



Climate City Contract 2030

BETWEEN THE MUNICIPALITY OF UPPSALA, FOUR SWEDISH GOVERNMENT AGENCIES: THE SWEDISH ENERGY AGENCY, VINNOVA, FORMAS AND THE SWEDISH AGENCY FOR ECONOMIC AND REGIONAL GROWTH, AND THE STRATEGIC INNOVATION PROGRAMME VIABLE CITIES

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Viable Cities is a strategic innovation programme in Sweden. The mission of the programme is to accelerate the transition to climate-neutral and sustainable cities by 2030, with digitalisation and citizen engagement as enablers. It is jointly funded by Vinnova, the Swedish Energy Agency and Formas.

1 The purpose of the Climate City Contract 2030

The aim of this Climate City Contract is to speed up the climate change and energy transition in cities within the framework of the 2030 Agenda for Sustainable Development and at the same time contribute to the recovery of the Swedish economy in the wake of the Coronavirus pandemic. The Climate City Contract expresses the parties' intention to raise their ambition in sustainable urban development and climate change and energy transition. The Climate City Contract also provides Sweden and Swedish cities good preconditions to be international forerunners in cities' climate change and energy transition. This is to be achieved by means of mutual and long-term commitments on the efforts of the signatory central government authorities and the municipal government as follows.

2 Parties

The parties to the Climate City Contract 2030 are:

Municipality of Uppsala.

Swedish Governmental Authorities: The Swedish Energy Agency (Energimyndigheten), the Swedish Agency for Innovation Systems (Vinnova), and the Swedish Research Council for Sustainable Development (Formas), the Swedish Agency for Economic and Regional Growth (Tillväxtverket).

The strategic innovation programme, Viable Cities.

3 Municipal commitments

3.1 Municipality's climate goals and targets

Uppsala's climate goals and targets, which were adopted in the Municipal Council in 2015, entails that Uppsala will be a fossil-free welfare municipality by 2030 and climate positive by 2050. This means that:

- The goal for the emissions of greenhouse gases from the consumption of energy, transport and machinery within the geographical boundaries of Uppsala Municipality should be close to zero by 2030 and be based on renewable sources of energy.
- The total greenhouse gas emissions shall:
 - o by no later than 2040 at the latest, will be close to zero, i.e. will have decreased by approximately 90%.
 - o by no later than 2050 at the latest, will have decreased by the equivalent of more than 100%.
 - o by no later than 2070 at the latest, will have decreased by the equivalent of more than 110%.

In the Goal and Budget 2021 with the plan for 2022-2023, there is a mandate to increase the pace of the climate change and energy transition so that the reduction of greenhouse gas emissions in Uppsala from 2021 will be 10-14% each year until 2030. The environmental impact of the municipi-

pal government's own activities must be reduced while the Municipality is making efforts to achieve an impact among all of Uppsala's local residents and companies.

3.2 Strategy

Uppsala Municipality's strategic efforts in the field of climate change can be summarised in the following principles:

1. Necessary climate goals and targets for Uppsala as a community in line with the science
2. Deployment of collaborative platforms with stakeholders in all sectors of the community
3. Each area of operations within the Uppsala Municipality Group is responsible for the climate change and energy transition in its field of activity
4. Mobilisation of the inhabitants of the municipality for joint ownership of the transformation
5. Focus on system changes and the role of the municipal government for system shifts

The municipal government undertakes to:

- implement concrete investments in solutions to achieve system shifts that can be implemented by 2030
- establish preconditions for a major transformation of the society to enable system shifts in the longer term that ensure a climate-positive Uppsala 2050.

3.3 Governance

Uppsala Municipality today shows a clear leadership in the field of climate change. In order to accelerate the climate change and energy transition to the extent required, the municipality needs to develop the preconditions for system shifts within its own organisation and at the societal level.

The municipal government undertakes to:

- accelerate the pace of the climate change and energy transition and integrate the work in the field of climate change into the responsibility of all municipal activities. This includes integrating follow-up monitoring, analysis and modelling of climate impacts into all relevant decision-making processes.
- develop the Uppsala Municipal Group's capacity for system changes and system shifts, and methods for monitoring the municipal government's leadership and working methods.
- develop and apply policy and financial instruments for climate neutrality/climate positivity in the development of the city and infrastructure investments, with a particular focus on the Uppsala Package, a project to connect Uppsala and Stockholm via a new railway station, new routes for the public transportation, and new housing in the suburbs.
- develop a platform for innovation in the South-eastern areas of the city and identify other geographical built-up areas where the Municipality takes the lead in developing test beds for system innovation.
- include a system perspective on innovation for climate change and energy transition in the Municipality's ongoing work to gear up the internal innovation efforts.

