

# ENVIRONMENTAL STATEMENT 2007

update



Vienna head office  
Northern, Southern and Western Austria  
Branch Offices  
Data as at December 31, 2007

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# Contents

Preface	5
The OeNB's Corporate Environmental Policy	7
1. The Environmental Statement as Part of the OeNB's Sustainability Report	8
Going Ecological Is Being Economical	8
"Greening Up" the OeNB – A Review of 2007	9
2. The OeNB's Environmental Management System	10
The OeNB's Environmental Management – Clear Tasks and Responsibilities	10
The OeNB's Environmental Protection Team – An Efficient Network	10
Environmental Auditing at the OeNB – A Transparent and Reliable System	11
3. Green Success Stories at the OeNB	11
Carbon Neutrality and Climate Protection – Joint Efforts for Sustainability	11
Prudent Energy Management Reduces Energy Consumption and Saves Costs	12
Recycled Paper Saves Resources – Double-Sided Printing Is a Success	14
Promoting Eco-Consciousness	15
Green Procurement – A Logical Choice	16
4. Development of the OeNB's Ecological Indicators	18
5. The OeNB's Green Performance in 2007 and Environmental Program for 2008	20
6. External Auditors' EMAS Certificate	22
7. Global Reporting Initiative – Content Index	23



# Preface



## ***Working Together for a Livable Future***

*Climate change is on everyone's mind – and everyone feels it. Especially in recent years, people have come to understand that an unchecked rise in greenhouse gases poses a very real threat. Globally limited and dwindling energy and commodity resources clearly show that every one of us needs to think differently, be creative and act now to secure a sustainable development. Protecting the climate is therefore a key challenge today, especially for politicians and economic policymakers, not least for social and security reasons. Telltale signs of climate change emerging in Austria, too, compel us to act swiftly and decisively.*

*Companies have an important role in counteracting climate change, as they have an opportunity to lead by example and may multiply their actions through their stakeholders.*

*The Oesterreichische Nationalbank (OeNB) is committed to sustainability and has responded to the challenge of sustainable business management for more than 20 years. As a central bank that has received several green awards and is EMAS validated, the OeNB has a pioneering role in the financial sector and within the European System of Central Banks (ESCB). With stability and security as its core values, the OeNB is committed to sustainability and is aware of its responsibility also for future generations. In line with these principles, the key objectives of the OeNB's corporate environmental policy are: saving energy and preserving resources, pursuing a green procurement policy, preventing waste and recycling, and going fully carbon neutral.*

*Half-hearted efforts are not enough to achieve these ambitious green goals – they must be pursued with the same management resolve as the objectives for other important business areas. The OeNB's efficient environmental management system ensures that all business processes and areas in the OeNB act in line with environmental objectives. External communication of environmental protection activities is also accorded a high priority, as environmental protection is effective only as a team effort.*

*This Environmental Statement gives an account of the OeNB's green achievements, big and small. I should like to especially emphasize the OeNB's success in saving energy and in becoming fully carbon neutral. My special thanks go to the OeNB employees committed to corporate environmental protection, e.g. as environmental controllers.*

*We must all do our part to secure a healthy environment for ourselves and for future generations.*

*Peter Zöllner*

*Member of the Governing Board*

*EMAS Management Representative*



The OeNB's corporate environmental policy represents the basis of all environmental activities. The policy declaration spells out the general principles and ultimate objectives of the OeNB's environmental management and serves all staff members as a guideline for environmentally compatible behavior.

## The OeNB's Corporate Environmental Policy

The Oesterreichische Nationalbank implements the EMAS Council Regulation<sup>1</sup> and follows the EMAS principles detailed below

### 1. Sustainability

*We endeavor to range among Austria's environmentally soundest businesses. Hence, we do more than simply observe environmental protection laws and provisions; we direct corporate environmental management measures at increasing sustainability.*

### 2. Information Policy

*We pursue an open, responsible policy in providing the public with information.*

### 3. Promoting Staff Eco-Consciousness

*We promote environmental thinking and action throughout the OeNB by informing and training staff and by raising environmental awareness.*

### 4. Responsible Resource Consumption

*We endeavor to minimize negative impacts on the environment by preventing unnecessary energy and resource use while observing business management principles.*

### 5. Green Procurement

*We observe ecological criteria for purchases of products and services, especially in tenders. Moreover, we make sure that selected products are made of environmentally sustainable materials and that their life cycle complies with ecological criteria.*

### 6. Cooperation with Partners

*We cooperate with partners in implementing environmental protection measures. In addition, we network with various institutions to provide impulses beyond the OeNB's immediate scope of action.*

### 7. Research Projects

*We support selected research projects dealing mainly with ecological improvements.*

### 8. Climate Change

*We acknowledge the risks involved in climate change as a key challenge of our times and therefore strive to make the OeNB's activities fully carbon neutral in the long run.*

Klaus Liebscher  
Gouverneur

Peter Zöllner  
EMAS Management Representative

Johann Jachs  
Environmental Officer

Vienna, December 2006

<sup>1</sup> Regulation (EC) No 761 / 2001 of the European Parliament and of the Council of March 19, 2001, allowing voluntary participation by organizations in a Community eco-management and audit scheme (EMAS).

# 1. The Environmental Statement as Part of the OeNB's Sustainability Report

The OeNB's first Environmental Statement, published in 2007, has generated a substantial amount of interest and reflects the OeNB's strong commitment to sustainability, together with its certification according to EMAS (Eco-Management and Audit Scheme).<sup>1</sup>

This Environmental Statement is part of the Oesterreichische Nationalbank's Sustainability Report and does not contain, as such, all corporate information (corporate data, organization chart and the like); these details may be found in other parts of the Sustainability Report.

