

Environmental Targets for Group Companies

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Type of business	Company name	Target
Transportation services	JR Bus Kanto Co., Ltd.	• 3% increase in fuel consumption efficiency for each vehicle (from fiscal ended March 2008 levels)
	JR Bus Tohoku Co., Ltd.	• 2% increase in fuel consumption efficiency for each vehicle (from fiscal ended March 2008 levels)
	Tokyo Monorail Co., Ltd.	• 100% recycling of plastic bottles (from fiscal ended March 2008 levels)
		• 100% green procurement of office supplies (from fiscal ended March 2008 levels)
		• 100% recycling (appropriate processing) of waste food oil (from fiscal ended March 2008 levels)
		• 4% reduction in tap water usage (from fiscal ended March 2008 levels)
• 5% reduction in electricity usage other than monorail train operations (from fiscal ended March 2008 levels)		
Station buildings and shopping centers	Tetsudo Kaikan Co., Ltd.	• 8% reduction in greenhouse gas emissions (from fiscal ended March 2005 levels)
		• 100% recycling of industrial waste (continued from fiscal ended March 2006)
		• 39% reduction in general waste (maintaining fiscal ended March 2008 levels)
		• 10% reduction in copy paper usage (from fiscal ended March 2008 level)
	The Ekibiru Development Co. Tokyo	• 5% reduction in energy usage (from fiscal ended March 2005 levels)
		• 2% reduction in copy paper usage (from fiscal ended March 2005 levels)
		• 70% green procurement rate
		• 14% reduction in plastic bag use as a function of sales amount (from fiscal ended March 2007 levels)
	LUMINE Co., Ltd.	• 0.71% reduction in electricity for lighting (from fiscal ended March 2006 levels)
		• 1.01% reduction in electricity for air conditioning (from fiscal ended March 2006 levels)
		• 0.96% reduction in general waste (from fiscal ended March 2006 levels)
		• 4.11% reduction in gas usage (from fiscal ended March 2006 levels)
		• 102 environmental improvement activities
	Ikebukuro Terminal Building Co., Ltd.	• Reductions exceeding 1% in fuel usage from fiscal ended March 2008 (fuel use / total floor area)
		• 7% overall reduction in CO ₂ emissions (between fiscal ending March 2006 and 2010) from the average between fiscal ended March 2003 and 2005
		• 100% recycling of dry cell and fluorescent tube
		• 100% recycling of industrial waste
		• Exchanging lightings to fluorescent-type LED lighting in parking facilities
		• Environmental improvement activities twice per month
	BoxHill Co., Ltd.	• 90% recycling of industrial waste by fiscal ending March 2011
		• 4% reduction in electricity usage by fiscal ending March 2011 (from fiscal ended March 2008 levels)
		• 1% reduction in gas usage
	Kawasaki Station Building Co., Ltd.	• 5% reduction in water usage
		• A more than 1% annual average reduction in the energy usage basic unit between fiscal ending March 2007 and 2011
Tsurumi Station Building Co., Ltd.	• Recycling in excess of 50% of general waste produced in business activities by fiscal ending March 2011	
	• Maintenance of a 96% recycling rate for industrial waste	
Yokohama Station Building Co., Ltd.	• 5% reduction in copy paper purchases (from fiscal ended March 2008 levels)	
	• 2% reduction in waste produced (from fiscal ended March 2008 levels)	
	• 1% improvement in waste recycling rate (from fiscal ended March 2008 levels)	
	• 1% reduction in electricity for lighting (from fiscal ended March 2008 levels)	
	• 1% reduction in electricity for air conditioning (from fiscal ended March 2008 levels)	
	• 1% reduction in gas usage for air conditioning (from fiscal ended March 2008 levels)	
• 2% reduction in plastic bag purchases (from fiscal ended March 2008 levels)		