3.4 Interaction and cooperative efforts with the business community, academia and citizens/civil society

Uppsala Municipality has been actively working in the climate change collaboration platform Uppsala Climate Protocol since 2010, which includes representatives from the business community, the academic community, governmental activities and the civil society. There is excellent institutional infrastructure for innovation via Uppsala University, SLU, STUNS and Uppsala Innovation Centre (UIC). Efforts to mobilise the inhabitants of the municipality for the climate change and energy transition are ongoing, but need to be strengthened.

The municipal government undertakes to:

- contribute to increasing Uppsala Climate Protocol's innovation capacity in conjunction with other parties within the Climate Protocol.
- include the growth potential in the change over the climate change and energy transition in the work on business development.
- in collaboration with STUNS, Uppsala University, SLU and other relevant parties, develop test beds for system innovation, as well as collaboration organisations and methods to support them, in designated geographical areas. There needs to be a strong focus on testing and implementing new solutions in planning, development and construction, in both existing buildings as well as in newly developed areas with new construction.
- develop methods and ways of working to mobilise the inhabitants of the municipality and the civil society for a common ownership of the climate change and energy transition. Methods for mobilising citizens and organisations at the geographical sub-area level, such as neighbourhoods, urban areas and rural areas, are to be explored.

3.5 Climate change investment plan/climate city deficit/financing

In the work with the Uppsala Climate Roadmap, Uppsala Municipality has begun to identify a number of important system shifts and larger remedial measures which need to be developed and priced. In connection with this, methods for risk assessment linked to long-term transformation need to be developed and the socio-economic benefits described.

The municipal government undertakes to:

- within the framework of a joint development project (see section 4.3) develop a climate change investment plan

3.6 Digital support for the climate change and energy transition

Uppsala Municipality works with a number of digital tools to support planning and implementing the climate change and energy transition.

The municipal government undertakes to:

- over the course of 2021, evaluate the existing digital tools for the purpose of ensuring that the right tools are used in the continued implementation.
- in the measures relating to innovation and test beds, promote in conjunction with partners the introduction of digital solutions in the eight specified focus areas.

3.7 Regional Innovation Lab for climate-neutral municipalities

Uppsala Municipality has ongoing regional efforts in innovation collaborations. Uppsala Municipality sees opportunities to develop collaborative activities with Enköping for the purpose of establishing an innovation node of an ecosystem character for climate-neutral municipalities on the path to climate positivity.

The municipal government undertakes to:

- engage in a dialogue with Enköping concerning cooperation on the development of the regional efforts in innovation collaborations.
- in collaboration with regional parties such as STUNS, Uppsala University, SLU, and Uppsala Innovation Centre, efforts are being made to develop the Uppsala Package into an internationally leading innovation test bed for climate neutrality system shifts on the path to climate positivity.
- make systematic efforts to understand how innovations at the system level can be tested, including pace, scaling up/industrialisation, managing and allocating risk and profits, and managing conflicting goals.

4 The Viable Cities programme's commitments

The Viable Cities innovation programme is being implemented in a broad collaboration, to assist with the transformation to climate-neutral cities in 2030 as part of the Swedish commitment to meet the goals of the 2030 Agenda for Sustainable Development and the Paris Agreement. This includes being international pioneers in the cities transition to the future.

Viable Cities works with a wide range of parties across scientific disciplines, industries and sectors of the society. It connects excellent research environments with large and small companies in a range of industries, as well as governmental activities and civil society organisations.

Within the framework of the role of Viable Cities as a strategic innovation programme, the programme works to promote:

- 4.1** Better rules. Viable Cities intends to create a support with expertise with associated policy labs, for the purpose of providing the Municipality a better overview of current and upcoming Swedish and European legislation, rules and standards relevant to the cities' climate change and energy transition. This includes process support for changes in legislation, regulations, and standards to facilitate climate change and energy transition in reality.
- 4.2** Innovations. So as to make it easier for the Municipality to implement innovations that accelerate the climate change and energy transition, Viable Cities will provide competence networks and process support, including by involving other strategic innovation programs in the further development of the Climate City Contract 2030, particularly in the areas of mobility, energy, the built environment, the circular economy and digitalisation.