According to the EMAS Council Regulation, Environmental Statements must be updated yearly. The Environmental Statement 2007 is an update of the comprehensive review presented in the Environmental Statement 2006 and fulfills the EMAS requirement. It assesses the OeNB's activities in 2007 from an environmental perspective and presents an outlook on plans for 2008, the tenth year in which the OeNB will report under the EMAS standard.

## Going Ecological Is Being Economical

Everyone should be made aware that climate protection and operational efficiency do not rule each other out. Our society is now facing the great challenge of reaching ambitious climate protection goals and of enlisting everybody's support – that of researchers, corporations, policy-makers and households. Will society have the resolve to conceive and implement innovative measures to make energy use more efficient and to develop alternative energy resources?

Key economic policymakers, including the OeNB, now have the golden opportunity to serve as ecology-minded and efficiency-minded role models and to demonstrate how a company can e.g. save energy, green its offices – and yet operate efficiently.

Ecology-mindedness and operational efficiency are not mutually exclusive; much rather, they have reciprocal effects. Rising demand and economic growth contrast with the increasing scarcity of commodities. Forecasts about how long some commodities will last have been repeatedly revised downward in the more recent past. Based on current projections assuming unchanged consumption, for instance, there is clear evidence that crude oil resources will be depleted in a comparatively short period of time. Or take uranium, where the problems of limited availability are compounded by nearly insurmountable problems of disposal.

Efficient and sustainable use of resources has positive impacts both on society today and on future generations. Regionally sourced products and ecologically sound production processes create sustainable jobs and reduce haulage distances. The distances between where people live and work and where goods are manufactured and recycled are becoming smaller once again. No expensive energy imports are needed to operate such systems, which is also a boon for the trade balance. Finally, an equitable distribution of resources contributes to global security.

Climate change gives us the opportunity for "economy" in its primary definition – careful, thrifty management of resources. We must meet the challenge of dwindling resources and climate change with commitment and creativity – a higher quality of living, more equitable distribution of resources and consequently a reduced potential for global conflict will be the reward.



<sup>1</sup> In the competition for the Austrian Sustainability Reporting Awards (ASRA), the OeNB gained the sixth place for its Sustainability Report 2006.



## “Greening Up” the OeNB – A Review of 2007

The box below details which projects the OeNB implemented from its green agenda in 2007.

### **Objective: Responsible Resource Consumption**

The OeNB has been continuously reducing energy consumption per employee since 2001. Improved energy management enabled the OeNB to successively cut energy consumption from 9.2 MWh per employee per year in 2001 to corresponding values of 8.3 MWh in 2005, to 8.0 MWh in 2006 and to 7.7 MWh in 2007 (see the chapter “Green Success Stories at the OeNB”).

### **Objective: Green Procurement**

OeNB purchasing managers take ecological criteria into account, preferring products with ecolabels and procuring from suppliers with an environmental management system.

### **Objective: Promoting Eco-Consciousness among Employees**

OeNB staff has many opportunities to familiarize itself with environmental protection issues. Employees are encouraged to be aware of the ecological impact of their day-to-day decisions. Environmental tips are regularly published in the Sherlock EMAS column of the OeNB’s staff magazine. Tips published in the series dealt with energy saving measures, reducing the use of packaging material, waste management, reading material on environmental protection issues, and battery and CD recycling.

News items dealing with environmental protection issues are e-mailed to staff. Environmental consciousness is also promoted with events organized at the OeNB, e.g. the screening of Al Gore’s movie “An Inconvenient Truth,” the distribution of leaflets on solar energy on May 4, 2007, (proclaimed the day of the sun in Austria) and the distribution of brochures on the topic mobility on September 22, 2007, Car-Free Day. Moreover, the environmental controllers network at regular monthly meetings of the environment team, the main forum for exchanging experience and passing on information.

### **Objective: Information Policy – Improving External Communications**

In 2007, numerous lectures were held at schools, and projects were carried out with students. Also, university and college students more frequently requested information about the OeNB’s environmental management. The EMAS logo now appears on all OeNB publications.

### **Objective: Cooperation with Partners**

In its environmental policy, the OeNB acknowledges the risks involved in climate change and contributes to reducing its impact by aiming to become carbon neutral. To this end, the OeNB – together with the World Wildlife Fund – initiated flood control projects and projects to renaturalize regulated river courses. A benchmarking brochure was compiled together with the Austrian Society for Environment and Technology and was presented at a press conference held by OeNB Executive Director Peter Zöllner.

### **Objective: Research Promotion**

The OeNB Anniversary Fund for the Promotion of Scientific Research and Teaching (Anniversary Fund) provides funding for projects approved in the review process. The Environmental Officer and the Environmental Coordinator contribute their expertise to the assessment of environment-related projects in the course of this review.

## 2. The OeNB's Environmental Management System

The OeNB's well-organized, transparent environmental management system has achieved notable success in implementing the OeNB's environmental policy in recent years.

### **The OeNB's Environmental Management – Clear Tasks and Responsibilities**

- The OeNB's EMAS management representative, Peter Zöllner, a Governing Board member of the OeNB, is in charge of determining environmental policy and ensures that the OeNB complies with the obligations delineated in the EMAS Council Regulation – e.g. compliance with laws, establishment and pursuit of environmental objectives, continuous improvements.
- The OeNB's Environmental Officer, Hans Jachs, is entrusted with the design of environmental policies and with the implementation of the OeNB's environmental management system in practice. He also has the power to authorize environmental policy-related documents.
- The OeNB's Environmental Coordinator, Martin Much, is in charge of implementing operational measures as provided for in the OeNB's environmental program and is responsible for environmental auditing.
- The environmental controllers in the various divisions and at the branch offices contribute to implementing as well as continuously fine-tuning the environmental program. They are the contacts and motivators for environmental protection issues in their departments and provide information about relevant issues in their divisions to the entire team.
- The environmental auditors are specially trained OeNB staff members that conduct environmental audits at the OeNB.
- OeNB environmental experts on waste management and waste disposal, energy and water management (technical services) and safety engineering support the environmental protection team.

