00	-1,820	FPO	1,820
23-May-17	MPPM	On market sale	AUD 5.79	-4,085	FPO	4,085
23-May-17	MPPM	Transfer out - client account	AUD 0.00	-2,931	FPO	2,931
23-May-17	MPPM	Transfer out - client account	AUD 0.00	-1,278	FPO	1,278