

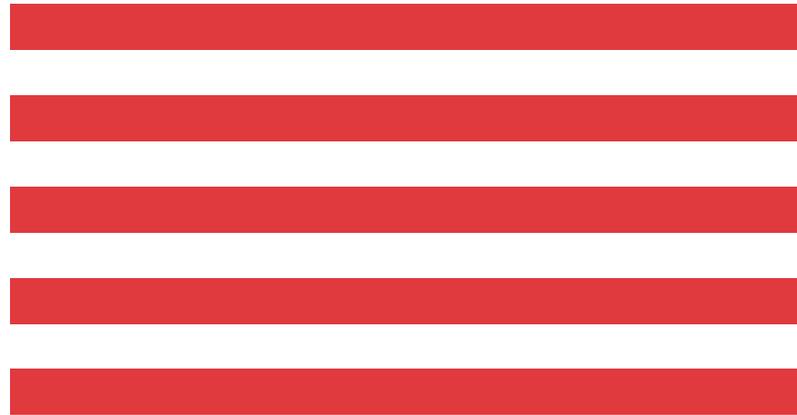
## OUR PARTNERS

The project is supported by a large number of internal and external partners.



Please, direct your inquiries to the central project office in the Hessian Ministry of Finance at:

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[www.hessen-nachhaltig.de/web/co<sub>2</sub>-neutrale-landesverwaltung](http://www.hessen-nachhaltig.de/web/co2-neutrale-landesverwaltung)

As at: June 2013

Sustainability strategy  
 Hesse



## CARBON-NEUTRAL STATE ADMINISTRATION



Our target: establishing a carbon-neutrally working state administration by the year 2030. With this project the Hessian state government sets a good example and actively contributes to climate protection.

## THE PROJECT

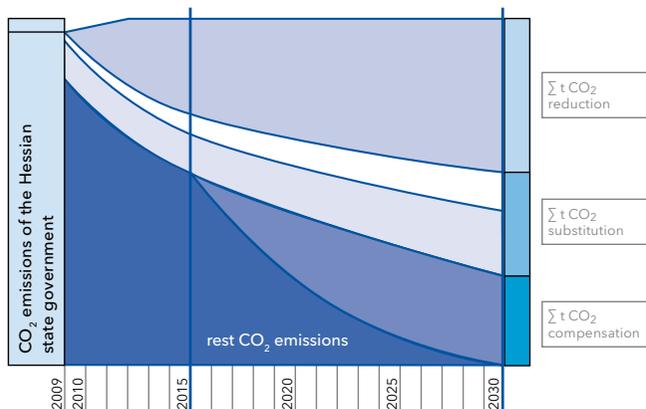
When it comes to climate protection the state government has various options for action regarding its own administration buildings. With the project "Carbon-neutral state administration" the state of Hesse intends to become a model for local authorities, companies and citizens.

Climate neutrality can be achieved on the basis of an integrated approach consisting of three major fields of action:

- MINIMIZING,
- SUBSTITUTING AND
- COMPENSATING

CO<sub>2</sub> emissions. This approach is supposed to be realized in the project "Carbon-neutral state administration" on the premise that "Minimizing" and "Substituting" take priority over "Compensating".

The medium-term period within which the respective measures are expected to show noticeable success covers the years 2009 to 2015. In the long term, the project is planned to run until the year 2030. By then the target - a carbon-neutral state administration - is supposed to have been reached.



- CO<sub>2</sub> minimization, e.g. the buildings' electricity and heating consumption, procurement, mobility
- CO<sub>2</sub> substitution, e.g. use of renewable energy for heating
- CO<sub>2</sub> substitution, e.g. green electricity
- CO<sub>2</sub> compensation, e.g. certificates

## IMPLEMENTATION STRATEGY

The strategy for implementing a carbon-neutral state administration consists of four components:

1. CARBON FOOTPRINT
2. MEASURES TO ACHIEVE CO<sub>2</sub> NEUTRALITY
3. CO<sub>2</sub> PUBLIC RELATIONS WORK
4. CO<sub>2</sub> FINANCIAL PLAN

## CARBON FOOTPRINT

To define the starting line from where to reach the ambitious goal of a carbon-neutrally working state government by the year 2030 the initial carbon footprint was calculated representing the quantity and sources of CO<sub>2</sub> emissions produced by the Hessian government.

The largest part of these emissions, approximately 80 per cent, is accounted for by the energy supply to buildings. Therefore particular importance is attached to mitigation measures regarding existing buildings as well as new buildings. The initial calculation of the carbon footprint and its regular updating are the basis for the creation of a CO<sub>2</sub> monitoring system.

## ENERGY EFFICIENCY PLAN HESSE 2030

In order to support the Hessian state government in its efforts to reach the CO<sub>2</sub> reduction targets an Energy Efficiency Plan 2030 was elaborated proposing several measures regarding new and existing buildings as well as user conduct to increase energy efficiency in state-owned building properties. Apart from the introduction of state-wide uniform standards for the energy efficiency in new buildings, the agenda suggests a comprehensive program for refurbishing the state's existing buildings.

The budget of the Hessian state government foresees expenditures amounting to 160 millions of Euros to be incurred as of 2012 over the next 6 years for the energy-efficient modernisation of state-owned buildings.

## ENERGY SAVING COMPETITIONS



Large energy saving potential can also be found in the conduct of the building's users. In order to take advantage of this potential the employees of the Hessian offices are encouraged to get actively involved in the project by joining energy saving competitions.

In the course of the first state-wide competition "Hessian Energy Cup" the participants saved a total of 4 % electricity, 6 % heat energy and 9 % water compared to the previous year.

The experience made in this competition will be passed on to the employees in other offices in the form of energy saving partnerships. Involving all Hessian building properties in the measures of the Energy Efficiency Plan 2030 is the medium-term goal on the way to a carbon-neutral state administration.

## LEARNING NETWORK

The network is an open platform to encourage the constructive exchange of ideas about conceptions, strategies and the use of innovative technology to reach the target of CO<sub>2</sub> neutrality. Companies and institutions who are interested in this issue may enter into the dialogue about sustainability and climate protection at any time.

The members of the network want to make joint efforts to secure natural resources, economic development and the people's quality of life.

The cooperation partners actively support the Hessian state government when it comes to promoting new initiatives, which are based on the members' expert knowledge in many different technical fields, in order to create a joint added value.