### **The OeNB's Environmental Protection Team – An Efficient Network**

The OeNB's environmental protection team comprises the environmental controllers in the divisions and branch offices, the Environmental Officer and the Environmental Coordinator. They get together for regular monthly meetings, consulting with the environmental controllers at the branch offices by phone.

The regular monthly meetings have become a great success over the years. They serve to channel current information and to enlist staff support for OeNB-wide environmental protection campaigns. Lectures and documentary films provide training and give participants a knowledge advantage. Continuity and preparation as well as follow-up activities are important aspects of the regular meetings: The agenda is sent to all participants for preparation, and the minutes of the meetings are circulated to interested parties by e-mail and stored in a centrally accessible file – thus keeping informed all those that were not able to participate in the meeting, as well as serving follow-up purposes.

Although the tenth year in which the OeNB will report under the EMAS standard has begun, there is still considerable room for improvement. In fact, the regular involvement with environmental protection issues gives rise to new ideas time and again, which are adopted, become part of the environmental program, and are implemented.



## Environmental Auditing at the OeNB – A Transparent and Reliable System

To steadily improve its environmental performance, the OeNB has put in place an environmental auditing scheme. Within this scheme, input and output data and consumption values are compiled on a regular basis. These data are analyzed using time series as well as internal and business sector-specific benchmarks. Furthermore, environmental reviews are made and the implementation of the environmental program is monitored regularly. The OeNB's EcoControl ecological database serves as the centralized information tool for the environmental protection management system and environmental auditing; every member of the environmental protection team has access to this database. OeNB staff may find information about environmental protection issues primarily on a dedicated Intranet site. Additionally, roughly one-quarter of all suggestions for improvement submitted by staff are related to environmental protection.

## 3. Green Success Stories at the OeNB

In February 2008, the OeNB was nominated for the Green Awards of the Municipality of Vienna in the category "innovation" and received an award for its outstanding achievements in corporate environmental management. This award honored the OeNB for its companywide commitment to responsible resource consumption, through which it has implemented energy-saving projects, invested in future technologies and conducted regular monitoring.

The ECB has labeled the OeNB an eco pioneer and as a role model for other national central banks.

Finally, the OeNB has been included on the website of the Austrian Business Council for Sustainable Development (respACT) as a sustainable company.

## Carbon Neutrality and Climate Protection – Joint Efforts for Sustainability

### Going for Carbon Neutrality

The OeNB acknowledges the risks involved in climate change as a key challenge of our times and has therefore set itself the objective of making its activities fully carbon neutral in the long run, as reflected in its corporate environmental policy declaration in 2006.

In line with this objective, the OeNB takes measures suited to reducing CO<sub>2</sub> emissions and neutralizing the remaining emissions by climate protection projects.

In financing climate protection projects, the OeNB sets especially great store by local climate protection, which is why it invests not in CO<sub>2</sub> certificates, but rather in projects that counteract the effects of climate change directly in Austria.

### OeNB Measures

The OeNB is running a project with a title that translates roughly as "Joint Efforts for a Stable Climate." It comprises three pillars:

- Reducing the OeNB's CO<sub>2</sub> emissions: Measures taken to specifically reduce CO<sub>2</sub> emissions include saving energy by optimizing energy system controls, using a low-energy cooling system instead of conventional air conditioning, using district heating, conducting surveys on mobility management, distributing information leaflets on solar energy on the day of the sun in Austria, and circulating information to staff about the right method for airing out rooms. These measures enabled the OeNB to reduce CO<sub>2</sub> emissions in 2006 to roughly 3,000 tons and to about 2,850 tons in 2007.

- Investment in green flood control projects: Temperatures in Austria have risen by about +1.8°C in the 20<sup>th</sup> century,<sup>2</sup> which is clearly higher than the world-wide global warming average. Apart from affecting Austrian flora and fauna, global warming has caused massive flooding, landslides and melting of glaciers. In view of these developments, the OeNB provides financial support to flood protection projects at the Inn and Traun rivers.
- Information activities together with partners: cooperation activities are underpinned by various public relations and communications activities. For example, the OeNB together with the World Wildlife Fund held a press conference to present the flood control project “Our Inn River.”

### **Flood Control Project “Our Inn River”**

The “Our Inn River” flood control project was completed in December 2007.

### **“Obere Traun” Flood Control Project**

The reestablishment of the unobstructed flow of the upper Traun river is the main object of the “Obere Traun” flood control project. OeNB funding helps connect the mouth of the Rettenbach stream to the Traun river at Bad Ischl. The connection of this important tributary of the Traun is in the planning stage; the project is scheduled for implementation in 2008.



*photo: before and after the renaturalization of the Inn river*

## **Prudent Energy Management Reduces Energy Consumption and Saves Costs**

In 2005, the OeNB’s energy consumption at the Vienna site still came to some 11.9 million kWh, with electricity consumption accounting for 63% and environmentally friendly district heating for 37%. Gas heating is used only in the Western Austria branch office in Innsbruck.

In terms of the number of employees, electricity consumption came to 8,310 kWh per employee in 2005; district heating consumption came to 66 kWh per m<sup>2</sup> of floor space.

Comprehensive measures to improve energy efficiency and specially targeted projects have since reduced these values substantially:

- Energy consumption at the Vienna premises was cut to 9.9 million kWh in 2007.
- Electricity consumption per employee was decreased by 4% to 7,690 kWh in 2007.
- District heating consumption per m<sup>2</sup> of floor space was reduced by 4% to 45 kWh in 2007. District heating consumption fell partly because the winter of 2006–2007 was mild.

