



CERN Energy Policy

CERN, an intergovernmental organization for fundamental research in particle physics, defines and implements an Energy Policy. This policy covers all the energy sources needed for its activities and installations, whether they are based in France or in Switzerland. The policy is periodically reviewed.

1. Objectives

In line with the CERN Safety Policy, the Energy Policy is designed to continuously improve the Organization's energy performance and minimise the impact of its activities on the environment. Its specific goals are to:

- keep the energy required for its activities to a minimum,
- improve energy efficiency, and
- recover waste energy.

2. Means

The Organization makes the necessary means available, in particular funding and personnel, needed to meet its Energy Policy objectives.

In particular, the Organization:

- implements structured, efficient and sustainable measures to ensure the continuous improvement of its energy performance,
- ensures that the Energy Policy objectives are integrated into the design of its sites and facilities and taken into account in the definition and execution of its activities,
- establishes appropriate internal regulations, keeps them up to date and monitors compliance with them,
- communicates proactively with all persons participating in its activities or present on its site, as well with as the Host States and the public,
- collaborates with the Host States.

2.1 Continuous improvement

The Organization is committed to the continuous improvement of its energy performance by means of :

- defining, monitoring and updating strategic energy guidelines and associated objectives and indicators. These guidelines, objectives and indicators are based on energy use measurements, best practices and feedback and are documented in the Organization's energy performance plan;
- an Energy Management System (EMS) compliant with the ISO 50001 standard;
- training the relevant personnel and raising their awareness of the Organization's energy performance and usage;
- monitoring trends, regulatory developments and best practices in energy performance.



2.2 Integration of energy objectives into the design of sites, facilities and activities.

CERN ensures that its energy objectives are taken into account in the design of its site and installations, in particular by choosing designs that limit energy consumption and allow waste energy to be recovered throughout the lifecycle of the sites and facilities concerned.

It ensures that activities, including those of the experiments, are planned, designed and carried out in a way that optimises energy consumption.

When goods and services with a significant impact on energy performance are purchased, the Organization encourages the choice of energy efficient solutions, in particular by defining criteria and processes to evaluate energy efficiency.

The Organization promotes the development and transfer of technologies that further the objectives of the Energy Policy.

2.3 Energy Regulations

CERN establishes and updates internal regulations to implement the Energy Policy. In doing so, it takes into consideration the relevant legislation of the Host States, as well as European and international regulations, directives and standards.

The Organization monitors compliance with the regulations that it establishes.

2.4. Proactive Communication

CERN proactively communicates its Energy Policy to all persons participating in its activities or present on its site, as well as to the Host States and the public. It establishes and updates a public environment report in accordance with international standards. It also runs information campaigns targeting those involved in its activities, with a particular focus on the monitoring of the energy objectives, and also organises awareness-raising exercises.

2.5 Collaboration with the Host States

CERN collaborates with its Host States in a transparent and constructive manner on topics related to its Energy Policy, in particular through the Tripartite Environment Committee.

3. Implementation Principles

Measures decided by the Director-General

As chief executive of CERN, the Director-General:

- assigns responsibility for the implementation of the Energy Policy, at all levels of the Organization, to the relevant organic units;
- appoints an Energy Coordinator, who is responsible for monitoring the implementation of the Energy Policy. The Energy Coordinator is assisted by representatives appointed by the departments and the LHC experiments, who are directly involved in the implementation of the Energy Policy;
- assigns specific tasks to specialised units, as necessary.



3.2 Individual Responsibility

All persons participating in the Organization's activities involving the use of energy of any kind are required to actively contribute to the implementation of the Energy Policy through exemplary conduct and, in particular, compliance with the associated rules and procedures.

Approved on 20 September 2022