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Station buildings and shopping centers	Shonan Station Building Co., Ltd.	• 2% reduction in energy through measures including the optimal operation of a central control unit, a variable air volume control facility for air conditioners, and a cooling water pump inverter control facility usage (from fiscal ended March 2005 levels)
		• A reduction in electricity usage exceeding 50% through the use of fluorescent-type LED lighting in multilevel parking facilities in fiscal ending March 2010 (from fiscal ended March 2008 levels)
	JR East Department Store Co., Ltd.	• Maintenance of fiscal ended March 2008 industrial waste levels
		• 1% reduction in electricity usage (from fiscal ended March 2008 levels)
	JR Tokyo West Development Co., Ltd.	• 6% reduction in CO ₂ emissions (for the Kokubunji store) and a 1.8% reduction (for the Hachioji store)* based on a 5-year plan for fiscal ending March 2006 to 2010
	Utsunomiya Station Development Co., Ltd.	• 2% reduction in usage of paper resources
	Mito Station Development Co., Ltd.	• 30% overall recycling rate for fiscal ending March 2011
		• 20% reduction in plastic bag purchases in fiscal ending March 2011 (from fiscal ended March 2008 levels)
		• 100% green purchase rate in fiscal ending March 2011
	Kinshicho Station Building Co., Ltd.	• 20% recycling rate for food waste
	Chiba Station Building Co., Ltd.	• 1% annual reduction in CO ₂ emissions
		• 50% recycling rate for general waste
		• 80% recycling rate for industrial waste
Hirosaki Station Building Co., Ltd.	• 1% annual reduction in CO ₂ emissions	
Station Building Midori Co., Ltd.	• 5% reduction in electricity and gas usage for the Nagano store (from an average of fiscal ended March 2004 to March 2006)	
	• 8.4% reduction in electricity and kerosene usage for the Matsumoto store (from an average of fiscal ended March 2004 to March 2006) (6.18% total reduction for Nagano and Matsumoto stores)	
Office services	JR East Building Co., Ltd.	• 1 - 3% reduction in CO ₂ emissions for Shinagawa East Building, JR Ebisu Building, and JR Tokyu Meguro Building for fiscal ending March 2006 through March 2010
Hotels	Nippon Hotels Co., Ltd.	• Maintenance of current CO ₂ emission reduction rates (7.2% for Hotel Metropolitan and 6.1% for Hotel Metropolitan Edmont)
		• 1% improvement in recycling rate for general waste
		• Maintenance of 91% recycling rate for industrial waste
	Takasaki Terminal Building Co., Ltd.	• 5% reduction in electricity for office computers (from fiscal ended March 2008 levels)
	Sendai Terminal Building Co., Ltd.	• An energy saving of more than 1% for the basic energy unit (from fiscal ended March 2008 levels)
		• 100% use of recycled paper
	Morioka Terminal Building Co., Ltd.	• 40% reduction in CO ₂ emissions from automobiles (from fiscal ended March 2008 levels)
		• 10% reduction in general waste (from fiscal ended March 2008 levels)
• Recycling rate exceeding 25% for general waste		
Akita Station Building Co., Ltd.	• 1% annual reduction in copy paper usage (targeting 95% of fiscal ended March 2008 levels)	
Hotel Metropolitan Nagano Co., Ltd.	• No increase in electricity usage	
Retail sales and food and beverage operations	JR East Retail Net Co., Ltd.	• 25% increase in recycling rate through the conversion of food waste to electricity
	Nippon Restaurant Enterprise Co., Ltd.	• 40% food recycling rate (as outlined in the revised Food Recycling Law)
		• 210t reduction in annual CO ₂ emissions through the replacement of disposable chopsticks (annual use is approximately 22 million chopsticks) with eco chopsticks in fiscal ending March 2010 (from fiscal ended March 2008 levels)
	JR East Food Business Co., Ltd.	• Increase in food recycling rate to 24% by fiscal ending March 2011
		• 113t approximate reduction in annual CO ₂ emissions through the replacement of disposable chopsticks (annual use is approximately 12.5 million chopsticks) with eco chopsticks (from fiscal ended March 2008 levels)
Delicious Link Co., Ltd.	• An increase exceeding 20% in the food waste recycling rate	