<sup>2</sup> See publications e.g. of the Federal Ministry of Agriculture, Forestry, Environment and Water Management, available in German at <http://publikationen.lebensministerium.at/>.

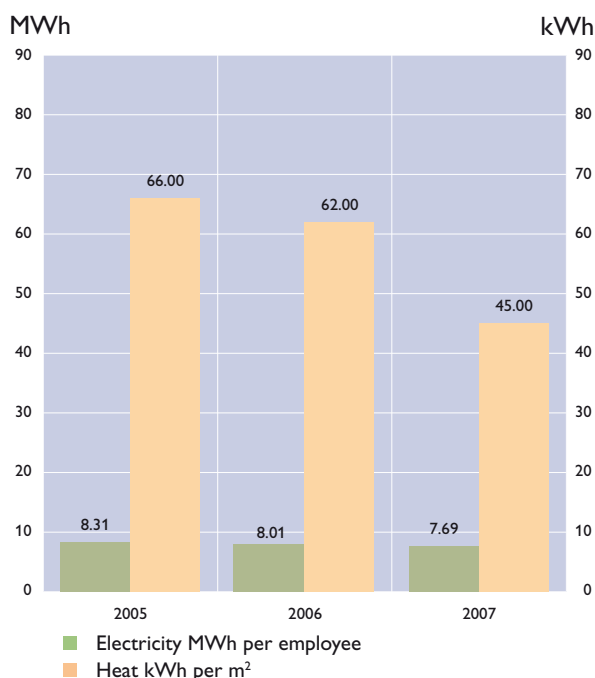
## Energy Saving Measures in Facility Management in 2007

All light bulbs in the Vienna buildings were replaced by low-energy light bulbs, light activation times in halls and stairwells were optimized, and motion sensor-controlled lighting was installed in the bathrooms.

Air flow in the high-energy use climate control and ventilation was adjusted, and air supply/exhaust air fan controls were calibrated to actual requirements. The circulating air coolers in the archives and IT facilities were optimized to prevent temperature fluctuations during dehumidification. Further optimization of the compressed air system and air flow control of the office ventilation system complete the comprehensive set of energy-saving measures comprising numerous very detailed observations and activities. Among other things, these measures include a complex metering and measurement concept and training for the energy management staff. One OeNB employee was trained as a European Energy Manager.

Chart 1

## OeNB Electricity Consumption and District Heating from 2005 to 2007



Source: OeNB.

## Energy Saving Measures Implemented in OeNB Offices in 2007

The OeNB attaches great importance to efficient use of resources in its offices. As a case in point, the OeNB stopped using disposable batteries for office appliances a long time ago, and switched to rechargeable batteries for optical computer mice, keyboards, clocks etc. The OeNB operates a desk where employees may nonbureaucratically exchange discharged batteries for recharged batteries. High-quality rechargers at this desk ensure that enough recharged batteries are available and that recharging is energy efficient and low-impact for batteries.

The energy manager has produced a folder describing standards and containing tips informing employees how they can help save energy in operating lights, computers and computer screens – e.g. by switching off appliances selectively – and in airing rooms.

These measures help reduce CO<sub>2</sub> output while saving costs.



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## To sum it up, the OeNB improved energy efficiency by implementing the following projects and optimization measures:

- Use of low-energy light bulbs and motion sensors
  - Optimization of the operation times and air flow of ventilation systems, e.g. in the General Council meeting room in the head office, and calibration of the air supply/exhaust air fan controls
  - Optimization of the circulating air coolers in the archives
  - Regular monitoring of energy consumption
  - Switch from disposable to rechargeable batteries for optical computer mice, keyboards, clocks and the like
  - Measures taken on the basis of staff suggestions for improvements submitted during a special campaign
- 

## Recycled Paper Saves Resources – Double-Sided Printing Is a Success

The environmental management system at the OeNB has supported the use of recycled paper for 15 years. This commitment and perseverance has had an impact not just at the OeNB and at other companies that have followed the OeNB's lead but has also prompted producers and suppliers to switch to recycled paper or to make their products compatible with recycled paper on a large scale. While 15 years ago, some people may have belittled recycling paper use, it has become widely accepted today, not just at the OeNB.

This change in opinion is a big success for the environment: 1 ton of recycling paper saves 1.8 tons of timber compared to virgin fiber paper. Paper can be recycled six times, and the manufacture of recycled paper requires 80% less water than the manufacture of virgin fiber paper. Moreover, recycled paper production results in less chemical waste; only one-third of the energy needed to make virgin fiber paper is required.

90% of the paper used is recycled paper for computer printing and photocopying, the remaining 10% is correspondence paper produced by an environmentally certified paper manufacturer. This paper is also used to print the OeNB's publications, such as the Sustainability Report including this Environmental Statement, by the OeNB's Printing Office.

While most office applications work with electronic documents today, paper use is still quite high. However, the OeNB has succeeded in reducing paper use steadily in the past years from 11,830 pages of computer printing and photocopying paper per employee in 2005 to 8,669 pages in 2007. The following measures achieved this reduction by nearly 27%:

- **Double-sided printing standard**

Since 2006, every newly installed printer has been delivered to users with a double-sided print default setting.

- **Introduction of an electronic workflow system**

The system provides for selective printing; only the pages of the file that are actually required in printed form are printed.

- **Electronic filing**

After distribution, every file is stored electronically, freeing up the resources that would be needed for paper files – binders, cabinets and office space.

- **Discontinuation of the printed OeNB telephone directories**

The OeNB telephone directory is available only electronically.

Paper use has declined substantially at the OeNB Printing Office as well. In 2005, paper consumption at the Printing Office had still come to 109,241 kg (brochures, publications, envelopes and the like); it was more than halved to 45,461 kg in 2007.

