



Exemplary Energy and Climate
An initiative of the Confederation



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Fact Sheet

Targets and measures of the public service providers

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Table of contents

1	Initial situation	3
2	Targets system 2021-2030	3
2.1	Energy efficiency	4
2.2	Renewable energies	5
2.3	Green power production	6
2.4	Joint and individual measures	7
3	Reporting and communication	12

1 Initial situation

The Exemplary Energy and Climate initiative is one of the measures of the Energy Strategy 2050. It is aimed at important Swiss providers of publicly relevant services and institutional investors that are looking to pursue innovative and exemplary energy- and climate-related measures to do their part towards meeting the goals of the 2015 Paris Agreement. The agreement centres around restricting global warming to well below two degrees Celsius in comparison to preindustrial levels. The aim is to limit the rise in temperature to a maximum of 1.5 degrees Celsius. This document presents the targets and measures of the providers of publicly relevant services.

2 Targets system 2021–2030

The targets system 2021–2030, which includes monitoring, serves as proof for the participants that their actions are in line with the Energy Strategy 2050 and the long-term climate strategy. In summary, the targets system consists of the following variables:





				
Targets	Energy efficiency (energy intensity)	Renewable energies	Green power production	Measures
Description	Energy consumption divided by reference variable	Renewables' share of total final energy consumption	Electricity generated in own facilities, on own buildings or on own infrastructures	15 joint measures and, in addition, individual measures
Target value	Individual	Thermal energy and liquid fuels: individual – Power: 100% renewable	Individual	Specific measures
System limit	Significant share of the organization's energy consumption in Switzerland	Total energy consumption of the organization in Switzerland (according to GRI* standard)	Switzerland	Specific measures

Figure 1: Overview of targets system * Global Reporting Initiative

The Global Reporting Initiative standard forms the basis for energy data collection.



2.1 Energy efficiency

Description: The participants are increasing their energy efficiency. This is calculated from the reduction in energy consumption per reference variable (e.g. energy consumption per square metre) compared to the average value for 2018/2019. This calculation method is based on the Standard Global Reporting Initiative GRI 302. Different reference variables can be defined for different corporate divisions. The increase in efficiency per division is added up on a weighted basis to calculate the energy efficiency of the whole company.

Target value: The target value for energy efficiency is set by the participant, together with a description of their level of ambition.

System limit: The main energy consumption should be included in energy efficiency in order to be able to represent as far as possible a trend for the whole organization or company. At least 80% of the final energy consumption as per GRI 302-1 is included as a benchmark.

Monitoring: Data on final energy consumption per corporate division and the corresponding reference variables is collected annually.

Individual energy efficiency targets of the participants in the 2021–2030 period

	2026	2030
ETH Domain	5%	9%
Zurich Airport AG	0.4%	7%
Genève Aéroport	15%	25%
Swiss Post ¹	10%	50%
PostBus	10%	22%
PostFinance	55%	90%
RUAG MRO Holding AG	6%	10%
SBB	6%	10%
SIG	4%	7%
Skyguide	7%	9%
SRG	6%	10%
Suva	9%	15%
Swisscom	6%	18%
University hospitals ²	4.6%	17.5%
DDPS: - not including airforce	4%	8%
- including airforce	3%	5%
Civilian Federal administration	13%	20%

¹ Swiss Post, as a participant, comprises all the strategic companies in the group with the exception of PostFinance and Post-Bus. These both feature as independent participants.

² The participant "University hospitals" comprises the university hospitals of Basel, Bern, Geneva and Lausanne.



2.2 Renewable energies

Description: The participants are increasingly using renewable energy sources. To this end, they are setting themselves targets for the share of renewable energies. This is calculated from the ratio between renewable final energy consumption and total final energy consumption. The share is shown separately for electricity and other energy sources.

Target value: The share of renewable power (sourced and own production) is set at 100%. Certificates of origin (CO) for renewable sources from the grid of the European Network of Transmission System Operators for Electricity (ENTSO-E) are counted as renewable power. The target value for the share of renewables excluding electric power is set by the participant, together with a description of their level of ambition.

System limit: The organization's total energy consumption in Switzerland is within the system limit (calculated according to GRI Standard 302-1).

Monitoring: Data on final energy consumption per energy source is collected annually (electricity, thermal energy, fuels). Electric power is recorded separately as renewable/non-renewable.