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Retail sales and food and beverage operations	JR East Station Retailing Co., Ltd.	• 10% increase in recycling rate for industrial waste (from fiscal ended March 2008 levels)
	JR East WATER BUSINESS Co., Ltd.	• 25% reduction in electricity consumption through the introduction of 1,600 new energy-saving vending machines (from fiscal ended March 2008 levels)
		• Introduction of 1,000 3-slot trash boxes for large vending machines to promote sorted trash collection
Trading and distribution services	East Japan Railway Trading Co., Ltd.	• 100% green purchase rate
	JR East Logistics Co., Ltd.	• 1% increase in energy-efficiency through eco-driving(from fiscal ended March 2008 levels) • 0.01% improvement in idling rates (from fiscal ended March 2008 levels)
Travel agency and car rental	JR East VIEW Travel Service Co., Ltd.	• 10% reduction in office paper usage (from fiscal ended March 2008 levels)
	JR East Rental & Lease Co., Ltd.	• 2% reduction in electricity, water, and copy paper usages (from fiscal ended March 2008 levels)
Sports and leisure services	JR East Sports Co., Ltd.	• 1% reduction in annual electricity and gas usages(from fiscal ended March 2008 levels) • 100% use of recycled paper
	Gala Yuzawa Co., Ltd.	• 10,000kg annual reduction in CO ₂ emissions(from fiscal ended March 2008 levels)
Real estate management	JR East Urban Development Corporation	• 1% reduction in general waste (from fiscal ended March 2008 levels)
		• 1.5% reduction in water usage (from fiscal ended March 2008 levels)
• 2% reduction in copy paper usage (from fiscal ended March 2008 levels)		
	JR East Housing Development & Realty Co., Ltd.	• Improvement in industrial waste recycling rate (targeting a 75% recycling rate for fiscal ending March 2011)
Information, accounting and personnel-related services	JR East Japan Information System Company	• 3.5% reduction in electricity usage by the end of fiscal March 2012 (from fiscal ended March 2008 levels)
		• 1% reduction in automobile fuels by the end of fiscal March 2012 (from fiscal ended March 2008 levels)
		• 90% recycling rate for paper resources by the end of March fiscal 2012 (from fiscal ended March 2008 levels)
		• Commitment to Team Minus 6% by 60% of all employees by the end of fiscal March 2011 (from fiscal ended March 2008 levels)
	JR East Netstation Co., Ltd.	• 1% reduction in general waste (from fiscal ended March 2008 levels)
	JR East Personnel Service Co., Ltd.	• 100% use of recycled paper by fiscal ending March 2011
Advertising and publicity	East Japan Marketing & Communications, Inc.	• 3% reduction in copy paper purchases in fiscal ending March 2010 and 5% reduction in fiscal ending March 2011 (from fiscal ending March 2009 levels)
		• 3% reduction in electricity usage in fiscal ending March 2010 and 5% reduction in fiscal ending March 2011 (from fiscal ending March 2009 levels)
		• 3% reduction in general waste in fiscal ending March 2010 and 5% reduction in fiscal ending March 2011 (from fiscal ending March 2009 levels)
		• Recycling rate of more than 40% for general waste in fiscal ending March 2010 and 2011
		• More than 1 environment-friendly plan proposal in each of fiscal ending March 2010 and 2011
	• Proposals for environment-friendly materials numbering in excess of 50 in fiscal ending March 2010 and 100 in fiscal ending March 2011	
	Tokyo Media Service Co., Ltd.	• 6% reduction in electricity usage for the 4,157.9m ² total floor space for workshops and offices in fiscal ending March 2013 (from fiscal ended March 2008 levels)
	The Orange Page, Inc.	• Use of eco-paper for printed publications (15% use of recycled papers for Orange Page)
Cleaning services	Railway Servicing Co., Ltd.	• A green purchase rate of more than 30%
	Kanto Railway Servicing Co., Ltd	• 100% use of recycled paper (from fiscal ended March 2008 levels)
		• 10% reduction in paper use for conference materials (from fiscal ended March 2008 levels)
	East Japan Railway Servicing Co., Ltd.	• 5% reduction in copy paper usage (from fiscal ended March 2008 levels)

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Cleaning services	East Japan Eco Access Co., Ltd.	• Number of offices with standard consumption of floor-cleaning detergent: 100%	
		• Number of offices with standard consumption of wax: 100%	
		• Recycled paper usage rate for copy paper: 100%	
		• 20% reduction in the number of cleaning products used (from fiscal ended March 2005 levels)	
		• 3% reduction in electricity usage (from fiscal ended March 2006 levels)	
	Takasaki Railway Services Co., Ltd.	• 10% reduction in gasoline usage for automobiles (from fiscal ended March 2008 levels) • 5% reduction in copy paper usage (from fiscal ended March 2008 levels)	
	Mito Railway Servicing Co., Ltd.	• 100% usage of recycled paper • 90% green purchase rate	
	Chiba Railway Servicing Co., Ltd.	• 10% reduction in gasoline usage for automobiles (from fiscal ended March 2008 levels)	
	JR Technoservice Sendai Co., Ltd.	• 70% recycling rate for general waste from business activities for all offices • Maintenance of 100% usage rate of environment-friendly detergent for outside panels of railcars • Maintained use of glass coating for flooring of E2 and E4 Series electric trains of the Shinkansen General Rolling Stock Center (No use of separating materials for floor wax)	
		East Japan Amenitec Co., Ltd.	• 5% reduction in electricity usage (from fiscal ended March 2008 levels)
	Akita Clean Servicing Co., Ltd.	• 70% green purchase rate for office supplies by fiscal ending March 2010 • Replacement of company cars by fuel-efficient cars	
	Niigata Railway Servicing Co., Ltd.	• 43% recycling rate for general waste • 100% usage of recycled paper for office	
	Nagano Railway Servicing Co., Ltd.	• 7% reduction in plastic bag usage for trash collection (from fiscal ended March 2006 levels) • 5% increase in paper recycling rate to promote reductions in waste (from fiscal ended March 2006 levels)	
		Shinnihon Linen Co., Ltd.	• A green purchase rate exceeding 30% • Recycled paper usage exceeding 90%
	Construction	JR East Consultants Company	• Completion of 5 rooftop forestation undertakings
JR East Design Corporation		• 70% green purchase rate • 100% use of recycled paper for office	
JR East Facility Management Co., Ltd.		• 1% reduction in energy consumption for electricity, gas, and fuel oils (kJ/m ² per year) (from fiscal ended March 2008 levels)	
JR East Mechatronics Co., Ltd.		• Development of EM10 multiple ticket vending machines; 40% reduction in electricity consumption in comparison with existing EP1 type • 5% reduction in copy paper usage (from fiscal ended March 2007 levels) • 100% usage of recycled paper	
		Union Construction Co., Ltd.	• 5% reduction in paper usage (from fiscal ended March 2008 levels)
		East Japan Transport Technology Co., Ltd.	• More than 30% reduction in CO ₂ emissions through the introduction of energy-saving equipment in facility renewals (compared with existing facilities) • 30% green purchase rate for office and other supplies
Tohoku Kotsu Kikai Co., Ltd.			• 100% usage of recycled paper for copy paper • 15% reduction in paper usage by fiscal ending March 2011 (from fiscal ended March 2008 levels) • 10% increase in green purchase rate by fiscal ending March 2011 (from fiscal ending March 2009) • 5% increase in energy-efficiency through eco-driving by fiscal ending March 2011 (from fiscal ended March 2008)

