

History of Environmental Activities Major Events, Efforts and Technologies from the 1990s to the Present

Year	Corporate Activities	Production / Recycling Activities	Advanced Technologies
1991-1995	<p>1993 ● MMC Environmental Plan formulated and Basic Philosophy on the Environment established</p> <p>● MMC Environmental Council established</p>	<p>1991 ● Plastic parts weighing at least 100g marked with identifying code</p> <p>1992 ● Introduction of cogeneration system at Oye Plant</p> <p>1994 ● Elimination of CFC-12 refrigerant from air conditioners in all new models and switch to HFC-134a for all vehicles</p> <p>● Launch of moves to reduce use of lead in new models</p> <p>● CFCs (fluorocarbons) entirely eliminated from production processes</p> <p>● Introduction of technology to strip paint from plastic parts in order to promote recycling</p> <p>1995 ● Elimination of 1,1,1-trichloroethene totally from all production processes</p>	<p>1991 ● Energy-saving, ultra-lean-burning MVV engine announced</p> <p>1992 ● Announcement MIVEC and MIVEC-MD engines combining high fuel economy and high-power</p> <p>● CNG Libero cargo (natural gas vehicle) goes on sale</p> <p>1994 ● Libero electric vehicle goes on general sale</p> <p>Launch of moves to reduce use of lead in new models</p> <p>1995 ● Development and announcement of world's first high-fuel economy, high-power gasoline direct injection (GDI) engine</p>
1996-2000	<p>1997 ● First "Plant Environmental Topics" published for distribution to suppliers, etc. (twice a year)</p> <p>● Environmental Liaison Council established to liaise between main affiliates and members of the MMC Group</p> <p>1998 ● Announcement of MMC's voluntary ELV Recycling Action Plan</p> <p>● Nagoya, Kyoto and Mizushima Plants acquire ISO 14001 certification</p> <p>1999 ● Establishment of Environmental Affairs Department (Current Environment & Recycling Affairs Department)</p> <p>● MMC Environmental Guidelines</p> <p>● First MMC Environmental Report</p> <p>2000 ● Launch of Green Procurement (suppliers requested to cooperate in environmental activities)</p> <p>● Development of environmental management systems for dealers</p>	<p>1997 ● Approximately 20% reduction in use of HFC-134a refrigerant in air conditioners</p> <p>● Launch of collection and recycling of old bumpers replaced by dealers</p> <p>● Introduction of cogeneration system at Kyoto Plant</p> <p>1998 ● Completion of nationwide system for collection and destruction of CFC-12 refrigerant used in air conditioners</p> <p>● Abolition of use tetrachloroethene and dichloromethane chlorine cleaning age</p> <p>● Air-cleaner case made from waste paper developed and used in some new models</p> <p>● Development of easy-to-recycle TEO weather strip suitable for all vehicles</p>	<p>1996 ● Announcement of vehicles powered by GDI engines (Gallant , Legnum)</p> <p>1997 ● GDI engine wins JSME's prize and JSAE's Technological Development Award</p> <p>● CNG Minicab van goes on sale</p> <p>1998 ● MVV engine fitted as standard in all mini-cars built under the new mini-car standards</p> <p>1999 ● New Pajero model fitted with direct injection diesel passenger car engine</p> <p>● Development of Pistachio GDI-ASG vehicle (automatically stops idling)</p> <p>2000 ● New Lancer Sedia and other models fitted with GDI-CVT</p>
2001-2004	<p>2002 ● Establishment of Recycling Promotion Office</p> <p>● MMC Environmental Sustainability Plan announced (medium-term action plan)</p> <p>2003 ● Truck and bus division spun off from MMC as Mitsubishi Fuso Truck and Bus Corporation (MFTBC)</p> <p>● ISO 9001:2000 certification acquired (quality management system)</p>	<p>2001 ● Naturally colored resin door garnish developed and used on new-model passenger cars</p> <p>● Emissions of waste for landfill disposal eliminated at the Nagoya and Kyoto Plants</p> <p>● Development of air-cleaner case made from waste paper and recycled polypropylene (recycled PP)</p> <p>2002 ● Emissions of waste for landfill disposal eliminated at the Tokyo and Mizushima Plants (all domestic plants have now achieved zero landfill emissions)</p> <p>● Agreement on promotion of partnership with DaimlerChrysler in European recycling business</p> <p>2003 ● Start of construction of new paint using water-based paints at Mizushima Plant (operation scheduled in FY 2004)</p> <p>● Development of world's first canister case made using recycled cropped material</p>	<p>2001 ● Eclipse EV prototype driven publicly around Shikoku, going more than 400 km on a single charge</p> <p>● Total production of GDI engines passes million mark</p> <p>2002 ● Eclipse EV entered in "Shikoku EV Ekiden" and successfully driven from Tokyo to Niihama, Shikoku – charged three times</p> <p>● Research to reduce noise from tires during motion wins JSAE's Asahara Award for the Promotion of Science</p> <p>● New Colt is first MMC car to be certified as a U-LEV</p> <p>2003 ● Concept test car "i" becomes first vehicle to earn highest rating of five stars for both emissions and fuel economy in FIA EcoTest</p> <p>● Fuel cell vehicle "MITSUBISHI FCV" (MFCV) certified by the Ministry of Land, Infrastructure and Transport</p> <p>2004 ● MFCVs serve as escort cars at Osaka International Ladies Marathon</p>

