

# Moving Up a Gear in Seven Areas



## 3 Taking a positive and long-term approach to global environmental problems

### 01 We will reduce total CO<sub>2</sub> emissions of railway operations 50% by fiscal 2031 compared with fiscal 1991 levels

We will reduce total CO<sub>2</sub> emissions 32% by fiscal 2018 compared with fiscal 1991 levels.

### 02 Aiming to lighten the burden placed on the environment by railways, we will use bold ideas to achieve world-leading technology

Aiming to be at the forefront of the world's environmental railway technology, we will establish the "Environmental Technology Research Center" (provisional name). The center will expertly research and develop technology themes that contribute to the alleviation of global environmental problems in the railway sector, including the development of new-energy railway systems and the reduction of the overall environmental burden from the production of facilities and railcars through to their disposal.

We will take steps aimed at changing over as far as possible from fossil fuels to such reusable energies as wind power and solar power generation.

We will begin building a model railway station with a view to achieving energy-saving "eco stations" that incorporate a variety of technologies for preserving the environment, including solar power generation, LED lighting, natural wind usage, and replanting or greening.

We will reduce the amount of energy used for running trains by changing over to energy-saving railcars and stepping up the introduction of hybrid railcars.

We will reevaluate and regenerate railway forests, which have a history spanning more than 100 years.

### 03 We will create a public transport system that rivals the convenience of private cars through collaborations with local authorities and other transportation operators

Aiming to reduce the total CO<sub>2</sub> that society produces by encouraging more customers to choose railways, we will create convenient connections through collaborations on the facilities-and-equipment side and the operational side with local authorities and other transportation operators (railways, buses, taxis).

We will establish a "railway eco club" (provisional name), which will encourage customers that use our railway network to work with us in activities to preserve the global environment.

