

Greenhouse gases

P3

Gases such as carbon dioxide, methane, nitrous oxide, HFCs (hydrofluorocarbons, a substitute for CFCs), PFCs (perfluorocarbons), and SF₆ (sulphur hexafluoride) that contribute to global warming.

ISO 14001

P3

A standard for environmental management systems established by the International Organization for Standardization (ISO).

PRTR

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Pollutant Release and Transfer Register. Japan enacted the Law for PRTR (Pollutant Release and Transfer Register) and Promotion of Chemical Management in 1999 to cooperate in the global effort by government organizations to develop systems to compile and publicly release information submitted by companies on the quantity of toxic chemical substances they release into the environment and transfer in products and waste.

VOC

P4

Volatile organic compounds.

WDI audit

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Well Development and Implemented System audit. A system by which an external auditing organization examines and approves a company's internal audits as a substitute for direct external audits (e.g., ISO audits).

CEAR

P7

Center of Environmental Auditors Registration. The only organization in Japan that evaluates and registers environmental management system auditors.

Environmental accounting

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A tool for quantifying a company's investment in environmental activities, the cost of environmental impact reductions, and relevant economic effects.

Green procurement

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Priority procurement of products from companies that are selected on the basis of their active efforts to reduce environmental impact and protect the environment. NEC Electronics procures products from purchasing partners that meet standards we define.

LCA

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Life-Cycle Assessment. A method for quantitatively and objectively evaluating the environmental impact of product materials through all stages of the product life cycle of raw material extraction, manufacturing, distribution, use, and disposal.

RoHS Directive

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Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment. A European Union directive to restrict the use of certain hazardous substances such as lead, mercury, cadmium, hexavalent chromium compounds, and polybrominated flame retardants (PBB, PBDE) in electrical and electronic equipment. RoHS was enacted on July 1, 2006.

EPD (Type III environmental label)

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Environmental product declarations. The Swedish Environmental Management Council conducts a certification program for Type III environmental labels. There are three types of environmental labels that certify products as being environmentally friendly: Type I, certified by a governmental agency or private non-commercial entity (symbol mark); Type II, self-declared environmental claims by manufacturers and retailers; and Type III, certified by a third-party organization (quantitative information based on life-cycle assessments). EPD is a representative Type III environmental label.

CSR procurement

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Priority procurement of products from companies that are selected on the basis of whether they are fulfilling their corporate social responsibilities. CSR procurement is an expansion of the concept of green procurement.

Indirect materials

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Materials that are used in manufacturing process but are not contained in products. Materials contained in products are called direct materials.

PFC

P14

Perfluorocompounds. PFCs have a long atmospheric life and a global warming potential (GWP) index of several thousand. PFCs are used as etching and cleaning gases in semiconductor manufacturing processes.

GWP

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Global warming potential. An index used to measure global warming, calculated as the ratio of the effect of the emission of 1 kilogram of a greenhouse gas to that of the emission of 1 kilogram of carbon dioxide.

Co-generation system

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An electrical generation system that uses gas turbines or other means to supply electrical power and thermal energy. The system is considered highly efficient due to its ability to generate two types of energy.

Biotope

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An area that reproduces an ecosystem in nature.

COP3

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The Third Session of the Conference of the Parties to the United Nations Framework Convention on Climate Change, whose purpose is to prevent global warming. COP3 was held in Kyoto in December 1997. The third conference adopted the Kyoto Protocol, which prescribes targets for reduction of greenhouse gas emissions for each country.