Thank you for your interest in this Environmental Sustainability Report 2004.

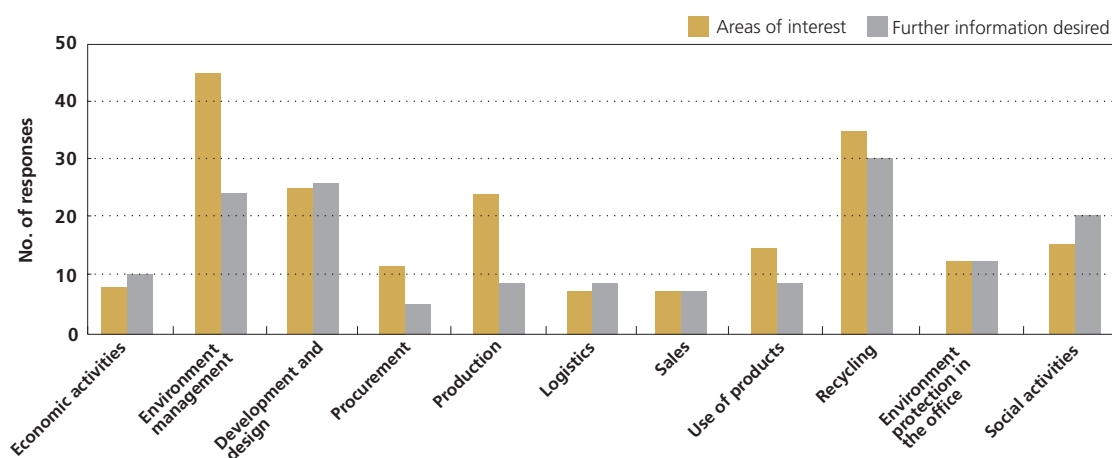
We value your comments, which will help us make future reports better and more useful.