The reason for this reduction is the improved management of circulation figures and the broader use of digital printing, which enables the Printing Office to print on demand. This innovation rules out overproduction and saves storage, logistics and disposal costs.

### Promoting Eco-Consciousness

One of the key challenges for the OeNB's environmental management is to raise individual employees' environmental consciousness. This has an impact not only within the OeNB, but especially in employees' lives outside of work. To this end, the environmental protection team regularly organizes Environment Days, day trips and lectures, occasionally with movie presentations. Such events included a guided tour of the

Dürrenstein wilderness area, a visit to the Waste Management plant of the Municipality of Vienna and the screening of Al Gore's movie "An Inconvenient Truth." Also, it presents environmental tips on a dedicated OeNB Intranet site. All new staff members are offered the opportunity to attend a lecture about environmental protection as part of their basic training.

### OeNB Measures

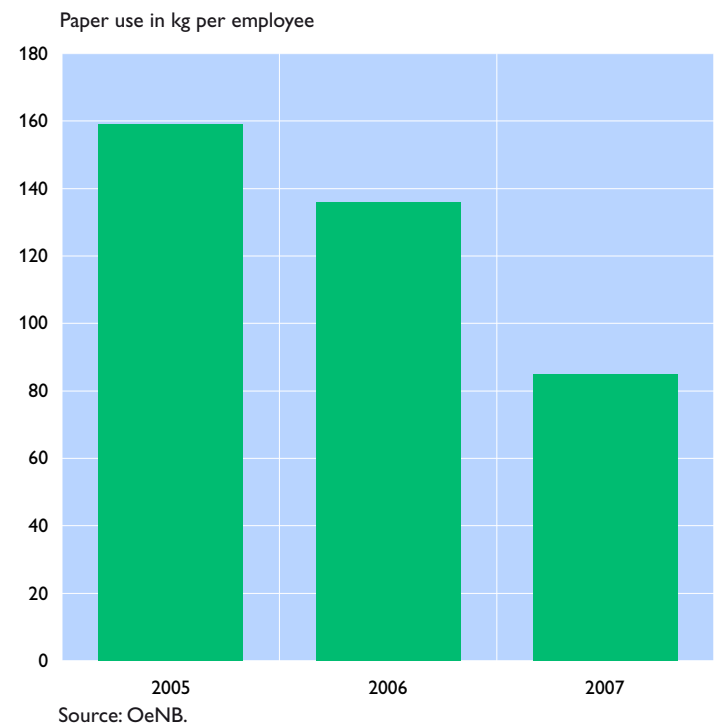
In 2007, the environmental protection team started cooperation activities with the development aid group with the object of informing the group and enlisting its involvement in environmental protection activities. The cooperative venture was presented at a monthly meeting of the environmental protection team.

The following measures served to promote environmentally friendly travel:

- Staff is urged to travel by public transport rather than by car or airplane
- The OeNB promotes regular use of environmentally friendly transportation – such as the yearly pass of the Vienna Transport Authority or the Austrian Federal Railways' discount card – with subsidies
- Publicity was made for Car-Free Day on September 22, 2007
- An additional bicycle stand was set up at the main building of the OeNB in Vienna
- The bicycle stands at the Linz and Innsbruck offices were upgraded
- All locations are principally easy to reach using public transport.

Waste management initiatives included selling – in effect recycling – banknote containers no longer in use.

OeNB Paper Use from 2005 to 2007



At the *company kindergarten*, children learn about environmental protection by doing. Children learn about responsible resource use and find out how to separate waste properly (field trip to see the Vienna Municipality's "trash monster"), they learn about healthy foods, and they learn about environmentally friendly materials and their use in objects from furniture to ecologically compatible toys. When large-scale OeNB environmental events are organized, the kindergarten is also involved, as was the case during OeNB Environment Day in 2006.

### **Multiplier Effect**

The OeNB achieves a multiplier effect by communicating through various stakeholders, reaching the public through reporters, business and industry through suppliers, and the families of staff through employees themselves. Moreover, children that are encouraged to be environmentally responsible pass this attitude on to their parents and to their brothers and sisters. The OeNB reaches out to the younger generation in particular with a view to achieving a long-term impact with its green agenda.

The volume and quality of the OeNB's green-themed information on the Intranet and Internet, the OeNB's Environmental Statement, lectures on environmental issues, and the joint project with a school in Vienna on conducting an audit under the Eco Management and Audit Scheme (EMAS) in a company all bear witness to the steady rise in people's interest in environmental topics. This information is accessed more and more both within and outside the OeNB.

Finally, an effective public relations event together with a press conference was organized together with the Austrian Network for Sustainable Management (B.A.U.M.) at IG Stadioncenter on the topic "sustainable consumption."

### **Green Procurement – A Logical Choice**

The OeNB's Procurement and Technical Services Division has been working hand in hand with the persons in charge of environmental management for many years. For example, ecological criteria are applied to tenders – minimizing energy consumption, avoiding PVC use, ensuring easy repair.

A recognized ecolabel – such as the Austrian ecolabel, the European Eco-label, the Blue Angel or The Swan (the official Nordic ecolabel) – is required for some products rather than having suppliers fulfill individual criteria.

Alternatively to the ecolabels, the suppliers are required to have a certified environmental management system. This procurement procedure was applied e.g. to the tender of printing paper and to the purchase of new office swivel chairs and remanufactured toner cartridges.

Procurement of office supplies is regularly tendered in accordance with the Federal Procurement Act (Bundesvergabegesetz 2006 – BVergG 2006) and a centralized supplier is chosen. Ecological criteria are applied to office supply procurement – the use of recycled material and of renewable primary products, the refilling of cartridges, and durability.

The division administrative staff orders office supplies via electronic procurement, or e-procurement, from a catalogue in which products are labeled with ecopoints (0 through 3 green ecopoints). This makes it possible for employees to consciously choose environmentally friendly products.

