



Action plan County of Blekinge, Sweden



Action plan Enerselves Energy Agency of Southeast Sweden

Enerselves project, Policy instruments for energy self-consumption in buildings, have the aims to:

Promote new policies or improve existing policies to support the integration of renewable energy into buildings for self-consumption financed by the Structural Funds and other EC instruments.

Design policies to promote only those renewable energies for self-consumption technologies with greater benefits in each region.

Support the integration of RES in buildings

Produced by each region, the action plan is a document providing details on how the lessons learnt from the cooperation will be exploited to improve the policy instrument tackled within our region. It specifies the nature of the actions to be implemented, their timeframe, the players involved, the costs and funding sources.

In Sweden, geothermal energy for heat and solar cells for electricity generation is generally the most profitable alternative for own energy production for self-consumption in buildings. In a more large-scale perspective, biofuel is the best solution for district heating. The use of geo-energy is currently common in Sweden and we therefore see that the action plan should focus on measures that stimulate investments in solar energy production and storage. In the agricultural industry, we also see a potential for biogas production of heat and/or electricity for agricultural buildings. A strong wish from our stakeholders is also to build a platform for knowledge sharing and for the development of joint learning projects.

General information

Project: Enerselves

Partner organisation: Energy Agency for southeast Sweden

Country: Sweden

NUTS2 region: Skåne och Blekinge

Contact person: Göran Gustavsson

Email address: goran.gustavsson@energikontorsydost.se

Phone number: +46 (0)70 921 60 54

Part II – Policy context

The Action Plan aims to impact:

- Investment for Growth and Jobs programme
- European Territorial Cooperation programme
- Other regional development policy instrument

Name of the policy instrument addressed: ROP Regional Operational Program for Skåne Blekinge, part Hållbar tillväxt koldioxidsnål ekonomi (Sustainable growth – low-carbon economy). Priority 3 Sustainable growth – low-carbon economy with 15,9 M€.

ESS will improve the objectives in these policy instrument through one action, according this action plan.

Part III – Details of the actions envisaged

ACTION 1: Development of a platform to enhance a cooperation network to promote new energy projects in buildings.

Background:

An important driving force for this action was the presentation at the 6th Interregional Event at the Ministry for Gozo (Malta) on 16 May 2018, with the headline “Shared Knowledge for Energy Renovation in buildings by Public Administrations”. The speaker presented a project with the overall objective to reinforce the capacities of public administrations at regional and sub-regional level so as to improve the energy efficiency in their public buildings’ stock and reduce CO2 emissions. Parts of this concept was transferred to this action in Blekinge. At the same event was a presentation with the headline “New finance for energy efficiency measures in public buildings”. It concerned a project with financing issues of building renovations. Another focus area in this project concerned better energy management by local training sessions. It was the topic with most interest for the Swedish stakeholders and with importance for the set-up of the project in this action.

The experience gained from stakeholders is that there is currently no platform for knowledge building and exchange of experience between major property owners in Blekinge. The stakeholder meeting in Enerselves have shown us that there is a need to meet regularly to exchange experiences. Among other, we organised a stakeholder meeting on May 8 2018 in the city of Karlshamn, in the framework of ENERSELVES, where one important topic for the day concerned the establishment of a network about energy in buildings in Blekinge. Other stakeholder meeting we have organised, some of them in collaboration with other partners, have also partly had the purpose to discuss the establishment of such a platform. Thanks to meetings and other in the framework of ENERSELVES, the decision for an application could be taken. Many stakeholders also find it difficult to apply for contributions from the ERDF low carbon economy fund. Through a platform we can find new ideas and develop new common learning and demonstration projects. We can also work together with financing and applications from ERDF or other funding resources. Funding of projects is an important issue and it is interesting to compare with financing opportunities in the other Enerselves regions. Our stakeholders that joined us during the exchange experience in the interregional events have seen differences between how the ERDF funding is used in different countries. A conclusion is that we need to get better in Sweden to use ERDF for more construction related projects and production of renewable energy.

The action has relevance to the policy instrument, since it will influence the content. The project promoted will be funded by the OP. The budget for the project will be appr 250 000 Euro. It will partly (appr 45%) be funded through ERDF. It means that ERDF will finance appr EURO 110 000.

The policy instrument is the Regional Operational Program, which is the basis for the use of ERDF in the region. 15 % of the ERDF were allocated to “Support the transition to a low-carbon economy in all sectors. The Policy Instrument has a broad approach to the goal to decrease CO₂-emissions and the transition to low-carbon economy. The specific objectives of the Priority 3 “Sustainable growth – low-carbon economy” are

- Reduced climate impact through SMEs increasing their use of renewable energy sources while becoming more energyefficient.
- Reduced climate impact through the public and housing sectors increasing their use of renewable energy sources while becoming more energyefficient.

This application has a focus on a critical area with large potential and is for that reason supposed to be more efficient. The possibility to influence the impact of the policy instrument will increase in a way to focus on energy-efficient actions in buildings, by the help of this action.

