

## Green Bond Fact Sheet

Energy Absolute			Date: 25/9/2019
Issue date: 11-07-2019 Maturity date: 11-07-2022 Tenor: up to 10 years			
Issuer Name	Energy Absolute	Amount Issued	THB3bn/USD97.4m
Country of risk	Thailand	CBI Database	Included
Issuer Type <sup>1</sup>	Non-financial corporate	Bond Type	Use of Proceeds
Green Bond Framework	N/A	Second party opinion	N/A
Certification Standard	Certified under Climate Bonds Standard v2.1, including sector-specific criteria for: <ul style="list-style-type: none"> <li>• Wind</li> </ul>	Assurance report	<a href="#">Pre issuance verification</a>
Certification Verifier	DNV GL	Green bond rating	N/A
Use of Proceeds			
<input checked="" type="checkbox"/> Energy	<input type="checkbox"/> Solar <input checked="" type="checkbox"/> Onshore wind <input type="checkbox"/> Offshore wind <input 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"/> Flood protection <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>			
<b>Reporting</b>	<p>The issuer will report on an annual basis, with a summary of projects and the amounts of allocated and unallocated proceeds. Where possible, the issuer will also provide information such as the amounts of energy generation.</p> <p>The report will be available publicly on the EA website.</p>		
<b>Company information</b>	<p>EA is an energy company in Thailand. Approximately 2/3 of its revenues are derived from solar and wind power. By the end of 2019, it will have 664MW of installed solar and wind capacity generation.</p> <p>In 2019, EA launched an electrical car, and began investing in electric car charging infrastructure.</p>		
<b>Firsts, records and certifications</b>	This is the third issuer based in Thailand to receive Certification.		
<b>Proceeds description</b>	The proceeds will be used to refinance the development of the Hanuman Wind Power Project in Chaiyaphum Province, which became operational in May 2019. This complex has an installed capacity of 260MW and is one of the largest wind farms in southeast Asia. It is comprised of 103 wind turbines.		
<b>Climate Bonds view</b>	Thailand is rapidly becoming a leader in issuing Certified Climate Bonds in Asia		
<b>Underwriters</b>	Kasikornbank, Phatra Securities, Finansia Syrus Securities		
<b>Deal comments</b>			
<b>Credit Rating</b>			
<b>Pricing summary</b>			
<b>Investors summary</b>			

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

