

## Green Bond Fact Sheet

Star Energy Geothermal (Wayang Windu) Ltd			Date: 24-Apr-2018
Issue date:24-Apr-2018 Maturity date:24-Apr-2033 Tenor:15			
Issuer Name	Star Energy Geothermal (Wayang Windu) Ltd	Amount Issued	USD580m
Country of risk	Indonesia	CBI Database	Included
Issuer Type <sup>1</sup>	Non-Financial Corporate	Bond Type	Green Bond
Green Bond Framework	<a href="#">Link to Framework</a>	Second party opinion	<a href="#">Carbon Trust</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 type="checkbox"/> Solar <input type="checkbox"/> Onshore wind <input type="checkbox"/> Offshore wind <input checked="" type="checkbox"/> Geothermal <input type="checkbox"/> Hydro <input type="checkbox"/> Tidal	<input type="checkbox"/> Biofuels <input type="checkbox"/> Bioenergy <input 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 type="checkbox"/> Buildings	<input 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 type="checkbox"/> Transport	<input type="checkbox"/> Electric vehicles <input 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 type="checkbox"/> Energy performance	<input type="checkbox"/> Transport logistics <input 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 type="checkbox"/> Waste management	<input type="checkbox"/> Recycling <input type="checkbox"/> Waste prevention <input type="checkbox"/> Pollution control	<input 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>			
Reporting	The issuer will annually publish a Green Bond report on its <a href="#">website</a> disclosing information on the installed geothermal capacity and estimated avoided CO2 emissions. The report will be verified by an independent assurer.		
Company information	Star Energy Geothermal (Wayang Windu) Ltd is a leading geothermal energy company and owns the 227MW Wayang Windu geothermal power plants in West Java, Indonesia. The company is a direct subsidiary of Star Energy Geothermal Pte. Ltd.		
Firsts, records and certifications	Third Indonesian issuer and first from the geothermal energy sector.		
Proceeds description	Proceeds will be used to finance the Wayang Windu Geothermal power plant and specifically assets with emissions of less than 100g CO2 per kWh estimated carbon intensity. Carbon Trust notes that this compares favourably to the Indonesian national average emission factor for electricity of over 730g CO2 per kWh.		
Climate Bonds view	The carbon intensity threshold set by the issuer is aligned with the Geothermal Criteria of the Climate Bonds Standard, which demonstrates a high level of ambition.		
Underwriters	Barclays, Development Bank of Singapore, Deutsche Bank		
<b>Deal comments</b>			
Credit Rating	Ba3 (Moody's)		
Pricing summary			
Investors summary			

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