Progress of NEC Group "Environmental Management Action Plan 2017/2030" and New Objectives for Climate Change

In fiscal 2011, we established NEC Group "Environmental Management Action Plan 2017/2030," which defines mid- and long-term environment management targets. In addition, we have been working on new targets to strengthen our contribution to combating climate change since last year.

NEC Group Environmental Management Action Plan 2017/2030 includes specific targets based on three key perspectives:

- low carbon emissions
- ecosystem and biodiversity preservation
- resource recycling and conservation.

One of the goals of the low carbon emissions is to contribute to a reduction in CO_2 emissions from customers and society through the provision of IT solutions. With respect to this goal, we are working to reduce CO_2 emissions by 15 million tons by fiscal 2018. During fiscal 2015, we contributed to reductions of 2.54 million tons. With this, our cumulative CO_2 emission cuts over the five years since fiscal 2011 stood at 11.71 million tons. Therefore, we are making good progress toward achieving the 15-million-ton goal.

Another low-carbon target is to reduce CO_2 emissions during the use of our products by improving their energy efficiency. In this regard, NEC aims to achieve an 80% reduction by fiscal 2018 compared with that for fiscal 2006 products. In fiscal 2015, the reduction was already 91%, which was significantly higher than the target. This reduction was primarily due to the growth in shipments of network equipment with extremely high energy-efficiency improvements.

From the perspective of ecosystem and biodiversity preservation, over 9,880 employees worldwide have participated in social contribution activities associated with such preservation. In addition, NEC added three new solutions utilizing our advanced technologies and products to contribute to the preservation of biodiversity. These include a solution that supports the destruction of invasive foreign species and a cultivation management portal. As a result, we now have a total of nine solutions for biodiversity preservation.

With respect to resource recycling and conservation, one target is to expand the application of NEC's NeCycle® bioplastic. NEC is making progress with this, including NeCycle® usage in base units for point-of-sale (POS) terminals.

Last year, NEC began initiatives to increase our contributions to "adaptation" to climate change in addition to furthering our contributions to curbing greenhouse gas emissions (or the "mitigation" of climate change). These include preparing for natural disasters, food shortages, water shortages, and other problems that are on the rise due to the impacts of climate change.

With respect to the mitigation, we started measures to reduce the overall supply chain emissions involving our Tamagawa Plant. To do so, we integrated the management of energy at the community level, increased the accuracy of Scope 3 data by strengthening collaboration with suppliers, and enhanced reliability through third-party verifications. With respect to the adaptation, we have created a brochure that explains specifically, and in simple language, how IT can help with adaptation. We then began to bolster our solutions contributing to adaptation and started a trial to quantitatively assess the level of contribution of the solutions. Through these initiatives, NEC is working toward achieving a new environmental management target for CO_2 reductions that is five times greater than that for the overall CO_2 emissions from our entire supply chain by fiscal 2020.