The University of Blekinge has research in renewable energy linked to transport. A development towards cooperation with property owners and research focused on renewable energy in buildings would be desirable. There is also an energy cluster in the county of companies that offer energy-efficient solutions for both energy efficiency and renewable energy production. We would like to enhance more cooperation to achieve a result with sustainable and energy smart buildings.

Action

Step 1. June 2018 - February 2019

Do a preliminary study on how to build a platform for collaboration on energy issues in buildings, mapping of which areas are interesting to work with for stakeholders in Blekinge.

Step 2 Make an application to the Regional Fund to run a network / platform during the period of 2019 - 2021. The purpose of the network is to build skills on smart buildings and own energy production among property owners and suppliers, to support information about funding opportunities, to develop and run various learning projects and to take joint project applications. Here under is a more in-depth description of the project.

A regional collaboration platform will be built up for continuous exchange of experience and competence building with a focus on sustainable and low carbon buildings and the role of the building in the energy system. The platform will work with knowledge raising, development of guidelines and methods, case studies on new technologies, material selection, energy efficiency, digitalisation, own energy production and storage in buildings.

Initially, focus will be on cooperation on public property actors, universities and other regional knowledge resources. The platform will gradually be developed to, in addition, also invite private actors into the platform. The platform will contribute to stimulate knowledge building and project development in the county of Blekinge with the aim to contribute to the global sustainability goals - Agenda 2030 for sustainable development.

The aim of this project is to strengthen skills and working methods in the real estate sector linked to:

- Goal 7 Sustainable energy for everyone. Ensure access to economically affordable, reliable, sustainable and modern energy for everyone.
- Objective 13 Combating climate change. Take immediate action to combat climate change and its consequences.

The project will also contribute to achieve local and regional climate objectives, as well as the EU directive on buildings energy performance. The project will contribute to provide the conditions for a functioning market with skilled clients, designers, contractors and suppliers of energy-efficient and sustainable buildings with increased use of renewable energy. The project will both contribute to obtaining low carbon buildings in the county and to strengthen the business development opportunities in the construction and energy sector.

Within the framework of the platform, meetings for exchange of experience, training and study visits will be arranged. Within the platform there are also various temporary work groups that are formed, which should, for example, work with the development of sustainable building guidelines, LCC in planning and procurement or increased knowledge of effective storage alternatives. The focus of the work groups' work will change over time, but it will be within the framework of the project's two focus areas. One aim of the platform is to gradually develop demonstration facilities for new technologies and create the conditions for developing joint projects. The consequence is increased regional research activities on low-carbon constructions and society.

The action will contribute to

- Establish of a regional platform for the build-up of structure for continuous exchange of experience with a focus on learning
- Establish forms for an exchange of experience with other corresponding regional platforms in Sweden
- increase competence in sustainable and low-carbon buildings, both among public and private actors in the construction sector

- create the conditions for exchange of experience between public actors, but also for exchanges with industry players in the construction and energy sector.
- increase the public sector's ability to impose climate and energy requirements in the process of public procurement
- increase public sector opportunities to plan and work with sustainable buildings during renovation and new construction. In this way, the project will contribute to buildings to become flexible / designed for longer use and it will be easier to disassemble and reuse materials when renovating and demolishing. The buildings will also contribute to an improved indoor environment and that chemical-smart material choices are made.
- more public actors systematically use LCC analyses for technology choices linked to sustainable and energy-smart buildings
- more public players invest in their own production of renewable energy and increase the share of renewable energy in their energy use.
- more public actors are investing in efficient and smart storage of energy, both in terms of individual buildings and in cooperation in e.g. a block of buildings.
- Promote new energy projects in buildings as a result of discussions during the life-time of the project.

Players involved

Energy Agency for southeast Sweden coordinating the platform. Active partners in a platform will be municipalities and municipal housing companies, Blekinge University of Technology, Netport Energy cluster and Region Blekinge. Other public estate owners and energy companies will be invited to the platform. Private estate companies and companies within the energy sector will be invited to educations and to participate in new projects.

Timeframe

Step 1. Preliminary study June - December 2018, reporting and application latest February 2019

Step 2. Work with developing and managing the platform 2019 - 2021 if the application is granted.

Costs

The budget for step 1 is EURO 18 000.

Funding sources

Step 1 is financed 50 % ERDF and 50 % from Region Blekinge development fund.

The budget for the project will be appr 250 000 Euro. It will partly (appr 45%) be funded through ERDF. It means that ERDF will finance appr EURO 110 000. The second biggest part of the project is financed by the Region of Blekinge.

Signatures:

The partner responsible for drafting
the ENERSELVES regional action
plan of Blekinge county:

CEO Christel Liljegren

Date: 2019-05-29

The Head of the Managing authority of the Regional Operational
program of Skåne-Blekinge 2014 –
2020 confirming acknowledgement
of the current action plan:

Mr Henrik Berven

Date: 2019-05-27