The performance of a cleaning company chosen with a tender procedure is also evaluated on the basis of ecological criteria, such as the use of environmentally compatible cleaning agents and economical use of cleaning agents as well as cleaning methods that are easy on the environment.



The cleaning company currently under contract is ISO 14000 certified, uses the spray clean method and microfiber cleaning cloths, mixes cleaning agents with water in batchers allowing for precise control, and provides regular training for its employees.

The success of this approach is reflected by the absolute minimum use of cleaning agents of 14g per m<sup>2</sup> with excellent cleaning results; regular performance checks are made.

In 2007, fruits and vegetables used at the OeNB cafeteria were chosen more according to seasonal supply. Therefore, more organic food could be bought, as it was cheaper, sometimes even more so than conventionally produced foods, in season. The introduction of Fair Trade coffee is scheduled for 2008.

Moreover, employees are regularly informed about healthy organic food free of pesticides and other toxins, e.g. MSC-labeled sustainably produced seafood (seafood certified by the Marine Stewardship Council). Employees and their families have also had the opportunity to find out more about healthy food during field trips with guided tours of orchards and herb nurseries.



## 4. Development of the OeNB's Ecological Indicators

Table 1

**The OeNB's Ecological Indicators**

	Site	2007	2006	2005	Unit	Benchmark <sup>1</sup>		
Energy consumption					MWh per employee	+	~	-
Heat consumption	Vienna	7.69	8.01	8.31	kWh per m <sup>2</sup>	< 4.5	6	> 8
Water consumption	Vienna	45	62	66		< 110	130	> 150
Water								
Water consumption	Vienna	123	131	114	l per employee per day	< 60	100	> 120
Consumption of materials and products								
Total paper consumption	All sites	85	136	159	kg per employee	< 100	200	> 500
Consumption of printing/ photocopying paper	All sites	8,669	9,624	11,830	sheets per employee	< 8,000	10,000	> 12,000
Share of recycled paper	All sites	90	90	90	%	> 30%	20%	< 10%
Consumption of cleaning agents	Vienna	14	14	22	g per m <sup>2</sup>	not available		
CO <sub>2</sub> emissions (total)								
CO <sub>2</sub> emissions <sup>2</sup>	All sites	2.63	2.82	2.87	tons per employee	< 2.8	4	> 4.5

Source: OeNB.

<sup>1</sup> Sources: Association of Environmental Management in Banks, Savings Banks and Insurance, guideline of the Austrian Society for Environment and Technology.

<sup>2</sup> From operations and business travel.

### Notes on the Indicators

Heat consumption fell partly because the winter of 2006–2007 was mild.

See the chapter “Recycled Paper Saves Resources – Double-Sided Printing Is a Success” for more information about paper consumption. The reduction in CO<sub>2</sub> emissions is traceable mainly to the lower electricity and heat consumption.

Table 2

**OeNB Transportation: Key Figures**

	2007	2006	2005
Business travel by plane	2,830,233	2,880,937	2,710,386
Business travel by car	679,871	690,204	796,439
Business travel by train	149,400	153,600	138,600
Diesel consumption for transportation	18,565	14,789	21,740

Quelle: OeNB.



Table 3

## Waste Generation by the OeNB

	Waste code number	2007 kg	2006	2005
<b>Nonhazardous materials</b>		<b>56,240</b>	<b>77,280</b>	<b>89,653</b>
Commercial waste	91101	56,000	76,280	87,273
Electronic scrap	35201	240	1,000	2,380
<b>Hazardous materials</b>		<b>14,073</b>	<b>1,300</b>	<b>1,320</b>
Lead accumulator cells	35322	11,695		
Dry-cell batteries	35325	130	300	
Nickel cadmium batteries	35323	230		
Pharmaceuticals	53510	35		30
Paints and varnishes	55502	193	100	120
Developers	52723	804	840	790
Alkaline solutions	52402	470		
Acid solutions	52102	255		
Refrigerators	35205	60		
Computer screens	31466	150		360
Cleaning solvents	55326	26	20	
Fixers	52707	25	40	20
<b>Recyclables</b>		<b>132,720</b>	<b>142,470</b>	<b>109,848</b>
Scrap paper	18718	113,040	122,650	89,360
Biogenic waste	91104	7,500	8,000	7,700
Clear glass	31468	2,700	2,750	3,400
Colored glass	31469	2,700	2,750	3,400
Plastics	57118	2,600	3,600	5,988
Scrap metal	35105	4,180	2,720	
<b>Total</b>		<b>203,033</b>	<b>221,050</b>	<b>200,821</b>

Source: OeNB.



