

## Promotion of Saving Energy and Resources at Sites

We launched the Energy Conservation Promotion Team in March 2007 in order to address company-wide environmental protection activities in a professional manner. In this fiscal year, we have worked on this by concentrating on the three themes of: (1) promoting energy saving operations via power analysis of various devices, (2) enhancing self-awareness of energy conservation in one's immediate surroundings, and (3) promoting energy conservation and safe driving via the introduction of digital tachometers.

### Promoting Energy Saving Operations via Power Analysis of Various Devices

Scrubbers are devices for treating exhaust fumes which reduce the amount ventilated and make it possible to conserve energy when there is a small amount of gas given off. The energy conservation team optimizes the operating conditions by using an electricity monitor and offers advice to ensure that light load operation is carried out during the time periods when there is little gas produced at the beginning and conclusion of operations. The Saitama and Ehime Plants have achieved energy conservation results as shown in the chart through the use of inverter controls when operating their scrubbers at nighttime.



Promoting energy saving via power analysis

#### ■ Energy conservation results by exhaust fume treatment devices

Name of work site	No. of units operating at low speed	Reduction results	
		Electric energy (1000 kWh/year)	Electricity charge (billion yen/year)
Saitama Plant	2 units	32	4.8
Ehime Plant	3 units	157	23.5
<b>Total</b>	<b>5 units</b>	<b>189</b>	<b>28.3</b>

### Energy Conservation Inspections at Plants

The energy conservation team obtains facility lists from the major plants and works with each plant to examine ways of conserving energy and the results of energy conservation for each facility. Priority is then placed on these to ensure that measures which have significant results are implemented.

#### ■ Energy conservation projects

Name of work site	No. of facilities targeted	No. of energy conservation projects	No. of energy conservation projects implemented
Saitama Plant	21 units	17 projects	5 projects
Ehime Plant	23 units	29 projects	6 projects

### Energy Saving in one's Daily Life

The results of an electricity usage and application analysis performed with a seasonal variation for each sales office revealed that the months of July - September and January - March comprised the peak electricity usage, with air-conditioning devices receiving significant use during these periods. As part of energy conservation activities, we have implemented "Cool Biz" (air-conditioner temperature of 28°C in summer) and "Warm Biz" (heater temperature of 20°C in winter). (This is the third year.)

**COOLBIZ**

**WARMBIZ**

Furthermore, employees were suggested concrete ways of how to save the energy of lighting, air-conditioners, computers, and copiers etc OA facilities, as "Energy Saving in one's Daily Life."

■ **Examples of Specific Initiatives**

**[Cool Biz]**

Open windows and improve wind circulation, use blinds to shield outside light, clean the filter on air-conditioners, turn off the power to unnecessary air-conditioners, etc.

**[Warm Biz]**

Adjust the blinds and let sunlight in, wear a lap blanket and cardigan, clean the filter on air-conditioners, etc.

**Energy Conservation Examples  
Part 1. Wasteful use of lighting**

Text quoted from the introductory materials on the intranet: "Are You Trying to Save Energy?" pamphlet by Hioki E.E. Corporation

**Saving Gasoline via the Introduction of Digital Tachometers**

Asahi Pretec maintains a large fleet of vehicles as part of the nature of its operations. As a "private carrier" with carrying capacity over a certain standard, we are obligated to formulate energy saving plans and periodically report on the amount of energy usage. As such, in FY2006 we received subsidies as part of the FY2006 Project to Support Enterprises in Streamlining Energy Usage from the New Energy and Industrial Technology Development Organization (NEDO) in order to further promote countermeasures to conserve energy. These subsidies were used to install digital tachometers on approximately 400 of our business-use vehicles. These are set to sound an alarm when operators abruptly accelerate and decelerate or drive at high speeds over 80km per hour, while simultaneously providing safe driving results.

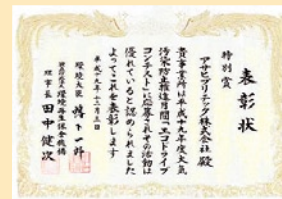
Through the introduction of digital tachometers we have been able to achieve an improvement in fuel efficiency of roughly 4% from the previous year. If the amount of fuel saved (gasoline and light oil) is converted into carbon gas, then the savings would amount to 163t.



Example of installed digital tachograph

**TOPICS Winner of the Special Prize at the Eco-Drive Contest**

The introduction of digital tachographs has clearly been effective at reducing fuel costs. This is the first time that we have applied for the Eco-Drive Contest sponsored by the Environmental Restoration and Conservation Agency. As a result, the efforts of our company as a whole were appreciated by the Agency, who awarded us with the Special Prize.



**Increasing Cooperation for Collection and Transportation while Improving the Efficiency of Route Collection**

We facilitate efficient route collection by promoting cooperation with other companies and territory transfers between our own company's offices.

**Environmental Activities at Our Offices**

We carry out a variety of activities designed to lessen the environmental burden brought about by office work.

- Green procurement
- Reducing the volume of paper used by utilizing a document and file management system / electronic phone book
- Reducing the volume of paper used by facilitating the diffusion of electronic manifest systems
- Reducing the amount of energy used by having a "casual day"