

We are directly engaging environmental issues,
ready at all times to consider new steps,
which we meticulously implement.
This report provides facts and figures detailing the results
on our path into the future as a corporate member of the global community.

We will enhance the free exchange of information about the environment.
From this dialogue, we will strive to discern the new steps we must take and
how we can most effectively integrate them into our management.
In doing so, we will thoroughly and publicly disclose our actions,
thereby opening an avenue of mutual understanding
between the NTT Group and society.

This is ecommunication.

Cover Page Notes:

The NTT Group believes that environmental protection activities are a vital human concern that must be addressed on a global scale. Although these activities must be implemented as part of corporate responsibility, we believe action must be taken not only from the perspective of the corporation, but also from a global outlook. We expressed such a thought greatly in the term “ecommunication,” thus the strong determination of NTT Group in tackling environmental protection issues is being shown.

Toward increasing genuine corporate value

At present, corporate activities have two sides. While corporations are carrying out activities to provide convenience, abundance and comfort to society, they are also generating harmful by-products which endanger our common prosperity and contribute to global warming and the destruction of the ozone layer.

Lately, the theme of “sustainable development” has been taken up as a major subject in companies who will succeed and continue to take part in the “corporate citizenship” of society. This is because the notion that these two divergent features of corporate activities should be simultaneously evaluated has grown into mainstream thinking.

Although the NTT Group makes many widespread and diverse contributions to society, we cannot deny that in doing so we place a large load on the environment. We have a slogan, “Global Information Sharing Corporate Group,” in the “NTT Group Three-Year Business Plan.” Furthermore, the creation of a broadband (HIKARI) market as an important mainstay of our future business will, for example, include ubiquitous services using integrated wire and wireless technologies. By providing these services, we intend to develop corporate activities that will enrich the communication of people and contribute innovations to the industrial system. On the other hand, loads on the environment such as increased energy and resources consumed in networks, servers, and terminals will inevitably expand.

However, it is not impossible to create new businesses while we are continuously striving to reduce the environmental burden.

If our research and development staff and all NTT Group employees make sincere efforts together with manufacturers and customers, we will surely accomplish our goals. We also take it for granted that our appeal and leadership of such efforts are our responsibility as a corporate member of society.

The NTT Group considers it ideal that a contribution to the environment is not meant to restrict corporate activities while focusing on a reduction of expenditures, but to generate a creative business that will positively contribute to industrial development while promoting environmental protection. These activities will help to solve environmental problems, they will create new industries, and they will contribute to the progress of Japan’s economy.

We would appreciate your inspection of this Environmental Protection Activity Report 2002, which we believe explains our attitude and concerns about the environment.

Furthermore, we welcome your candid opinions and advice. These valuable voices will be seriously considered for positive application to our future business activities.



Norio Wada

Norio Wada
President,
NIPPON TELEGRAPH AND TELEPHONE
CORPORATION

Guidelines Used to Edit this Report

- The Environmental Protection Activity Report 2002 has been compiled from data collected from April 1, 2001 to March 31, 2002, and also includes activities after April 1, 2002 as well as our future plans.
- The NTT Group’s 2002 Environmental Report amalgamates the 2001 data collected mainly from NTT (holding company), NTT EAST, NTT WEST, NTT Communications, NTT DoCoMo’s nine companies, NTT DATA, NTT FACILITIES, and NTT COMWARE. Furthermore, data before 1999 was collected from the NTT Group prior to its restructuring, the details of which are included in the data file section of this report.
- The NTT Group undertook unique report guidelines in 2000 based on various guidelines suggested for environmental reports. Attempts were made to use the guidelines of the Ministry of the Environment and the guidelines of GRI (Global Reporting Initiative), which typify worldwide trends, as models for information disclosure that include social and economic aspects together with a report of environmental activities that have been tried in the past. Although the guidelines referred to in this year are the same as in the previous year, there is greater emphasis on sustainability, and certain aspects of the message to investors are also stressed. We consider this year important in determining the quality, characteristics, and role of future reports on environmental protection activities.
- The “NTT Group Environmental Accounting Guidelines (2002 Version)” was compiled and used as a reference tool.
- The amount of CO₂ emissions calculated from customer facilities installed in Group companies were reported separately. Similarly, in the 2001 report, emissions caused by data center operations, were also acknowledged.
- The NTT Group’s environmental activities have largely been disclosed on our website. It consists of a list of questions that visitors can search easily. Please refer to the website map at the end of the report for further details. This booklet version contains a minimum of essential information and data. The size was reduced to half of the previous year’s version due to a heightened consideration toward paper resource conservation. We continue to implement activities covered in the 2001 report that are not included in the 2002 edition.
- Although third party certification of NTT Group’s Environmental Report was not implemented, we regard this report as an honest and unbiased account, and an essential communication tool.
- Names of organizations are as of March 31, 2002.

August 2002

Activities Covered in the 2001 Report Not Included in the 2002 Edition

Action Plan	Page	Items
Utilizing the IT Revolution to Benefit Environmental Preservation	6	What is the IT Revolution?
	8	IT Revolution and Global Warming
	10	Predictions of the Amount of Electricity Consumption
Tackling Environmental Issues with an Expanded Use of IT	12	IT-driven Factory Changes Videoconferencing Intelligent Transport System (ITS)
R&D and Environmental Education	14	Environmental Education Using WebAngel Electronic Field Notebook Cherry Blossom Research
Paper Resource Measures	25	Invoice Envelope Using OPS Film
Preventing Global Warming	27	Environment-Friendly Facility “Forest of CRED” Anti-Idling Campaign
Recycle Propulsion	28	Uniform Recycling
	29	Food (Kitchen Refuse) Recycling
Waste Measures	30	Tracking Waste Treatment Procedures by GPS
Protecting the Ozone Layer	31	Replacement of Turbo Freezers and Maintenance of Internal CFC Banks
Minimizing Environmental Risks	32	Research Regarding Electromagnetic Waves
Social Contributions of Group Employees	35	“Our Cities, Our Road Business” Introduction of Natural Gas Automobiles
Employee Education and Awards	36	Environmental Awards
Relationship with Society	40	Worker Relations Welfare Benefits