We would be grateful, therefore, if you would take a moment to complete the short questionnaire on the other side of this page, and then detach it and send it to us by fax or mail

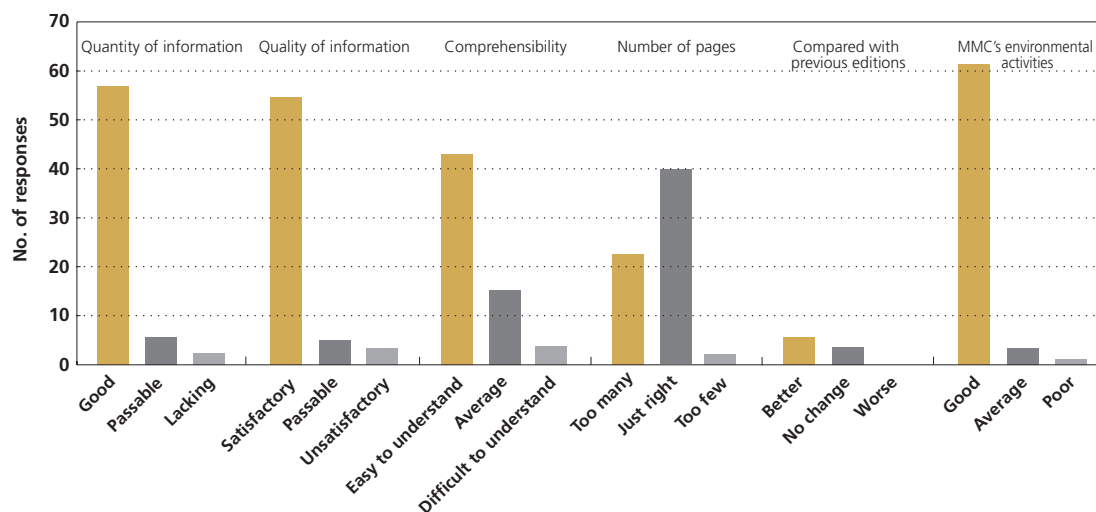
Questionnaire Results for the Environmental Sustainability Report 2003

A total of 63 questionnaires on the Environmental Sustainability Report 2003 (issued on July 10, 2003) were returned (as of July 2004).

(1) Areas of interest and areas regarding which further information was desired (multiple answers allowed)



(2) View of the report and environmental protection activities



We would be very grateful if you would take a few moments to.

Please complete the questionnaire and return it by mail to :

MITSUBISHI MOTORS CORPORATION
Environment & Recycling Affairs Department
2-16-4 Konan, Minato-ku, Tokyo 108-8410 Japan
by fax to : +81-3-6719-0034

MMC Environmental Sustainability Report 2004 Questionnaire

Your cooperation in completing this questionnaire is very much appreciated.

Mitsubishi Motors Corporation : Environment & Recycling Affairs Department FAX : +81-3-6719-0034

Q1. What is your overall opinion of this year's report?

- Very easy to understand
 Fairly easy to understand
 Average clarity
 A bit difficult to understand
 Very difficult to understand

Q2. How much did you read?

- About 1-10
 About 10-20 pages
 About half
 More than half
 Nearly all

Q3. What in the report were you interested in, and what areas would you like to see improved in future issues?

Please specify:

- | | | | |
|---------------------------------------|--|---|---|
| -Corporate Profile / Editorial policy | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Executive Messages | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Environmental Topics in 2004 | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Business Policy | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Environmental Management | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Research and Development | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Procurement | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Production | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Logistics | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Sales / Use of Products | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Recycling | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Others | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |
| -Social and Economic activities | <input type="checkbox"/> Interested in | <input type="checkbox"/> Hope to see improved (|) |

Q4. How would you evaluate our activities to reduce adverse environmental effects?

- Good
 Fairly good
 Average
 Not very good
 Poor

Q5. Please tell us what activities you would like to see MMC undertake in the future in order to further reduce effects on the environment.

