Sustainability News

Target and achievement (Isuzu Fujisawa Plant and Tochigi Plant)

Reduction of CO2 emissions

- Changes in CO2 emissions per production unit

Target

CO2 emissions per production unit: Reduction of 5% or more from FY2010 by FY2015

FY 2014 achievements

CO2 emissions amount: 185,000 tons

CO2 emissions per production unit: 21.8 tons/hundred million yen (8% reduction from FY2010)



The production volume increase triggered greater OO2 emissions in FY2013, but Isuzu continued OO2 reduction initiatives helped to achieve the reduction target for emissions per production unit. We are further engaging in activities to achieve the target value by promoting energy JT (Just In Time).

Major CO2 Reduction Initiatives

Use of a large-scale combined heat and power system to provide electricity and a heat source for plants

Use of small-scale combined heat and power systems for new buildings

Use of highly efficient multi-can boilers

Use of inverter air-conditioning equipment and power equipment

Promotion of "eco-stop" and "no-idling"

Improving the working efficiency of large-scale air compressors (deployment of small-sized equipment)

Introduction of lighting equipment which uses renewable energy

Introduction of high-efficiency lighting equipment

Added the Co-generation system for new buildings (Tochigi Plant)

Installation of a solar power facilities (Fujisawa Plant)



Tochigi Plant Co-generation System

Fujisawa Plant's solar power panels

Reduction of waste - Changes in amount of final landfill wastes

Target

Amount of landfill wastes (tons)/Total waste (tons) = 1.0% or less

FY 2014 Achievement

Amount of landfill wastes (tons)/Total waste (tons) = 0.0 %

* Amount of landfill waste 0 tons, Total industrial waste amount 7,710 tons



Isuzu succeeded in maintaining a landfill waste level of zero tons by thoroughly practicing classification control and various waste reduction efforts.

Waste reduction activities

Expansion of items to be converted to valuable resources by seeking new purchasers

Careful sorting and collection; promoting recycling after disassembly and scrapping

Reduction of the total amount of waste and reduction of by-products

Promotion of material recycling of plastic products

Expansion of recycling by sorting waste oil

Promotion of recycling the clay attached to foam polystyrenes

Reduction of emission by returning wooden pieces used as partitions

Promotion of turning helmets and safety caps as valuables

Recycling of compact rechargeable batteries

Reduction of paint residues by changing the chemicals used in the circulation tank

Recycling of iron powders from the forging process into as steel materials



Effective use of water resources

Isuzu effectively uses water resources by promoting water saving and water recycling in the final water treatment process, and filtering ground water for daily life usage.

FY 2014 Achievement

Water Consumption 2,110,000 m³

Fujisawa Plant, which consumes a high volume of water, leads water-saving activities by re-using washing water from the electro coating process and recycling treated sewage for bathroom use. In FY2014, however, water consumption rose by approximately 4% in comparison to FY2013 due to the increase in production volume.



Reducing VOC emissions in Fujisawa Plant

* VOC Volatile organic compounds (mainly organic solvents)

Target

VOC emission rate: under 19.2 g/m²

FY 2014 Achievement

VOC emission rate: 18.3 g/m²



Training Programs of Environmental education

Isuzu provides training programs about general environmental education, related laws and regulations, and various programs for ISO internal auditors.

FY 2014 Achievements

Item

FY2014 achievements

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