Individual renewable energy targets of the participants in the 2021–2030 period

	Thermal energy and liquid fuels	
	2026	2030
ETH Domain	71%	76%
Zurich Airport AG	9%	22%
Genève Aéroport	60%	70%
Swiss Post	19%	38%
PostBus	3%	6%
PostFinance	65%	85%
RUAG	50%	60%
SBB	32%	50%
SIG	44%	51%
Skyguide	48%	48%
SRG	30%	52%
Suva	40%	56%
Swisscom	25%	30%
University hospitals	36%	42%
VBS	19%	25%
Civilian Federal Administration	32%	33%



2.3 Green power production

Description: The participants are increasing their own green power production by building further power generation facilities (e.g. photovoltaic installations). The production must meet requirements comparable to the ones of the stringent standard naturemade star.

Target value: The target value for green power production is set by the participant, together with a description of their level of ambition.

System limit: Green electricity generated on the participants' own buildings or in their own facilities in Switzerland is taken into account.

Monitoring: Data on green power production is collected annually.

Individual green power production targets of the participants in the 2021–2030 period

(in GWh)

	2026	2030
ETH Domain	5	5.7
Zurich Airport AG	2.2	5
Genève Aéroport	5	8
Swiss Post, PostBus and PostFinance	-	26
RUAG	1.6	3
SBB	20	30
SIG	782	806
Skyguide	0.4	0.4
SRG	0.6	1.2
Suva	2.6	4
Swisscom	3.5	3.5
University hospitals	4.1	7.5
VBS	17	25
Civilian Federal Administration	1.7	2.3



2.4 Joint and individual measures

Description: The participants implement exemplary measures, which can also be adopted by other companies. For this purpose, they defined a catalogue of 15 joint measures with target values for the three areas of management, requirements and procurement, as well as operations. The joint measures generally apply to all participants. Measures for which individual organizations have no leeway (e.g. for legal reasons) can be excluded for those organizations. The individual measures are described briefly on the following pages.

Target value: Implementation of the measures is evaluated using a four-stage traffic-light system. The last stage corresponds to the target value set for 2030.

System limit: The system limit is defined individually for each measure.

Monitoring: A distinction is drawn between qualitative and quantitative measures. In the case of qualitative measures, the participants assess annually the degree of implementation by indicating the stage they have reached. In the case of quantitative measures, the parameters used to calculate the stage are asked for directly (e.g. the number of newly installed, renewable heating systems).

In addition to the joint measures, the participants define **individual measures** with target values in order to set out their individual leeway for action.

The 15 joint measures

1. Energy management



The participants run their own energy management system (EnMS) or an externally-certified EnMS (e.g. according to ISO 50001). Energy management means systematically analysing energy consumption, planning measures to optimize energy utilization and regular monitoring of their effectiveness (Plan-Do-Check-Act cycle).

Target 2030

The EnMS is implemented and the PDCA cycle is run at least once a year.

2. Mobility management



The participants run their own mobility management system (MMS) or an externally-certified MMS (e.g. according to SNR 1555000). Mobility management means systematically analysing mobility aspects, defining targets and planning measures to optimize mobility aspects and regularly monitoring their effectiveness (PDCA cycle).

Target 2030

The MMS is implemented and the PDCA cycle is run at least once every four years. Continuous improvement of mobility aspects is proven and ensured.

3. Eco funds



Each of the participants manage an eco fund. The eco fund is financed from the reimbursement/redistribution of environmental incentive levies. The eco fund is used to finance energy-efficiency measures, measures for renewable energies, measures to reduce greenhouse-gas emissions and further measures to reduce negative environmental impacts.

Target 2030

100% of the reimbursements/redistributions flow into the eco fund.

4. Internal awareness-raising

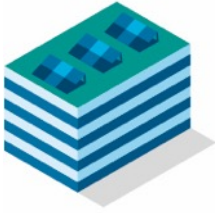


The participants regularly raise awareness among their employees of energy-efficient and climate- or resource-saving behaviour and urge them to actively implement energy-saving measures. To this end, they conduct broad-based awareness campaigns and take specific activation measures for individual employee groups.

Target 2030

At least one awareness campaign plus at least two activation measures take place every year.