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Construction	Niigata Rolling Stock Machinery Co., Ltd.	• More than 8% reduction in electricity usage by fiscal ending March 2012 (from fiscal ended March 2008 levels)
		• More than 8% reduction in utility gas usage by fiscal ending March 2012 (from fiscal ended March 2008 levels)
		• More than 10% reduction in copy paper usage by fiscal ending March 2012 (from fiscal ended March 2008 levels)
		• Recycled paper usage exceeding 90% by fiscal ending March 2011 (from fiscal ended March 2008 levels)
Group companies by branch offices	JR Tokyo Planning & Development Co., Ltd.	• 1% reduction in electricity usage (from fiscal ended March 2008 levels)
	JR Kanagawa Planning & Development Co., Ltd.	• 30% green purchase rate
	JR Kaiji Planning & Development Co., Ltd.	• 30% recycling rate for general waste by fiscal ending March 2011
	JR Utsunomiya Planning & Development Co., Ltd.	• 100% usage of recycled paper for copy paper and business cards
		• 100% two-sided printing of conference materials
		• 100% usage of recycled paper for receiving faxes and for memo pads
		• 100% sorted trash collection
	JR Takasaki Trading Co., Ltd.	• 75% recycling rate for various mill ends in manufacturing
		• 1% annual reduction in CO ₂ emissions for company gasoline-powered cars (from fiscal ended March 2008 levels)
	Mito Service Development Co., Ltd.	• 10% reduction in electricity costs (from fiscal ended March 2008 levels)
		• 100% use of recycled paper and 20% reduction in copy paper usage for all worksites (from fiscal ended March 2008 levels)
	Keiyo Planning & Development Co., Ltd.	• 0.7% reduction in electricity usage (from fiscal ended March 2008 levels)
		• 100% use of recycled paper for copy paper and business cards
		• 40% reduction in copy paper through two-sided printing of conference materials (from fiscal ended March 2008 levels)
		• 100% individual commitment to Team Minus 6% (all employees at Head office)
Tohoku Sogo Service Co., Ltd.	• 10% reduction in food waste by fiscal ending March 2011 (from fiscal ended March 2008)	
Juster Co., Ltd.	• 30% recycling rate for industrial waste	
JR Atlis Co., Ltd.	• 10% reduction in copy paper usage by fiscal ending March 2010 (from fiscal ended March 2008 levels)	
Tokky Co., Ltd.	• 24.4% reduction in energy consumption (electricity, gas, etc.) and 27% reduction in CO ₂ emissions at CoCoLo Nagaoka (from an average of fiscal ended March 2002 to 2004)	
	• 43% companywide recycling rate for general waste by fiscal ending March 2011	
Shinano Enterprise Co., Ltd.	• 20% My-Bag usage at Seisen Ichiba (Fresh Food Market) JC store	

* Targets listed have been set by each individual group company.

* Targets set by each group company are generally those to be achieved within fiscal ending March 2009. Some targets are set to be achieved in and after fiscal ending March 2010.

* Targets have not been included for Iwaki Chuo Station Building Co., Ltd. as the company is scheduled to be dissolved.

* Targets have not been included for JR East Green Partners Co., Ltd. as the company was established in April 2008.