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Q6. In what capacity did you read this year's report? (Multiple answers allowed)

- Customer
 Supplier
 Shareholder or investor
 Environmental officer at a company or other organization
 Environmental NGO / NPO
 Research / educational institute, etc.
 Student
 Media organization
 Government agency
 Financial institution
 Resident living near MMC
 Employee (or family member) of MMC or affiliate
 Others (Please specify:)

Thank you for completing the questionnaire. We would be very grateful if you would also provide the following additional information about yourself :

Name		Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female	Age	
Address	〒 -				
Email:		Tel			
		Fax			
Place of work or school, etc		Car used	<input type="checkbox"/> Mitsubishi <input type="checkbox"/> Other		

Your opinions, comments and personal information will never be used for purposes other than creating a better MMC Environmental Sustainability Report, or in analysis of responses to the questionnaire. Information will be strictly maintained and managed, and data will not be made public in any manner that identifies individuals.

Environmental Considerations in the Preparation of this Environmental Sustainability Report

Paper certified by FSC

This report is printed on paper certified by the FSC (Forest Stewardship Council), an international NGO. Paper certified by the FSC is made from trees harvested from so-called “recycling-oriented forests,” which are well managed and protected from illegal cutting ; trees are cut only in quantities necessary, and effects on natural ecology around such forests are minimized.

MMC endorses such “recycling-oriented forest” activities and believes a first step toward a sustainable society is the use of FSC-certified and recycled paper for appropriate purposes in a balanced way.

MMC uses FSC-certified paper for its environmental pamphlets ([See](#) p.15) and vehicle catalogues, in addition to this environmental report.



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Ink / Printing

The printer of this report has ISO 14001 certification, uses soybean oil ink and prints without water.

Comparison with the Ministry of the Environment’s “Environmental Reporting Guidelines” (FY 2003 Version)

Items in Guidelines	Relevant major pages
Basic items	
Preface by CEO	p.2
Basic requirements in reporting	Inside cover, p.1, p.15, Questionnaire, Back cover
Business outline	Inside cover, p.4-5, p.10, p.49-50
Summary of policies, goals and results of environmental considerations in business activities	
Policies on environmental considerations	p.2, p.6
Summary of policies, goals and results of environmental considerations in business activities	p.2-3, p.8-9
Material balance of business activities	p.18
Summary of environmental accounting information	p.16-17
State of environmental management	
State of environmental management system	p.7, p.11-14, p.16, p.28
State of supply chain management, etc., friendly to the environment	p.27
State of research and development of new technologies, etc., friendly to the environment	p.19-26
State of disclosure of environmental information and environmental communications	p.11-13, p.15-16, p.44-45, Questionnaire
State of observance of environment-related regulations	p.14, p.31-33
State of environmental contributions to society	p.15-16, p.47
Environmental stress by business activities and state of activities to reduce it	
Total amount of energy input and measures to reduce it	p.28-29
Total amount of materials input and measures to reduce it	p.30-31
Total amount of water input and measures to reduce it	p.33
Emissions of greenhouse gases and measures to reduce them	p.32
Amounts emitted and movement of chemical materials, and status of control efforts	p.31
Total production of products or sales	p.36, p.49
Total emissions of waste, etc., final disposal of waste, and measures to reduce them	p.30-31
Total amount of wastewater discharged and measures to reduce it	p.33
State of environmental stress involved in transport and measures to reduce it	p.34-35
State of green purchasing and measures to promote it	p.27, p.36
Environmental impact of products and services through their lifecycles, and measures to reduce it	p.19, p.37-41
State of social activities	
State of social activities	p.42-48

Third-Party Review

All information in this MMC report was carefully examined prior to publication by people inside company, with best efforts to ensure its neutrality and the reliability of the report. It has been suggested, however, that a third-party review could further improve that neutrality and reliability. In order to ensure the neutrality and reliability of the third-party review itself, the company has undertaken various studies of the form, etc., of such a review, and will consider introducing such a review after receiving the results of those studies.

Mitsubishi Motors Environmental Sustainability Report 2004

Published: August 2004

The next report will be issued around the summer of 2005.

Inquiries

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At least 30% of the fibre used in the manufacturing process of this product comes from well-managed forest independently certified according to the rules of the Forest Stewardship Council.