- 4.3** Coordinated funding. Viable Cities will support the Municipality's needs for financing for the climate change and energy transition and promoting cooperation and synergy between governmental authorities funding of the climate change and energy transition and sustainable development of cities:
- 4.3.1** Viable Cities will implement an invitation for applications near the end of 2020/early 2021 with the aim of financing continued work on the Climate City Contract 2030. The Municipality is welcome to seek support for participation in the development of mission-driven efforts in the field of climate change.
- 4.3.2** Viable Cities collaborates with the Swedish Agency for Economic and Regional Growth as the managing authority of the European Regional Development Fund in Sweden and the efforts earmarked for sustainable urban development in order to establish synergies with the Climate City Contract 2030.
- 4.3.3** Via the Rådet för Hållbara Städer/Sustainable Cities Council, Viable Cities has commenced a collaboration to create synergies between the central government's authorities/agencies' contributions to the cities climate change and energy transition and Climate City Contract 2030. The governmental authorities intend to expand the coordination concerning the various initiatives and efforts underway in the field of sustainable urban development, see 5.3 Coordinated funding.
- 4.3.4** Viable Cities is cooperating with the Swedish local government funding agency Kommuninvest and the European Investment Bank (EIB) with the aim of developing forms to strengthen the long-term financing of the Municipality's investment plan relating to climate change.
- 4.4** Support for obtaining EU funding. If the Municipality intends to apply for funding from the European Investment Programme for Research and Innovation, Horizon Europe's new financial instruments based on the "Mission 100 Climate Neutral Cities by 2030," Viable Cities will support the work with the application work based on the role and expertise of the programme.

5 Commitments by the governmental authorities

The governmental authorities support the mission-driven work aimed at the transformation to climate-neutral cities by 2030 and provide a framework for collaboration via the Viable Cities strategic innovation programme.

The governmental authorities intend to cooperate on the following developments in 2021 to support the municipalities' climate change and energy transition:

- 5.1** Coordination around lessons learned and legislation and regulations. The governmental authorities intend to develop coordination between the relevant Swedish authorities and establish the preconditions for a proactive dialogue and mission-oriented learning around policy development and upcoming legislation and regulations in the field of sustainable urban development and climate change and energy transition.
- 5.2** Research, innovation and development. Via invitations for applications for funding, the governmental authorities provide funding for development and system innovation.
- 5.3** Coordinated funding. The governmental authorities intend to expand the coordination concerning the various initiatives and efforts underway in the field of sustainable urban development and the climate change and energy transition.
- 5.4** Work on the European Investment Programme for Research and Innovation. The governmental authorities are working in several ways to support Swedish participation in the EU's upcoming investment programme Horizon Europe, including linked to the 2030 climate neutral cities mission.

6 Strategic development projects in 2021

In 2021, the following strategic development projects will be conducted within the Viable Cities Transition Lab in collaboration with other municipalities, with the aim of being able to further develop the contents of the contract during the upcoming revision of the Climate City Contract 2030.

6.1 Interaction and cooperative efforts with the business community, academia, civil society and citizens

The Viable Cities programme and the Municipality are developing forms of collaboration between local parties in order to further develop and realise the ambitions of the Climate City Contract – with particular emphasis on civic engagement.

6.2 Long-term investment plan relating to climate change and socio-economic impacts

The Municipality intends to work together with the Viable Cities programme to develop a climate change investment plan with a 2030 perspective, encompassing both municipal investments as well as the investments that take place outside the municipal sector. The objective of this is to contribute both to the climate change and energy transition and to the recovery of the economy. The investment plan should be able to serve as a basis for discussions on financing investments

relating to climate change. It should also be able to support the local business community policy by highlighting future business opportunities.

6.3 Digital support for climate change and energy transition

Viable Cities and the Municipality are developing forms to use digital tools to facilitate co-creation between parties and guide decisions on investments relating to climate change.

7 Joint work on follow-up reviews, evaluation, updating

Viable Cities and the Municipality agree to conduct follow-up reviews of the Municipality's results within the framework of Climate City Contract 2030 annually. Viable Cities is developing the supporting documents which will form the basis for an annual follow-up review at the municipal and national levels.

8 The Contract

The Parties hereby agree that these joint commitments, as set out and formulated above, shall apply for 2021. The Climate City Contract shall be updated and renewed prior to each new year.

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Stockholm, December 11, 2020

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