5. Energy-efficient new buildings



The participants have their standard new buildings (e.g. administration and residential) certified with one of the following labels: Minergie-P/A-ECO, SNBS, DGNB System Switzerland, LEED or Minergie/SNBS Site for site superstructures. If a new building is not certified, it must comply with strict efficiency requirements derived from labels for construction and operation. For special buildings (e.g. train stations and barracks), the participants have specified their own targets, based on the best practice principle.

Target 2030

At least 90% of the new buildings built since 2021 are certified with one of the above-mentioned labels and/or meet the energy-consumption requirements.

6. Building modernization



The participants are modernizing their existing standard buildings (e.g. administration, residential and industrial) so that as large a share as possible attains a GEAK class A-C in building shell efficiency, or the limit value for converted buildings according to SIA 380/1:2016.

Target 2030

At least 60% of the energy reference area of existing buildings is modernized in terms of energy efficiency.

7. Renewable energy heating systems



The participants do not install any fossil-fuel-powered heating systems in their buildings. This also applies to the replacement of existing systems. In justifiable exceptions, the quantities of fossil fuels sourced must be offset with certificates. The offsetting obligation also applies to the fossil-fuel share of new district-heating connections.

Target 2030

At least 95% of heating systems newly installed since 2021 are operated without fossil fuels.

8. Energy-efficient building technology



The energy-relevant aspects of newly planned building technology facilities correspond at least to those of the current Building Technology Recommendation of the Coordination Group for Construction and Property Services (KBOB).

Target 2030

Specified targets are used and their implementation is subject to random checks. The target value of this measure is to be achieved by 2026.

9. Energy-efficient vehicles



The participants procure energy-efficient vehicles. Passenger cars must run on green power or renewable fuels and be in energy-efficiency category A. Tyres with tyre label A in summer or at least B in winter must be used. For other vehicles, either the most energy-efficient models available are procured, or the CO₂ emissions and energy efficiency are weighted as an assessment criterion for procurement with a combined weight of at least 20%. The participants provide the charging infrastructure necessary for electric vehicles.

Target 2030

The specified criteria are applied to at least 95% of the vehicles procured.

10. Life cycle considerations



When making investment decisions on energy-consumption-related appliances or equipment, appropriate account shall be taken of the total life-cycle costs. Life-cycle costs as defined by ISO standard 20400 are taken to mean not only the acquisition, operation and maintenance costs but also the indirect costs that are passed on to the environment through production, operation and disposal.

Target 2030

At least 50% of acquisitions meet the above requirements.

11. Energy accounting



The participants record their site-related energy consumption at least once a year, on either a building-specific or a facility-specific basis.

Target 2030

At least 80% of site-related energy consumption is recorded on a building- or facility-specific basis.

12. Optimization of operations



The participants conduct continuous operational monitoring and regular operational optimizations (OO) of building technical facilities and check on their success. Frequency of the OO: an energy-efficiency OO is carried out after commissioning, major conversions, etc. If no such events occur, at least once every five years.

Target 2030

At least 80% of the energy consumption of building technical facilities is subject to the regular OO.

13. Energy-efficient data centres (DCs)



The participants apply best-practice standards to their data centres including their infrastructure. Cooling solutions without refrigeration machines are promoted and, where possible, surplus waste heat is used. In existing DCs with conventional cooling, the cold aisle temperature in the IT system room is at least 27° C. Furthermore, if IT infrastructure is outsourced, energy efficiency is taken into account when evaluating bids.

Target 2030

The average PUE across all in-house data centres and outsourced IT infrastructure is a maximum of 1.3.

14. Data Center Infrastructure Management (DCIM)



Data Centre Infrastructure Management (DCIM) systems are used to collect data from the various sectors of a data centre in a structured manner. This enables the data centre to be monitored, analysed and controlled centrally and optimization measures to be planned. The participants evaluate and test DCIM tools.

Target 2030

The DCIM tool is used for energy-efficiency optimization in at least one sub-sector of a data centre.

15. Data centre consolidation



If possible, the participants will abolish decentralized server rooms if they are operated less efficiently than their large data centres. Elimination is achieved, for example, by integrating them into the centralized data centres.

Target 2030

At least 50% of possible decentralized server rooms will be abolished.

3 Reporting and communication

Final energy consumption, the CO₂ emissions and the targets achieved by the participants will be published annually online. The secretariat ensures basic communication on the Initiative with a focus on the target groups of the public sector and Swiss companies. The participants explicitly refer to the Initiative in their own communication.

Exemplary Energy and Climate

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