# 5. The OeNB's Green Performance in 2007 and Environmental Program for 2008

Table 4

## The OeNB's Green Performance in 2007

	Responsible	Deadline	Site	Has the objective been reached?
<b>Reduce energy consumption by 5% a year until 2008</b>				
<p>Organizational measures to optimize energy consumption:</p> <ul style="list-style-type: none"> <li>• clear assignment of responsibility for energy consumption within the OeNB</li> <li>• agreement of annual energy consumption targets with the persons in charge</li> <li>• harmonization of operation hours with climate control and ventilation facility operation times</li> </ul> <p>Facility-related measures to optimize energy consumption:</p> <ul style="list-style-type: none"> <li>• harmonization of user needs with facility operation times</li> <li>• optimization of heating/ventilation control strategies</li> </ul>	Procurement and Technical Services Division		All sites	✓
<b>Reinforce environmental awareness</b>				
<ul style="list-style-type: none"> <li>• Expand the bicycle stands at the Innsbruck branch office</li> </ul>	Environmental Controller / IG Immobilien Gesellschaft m.b.H.	2007	Innsbruck	✓
<ul style="list-style-type: none"> <li>• Have roofing installed for the bicycle stand at the Linz location</li> </ul>	Environmental Controller / IG Immobilien Gesellschaft m.b.H.	2007	Linz	✓
<ul style="list-style-type: none"> <li>• Regularly publish articles on environmental issues in the staff magazine, including the regular column on environmental tips</li> </ul>	Environmental Coordinator	2007	All sites	✓
<ul style="list-style-type: none"> <li>• Phase out the paper version of the internal telephone book and make it available electronically only</li> </ul>	Environmental Officer / Environmental Controller	2007	All sites	✓
<b>Step up consideration of ecological criteria in procurement</b>				
<ul style="list-style-type: none"> <li>• Make ecological assessments of the major suppliers (80% to 90% of the procurement volume) (→ currently being implemented)</li> </ul>	Procurement and Technical Services Division	2007	All sites	✓
<ul style="list-style-type: none"> <li>• Obtain the Austrian ecolabel for environmentally compatible print products for the Printing Office (→ currently being implemented)</li> </ul>	Environmental Officer, Printing Office	2007	Printing Office	✓
<ul style="list-style-type: none"> <li>• Increase use of organic food at the OeNB cafeteria – purchase more fruits and vegetables in season (→ to be continued)</li> </ul>	OeNB cafeteria	2007		✓
<ul style="list-style-type: none"> <li>• Participate in tender planning</li> </ul>	Environmental Controller / Environmental Coordinator			✓
<b>Reduce emissions</b>				
<ul style="list-style-type: none"> <li>• Improve carbon neutrality by participating in related projects and by cooperating with the World Wildlife Fund (→ to be continued)</li> </ul>	Environmental Officer / Environmental Controller	2008	All sites	✓
<b>Improve external communications</b>				
<ul style="list-style-type: none"> <li>• Use the EMAS logo in all OeNB publications (e.g. the Financial Stability Report)</li> </ul>	Communications Division	2007	All sites	✓
<ul style="list-style-type: none"> <li>• Reinforce contacts to Austrian public institutions (e.g. environmental agency, Chamber of Labor) (→ to be continued)</li> </ul>	Environmental Controller	2008	All sites	✓
<ul style="list-style-type: none"> <li>• Present the OeNB's environmental protection activities at lectures and courses (→ to be continued)</li> </ul>	Environmental Controller	2008	All sites	✓
<b>Promote research and environmental projects</b>				
<ul style="list-style-type: none"> <li>• Step up support for environmental and research projects (→ to be continued)</li> </ul>	Organization Division / Investment Policy and Internal Services Department		All sites	✓
<b>Improve organization of environmental activities</b>				
<ul style="list-style-type: none"> <li>• Introduce titles of staff with environmental functions (e.g. Environmental Controller) to the OeNB's internal telephone book; provide drop-down search menu by functions</li> </ul>	Environmental Officer / Environmental Controller	2007	All sites	✓
<b>Improve waste management</b>				
<ul style="list-style-type: none"> <li>• Provide uniform waste baskets in all offices (→ to be continued)</li> </ul>	waste management expert	2007	Vienna	✓

Source: OeNB.

Table 5

## Environmental Program for 2008

	Responsible	Deadline	Site
<b>Step up consideration of ecological criteria in procurement</b>			
• Make ecological assessments of the major suppliers (80% to 90% of the procurement volume) (→ postponed from 2005)	Procurement and Technical Services Division	2008	All sites
• Obtain the Austrian ecolabel for environmentally compatible print products for the Printing Office	Environmental Officer, Printing Office	2008	Printing Office
• Introduce Fair Trade coffee in the OeNB cafeteria	OeNB cafeteria	2008	
• Participate in tender planning – take into account ecological criteria	Environmental Controller / Environmental Coordinator	2008	All sites
<b>Reduce emissions</b>			
• Draw up an environmentally friendly travel concept, review use of rail, airplane and car travel for business trips	Environmental Officer / Environmental Controller	2008	All sites
<b>Step up environmental protection activities throughout the OeNB</b>			
• Perform environmental audits of suppliers, in particular of subsidiaries	Environmental Officer / Environmental Controller	2008	All sites
<b>Develop a green IT concept</b>			
• Produce lifecycle reviews of energy and resource consumption of the OeNB's IT facilities (servers, computers, printers, etc.)	IT Operations Division / Procurement and Technical Services Division / Environmental Officer	2008	All sites
• Present information on green IT and lifecycle management (eco design)	Environmental Officer	2008	
• Reduce energy consumption of devices on standby by introducing upstream multiple socket outlets with an on/off switch	Procurement and Technical Services Division / IT Operations Division	2008	
• Distribute a staff information circular on energy use of devices on standby	Procurement and Technical Services Division / IT Operations Division	2008	

Source: OeNB.



## 6. External Auditors' EMAS Certificate

### EMAS Validation and Registration



This Sustainability Report, which consists of the Annual Report, the Intellectual Capital Report and the Environmental Statement of the

### Oesterreichische Nationalbank

has been validated in accordance with the EMAS Regulation by

**Quality Austria Training, Certification and Evaluation Ltd**  
**Gonzagagasse 1/24, 1010 Vienna, Austria**  
**AT-V-004,**

an independent certification, evaluation and validation organization.

The Lead Verifier herewith confirms that the environmental policy, the environmental program, the environmental management system, the environmental audit procedure and the Sustainability Report of the company conform to Regulation (EC) No 761/2001 of the European Parliament and of the Council of 19 March 2001 allowing voluntary participation by organisations in a Community eco-management and audit scheme (EMAS) and validates the relevant information for the Environmental Statement in accordance with Annex III point 3.2 (a) to (g)).

