

## Green Bond Fact Sheet

Macquarie Group		Date:14-Jun-2018	
Issue date: 13-Jun-2018 Maturity date: 13-Jun-2023 Tenor: 5 (longest dated tranche)			
Issuer Name	Macquarie Group	Amount Issued	GBP500m (USD334m)
Country of risk	Australia	CBI Database	Included
Issuer Type <sup>1</sup>	Loan	Bond Type	Green Revolving Facility, Green Term Facility
Green Bond Framework	<a href="#">Link to Framework</a>	Second party opinion	<a href="#">Sustainalytics</a>
Certification Standard	Not certified	Assurance report	N/A
Certification Verifier	N/A	Green bond rating	N/A
Use of Proceeds			
<input checked="" type="checkbox"/> Energy	<input checked="" type="checkbox"/> Solar <input checked="" type="checkbox"/> Onshore wind <input checked="" type="checkbox"/> Offshore wind <input type="checkbox"/> Geothermal <input type="checkbox"/> Hydro <input type="checkbox"/> Tidal	<input type="checkbox"/> Biofuels <input checked="" type="checkbox"/> Bioenergy <input checked="" type="checkbox"/> Waste to energy <input type="checkbox"/> District heating <input type="checkbox"/> Electricity grid	<input type="checkbox"/> Energy storage <input type="checkbox"/> Energy performance <input type="checkbox"/> Infrastructure <input type="checkbox"/> Industry: components <input type="checkbox"/> Adaptation & resilience
<input checked="" type="checkbox"/> Buildings	<input checked="" type="checkbox"/> Certified Buildings <input type="checkbox"/> HVAC systems <input type="checkbox"/> Energy performance	<input type="checkbox"/> Water performance <input type="checkbox"/> Energy storage/meters <input type="checkbox"/> Other energy related	<input type="checkbox"/> Industry: components <input type="checkbox"/> Adaptation & resilience
<input checked="" type="checkbox"/> Transport	<input checked="" type="checkbox"/> Electric vehicles <input checked="" type="checkbox"/> Low emission vehicles <input type="checkbox"/> Bus rapid transit <input type="checkbox"/> Passenger trains <input type="checkbox"/> Urban rail	<input type="checkbox"/> Freight rolling stock <input type="checkbox"/> Coach / public bus <input type="checkbox"/> Bicycle infrastructure <input checked="" type="checkbox"/> Energy performance	<input type="checkbox"/> Transport logistics <input checked="" type="checkbox"/> Infrastructure <input type="checkbox"/> Industry: components <input type="checkbox"/> Adaptation & resilience
<input type="checkbox"/> Water & wastewater	<input type="checkbox"/> Water distribution <input type="checkbox"/> Water treatment <input type="checkbox"/> Wastewater treatment <input type="checkbox"/> Water storage	<input type="checkbox"/> Storm water mgmt <input type="checkbox"/> Desalination plants <input type="checkbox"/> Erosion control <input type="checkbox"/> Energy performance	<input type="checkbox"/> Infrastructure <input type="checkbox"/> Industry: components <input type="checkbox"/> Adaptation & resilience

<input checked="" type="checkbox"/> Waste management	<input checked="" type="checkbox"/> Recycling <input type="checkbox"/> Waste prevention <input type="checkbox"/> Pollution control	<input checked="" type="checkbox"/> Landfill, energy capture <input type="checkbox"/> Energy performance <input type="checkbox"/> Infrastructure	<input type="checkbox"/> Industry: components <input type="checkbox"/> Adaptation & resilience
<input type="checkbox"/> Land use & agriculture	<input type="checkbox"/> Afforestation/parks <input type="checkbox"/> FSC Forestry <input type="checkbox"/> FSC Cellulose & paper	<input type="checkbox"/> Land remediation <input type="checkbox"/> Energy/water efficiency	<input type="checkbox"/> Sustainable agriculture <input type="checkbox"/> Adaptation & resilience
<input type="checkbox"/> Other	<input type="checkbox"/> Adaptation & resilience	<input type="checkbox"/> ICT	<input type="checkbox"/> Industry: process
<b>Issue details</b>			
<b>Reporting</b>	The issuer will publish a Green Financial Report on an annual basis, which will include information on proceed allocation and impact indicators for each eligibility category. The report will be available on <a href="#">Macquarie’s website</a> .		
<b>Company information</b>	Macquarie Group is a Sydney-based global financial group with a presence across 25 countries and assets under management of \$A496.7 billion (as at 31 March 2018). Macquarie’s key activities include asset management and finance, banking, advisory and risk and capital solutions across debt, equity and commodities.		
<b>Firsts, records and certifications</b>	First green loan tranches from an Australian issuer.		
<b>Proceeds description</b>	<p>The loan includes two GBP250m green tranches with a 3 and 5-year tenor, structured as revolving and term facilities respectively. Proceeds from the tranches will be allocated to: i) renewable energy (solar, wind, tidal, sustainable biomass), ii) waste management (recycling, solid waste incineration, organic waste treatment, power generation, landfill gas collection), iii) clean transportation, and iv) green buildings with at least a GBCA 6 star, BREEAM Excellent, LEED Gold certification or an equivalent regional standard. Investments in technology, products or systems which enhance the energy performance of assets within these categories are also eligible. Projects directly related to fossil fuels, nuclear and biomass suitable for food production are explicitly excluded from the <a href="#">Green Bond Framework</a>.</p> <p>The issuer has stated that it intends to use the impact assessment methodology developed by its Green Investment Group and outlined in its <a href="#">Green Investment Handbook</a>.</p>		
<b>Climate Bonds view</b>	<p>The list of indicators that will be used in the issuer’s Impact Report includes “additional energy saving or operational performance data” under the green building category. This will provide more transparency around the actual environmental sustainability and mitigation benefits of the financed projects.</p> <p>For waste-related projects, we are starting to see the need for more information to ensure that the financed projects and assets are compliant with a low-carbon transition. In this case, for instance, we would like to see details related to landfill gas collection projects to ensure that this process is not used to extend the lifetime of a landfill facility. Climate Bonds is in the process of developing more stringent eligibility requirements for including waste-related bonds in its database.</p>		

	> Climate Bonds criteria for recycling and waste management are under development.
<b>Underwriters</b>	HSBC, ING, Bank of China
<b>Deal comments</b>	
<b>Credit Rating</b>	
<b>Pricing summary</b>	
<b>Investors summary</b>	Strong demand for the loan came from global financial institutions, particularly in Asia.

<sup>1</sup> Issuer categories: ABS, development bank, financial corporate, government-backed entity, loan, local government, non-financial corporate, sovereign