

Green Bond Fact Sheet

Odakyu Electric Railway Co Ltd			Date: 31-Jan-2019
Issue date: 31-Jan-2019 Maturity date: 25-Jan-2022 Tenor: 3			
Issuer Name	Odakyu Electric Railway Co Ltd	Amount Issued	JPY10bn (USD92m)
Country of risk	Japan	CBI Database	Included
Issuer Type ¹	Non-Financial Corporates	Bond Type	Senior unsecured
Green Bond Framework	N/A	Second party opinion	Sustainalytics
Certification Standard	Not certified	Assurance report	N/A
Certification Verifier	N/A	Green bond rating	Green 1 (JCR)
Use of Proceeds			
<input type="checkbox"/> Energy	<input type="checkbox"/> Solar <input 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"/> 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 checked="" type="checkbox"/> Transport	<input type="checkbox"/> Electric vehicles <input type="checkbox"/> Low emission vehicles <input type="checkbox"/> Bus rapid transit <input checked="" 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 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"/> Waste to energy <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
Issue details			
Reporting	<p>The issuer will annually publish proceed and impact reporting. Impact reporting will include indicators such as CO2 reduction per km, noise and vibration reduction (the implementation rate of soundproof wheels, fully enclosed motors, low noise type compressors, and skid preventing devices), improvement of the average delay time and the number of delayed trains, improvement of the average congestion rate, progress of platform extension, progress of installation of platform screen doors, and station greening activities.</p>		
Company information	<p>Odakyu Electric Railways Co Ltd is a Japanese company which provides transportation services, headquartered in Shinjuku-ku, Tokyo. The company has four reportable segments including, Transportation, Merchandising, Real Estate and other businesses. The Transportation segment provides services through railway, bus, taxi, sightseeing boat, ropeway and cable car. The Merchandising segment operates department stores and supermarkets. The Real Estate segment is engaged in the sale of land and buildings, leasing of buildings and others. (source)</p>		
Firsts, records and certifications	<p>First Japanese debut issuer of 2019.</p>		
Proceeds description	<p>The deal is expected to finance new or renewed electric trains, the construction of a multiple double track project and renovation of stations, including the cost of platform extension, installation of platform screen doors and station greening activities.</p>		
Climate Bonds view	<p>As of end of 2018, Japan's green bond market reached a cumulative total of USD9.7bn with 2018's issuance volume representing 22% growth year-on-year.</p>		
Underwriters	<p>MUFG</p>		
Deal comments			
Credit Rating	<p>AA- (JCR)</p>		

Pricing summary	
Investors summary	

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