Moreover, Quality Austria confirms that this report has been drafted in accordance with the G3 Sustainability Reporting Guidelines 2006 of the Global Reporting Initiative (GRI), that the data and information correspond to the documentation examined in the organization and that the information provided in the GRI index are correct, so that Quality Austria can confirm the self-assessment at a reporting level of A+.

Vienna, April 2008

Konrad Scheiber  
*Managing Director,*  
*Quality Austria*

Martina Göd  
*Product Manager for*  
*Sustainability Reports*

Martin Nohava  
*Lead Verifier*

The next full environmental statement is due to be published in May 2010. Until then, short annual updates will be published and validated in line with current practice.

# 7. Global Reporting Initiative Content Index



<b>GRI G3 – Standard Disclosures and Performance Indicators</b>	<b>Sustainability Report</b>	<b>Page</b>
1. Strategy and Analysis	Annual Report: Our Mission Statement	Cover
	Environmental Statement: Environmental Policy	7
	Intellectual Capital Report: Goals for the OeNB as a Knowledge-Based Bank	7
2. Organization Profile	Annual Report: Ownership Structure and Decision-Making Bodies of the OeNB	6
3. Report Parameters		
3.1–3.4 Report Profile	The reporting period is the calendar year; previous reports are published on the Internet; contact points for questions are named in the imprint	
3.5–3.11 Report Scope and Boundary	Slipcase, Annual Report: Efficient Management of OeNB Activities Guarantees Strong Performance; The OeNB's Communication Activities Focus on Transparency and Knowledge Transfer	95 91, 88
3.12–3.13 GRI Content Index and Assurance	Environmental Statement	22, 23
4. Governance, Commitments, and Engagements		
4.1–4.10 Governance	Annual Report: Ownership Structure and Decision-Making Bodies of the OeNB; Functions of the General Council, Efficient Management of OeNB Activities Guarantees Strong Performance	6 91
4.11–4.13 Commitments to External Initiatives	Annual Report: The European Union – A Success Story, Efficient Management of OeNB Activities Guarantees Strong Performance; Environmental Statement: Environmental Policy	43, 91 7
4.14–4.17 Stakeholder Engagement	Annual Report: The OeNB's Communication Activities Focus on Transparency and Knowledge Transfer	88
5. Management Approach and Performance Indicators		
Economic Performance Indicators (EC)		
EC1, EC3	Annual Report: Financial Statements	100
EC 2	Environmental Statement: Environmental Policy, Environmental Program, Preface, Going Ecological is Being Economical	5, 7 8
EC8	Annual Report: Efficient Management of OeNB Activities Guarantees Strong Performance; Business, Science and Culture Promotion	91 94
Environmental Performance Indicators (EN)		
EN 14	Environmental Statement: Carbon Neutrality and Climate Protection	11
EN1, EN2, EN4, EN8, EN16, EN21, EN22, EN24	Environmental Statement: Development of the OeNB's Ecological Indicators	18
EN5, EN7, EN18	Prudent Energy Management Reduces Energy Consumption and Saves Costs	12
EN26	Environmental Statement: "Greening Up" the OeNB – A Review of 2007	9
	Green Procurement – A Logical Choice	16
EN29	Environmental Statement: Development of the OeNB's Ecological Indicators, Environmental Program	18 20
Labor Practices and Decent Work Performance Indicators, Society Performance Indicators (LA, SO)		
Product Responsibility Performance Indicators (PR)		
LA1, LA2	Intellectual Capital Report: Goals for the OeNB as a Knowledge-Based Bank	7
LA10, LA13	Intellectual Capital Report: Investment in Knowledge-Based Capital	9
LA4, LA6, LA12, LA14	Intellectual Capital Report: List of Indicators	22
Society Performance Indicators (SO) SO2	Annual Report: Focus on Corporate Governance	91
PR3	Annual Report: The OeNB Ensures the Security and Efficiency of the Cash Cycle	82
	Intellectual Capital Report: Knowledge Transfer as an Integral Part of the OeNB's Products and Services	17
SO5	Intellectual Capital Report: Knowledge Transfer as an Integral Part of the OeNB's Products and Services	17
PR5	Intellectual Capital Report: Knowledge Transfer as an Integral Part of the OeNB's Products and Services	17
PR6	Annual Report: The OeNB's Communication Activities Focus on Transparency and Knowledge Transfer	88
EC4–EC7, EC9, EN3, EN6, EN9–EN13, EN15, EN17, EN19, EN20, EN23–EN25, EN27, EN28, EN30, LA3–LA5, LA7, LA9, HR1 bis HR9, SO1, SO3, SO4, SO6–SO8, PR1, PR2, PR4, PR7–PR9	Not applicable	

## Useful Links

<b>Austrian Sustainability Reporting Award (ASRA)</b>	<a href="http://www.nachhaltigkeit.info/artikel/esra_european_sustainability_reporting_awards_1076.htm">www.nachhaltigkeit.info/artikel/esra_european_sustainability_reporting_awards_1076.htm</a>
<b>Bundesweiter Arbeitskreis für Umweltmanagement (B.A.U.M.)</b>	<a href="http://members.aon.at/baumoste/index.htm">http://members.aon.at/baumoste/index.htm</a>
<b>Eco-Management and Audit Scheme (EMAS)</b>	<a href="http://www.emas.gv.at">www.emas.gv.at</a>
<b>IG Immobilien Invest GmbH</b>	<a href="http://www.ig-immobilien.com">www.ig-immobilien.com</a>
<b>MSC (Marine Stewardship Council)</b>	<a href="http://www.msc.org">www.msc.org</a>
<b>Österreichische Gesellschaft für Umwelt und Technik (ÖGUT)</b>	<a href="http://www.oegut.at">www.oegut.at</a>
<b>Austrian Business Council for Sustainable Development (respACT)</b>	<a href="http://www.respect.at">www.respect.at</a>





