

Climate City Contract 2030

Between the Municipality of Järfälla, five Swedish Government Agencies: the Swedish Energy Agency, Vinnova, Formas, the Swedish Agency for Economic and Regional Growth, the Swedish Transport administration, and the strategic innovation programme Viable Cities.

VERSION 2021



Table of Contents

1.	The purpose of Climate City Contract 2030	4
2.	Parties	4
3.	Municipal Commitments	4
3.1.	Municipal Climate Goals	4
3.2.	Strategy	6
3.3.	Organisation and Management	7
3.4.	Collaboration with Industry, Academia and Citizens	8
3.5.	Climate Investment Plan	9
3.6.	Digital Support for Implementation	9
3.7.	Innovation Hub for Climate-Neutral Municipalities	10
3.8.	Climate Adaptation	10
3.9.	Climate-smart Mobility	11
3.10.	Reporting and Follow-up	12
4.	Viable Cities' commitments	12
4.1.	Better regulation	12
4.2.	Innovation	13
4.3.	Coordinated funding	13
4.4.	Backing up applications for EU funding	14
5.	Commitments by the government agencies	14
5.1.	Collaboration on learning and regulations	14
5.2.	Research, innovation and development	14
5.3.	Coordinated funding	15
5.4.	Horizon Europe research and innovation framework programme	15
6.	Strategic development projects 2022	15
6.1.	System demonstrations	15
6.2.	Regional Climate Contracts	16
6.3.	International mission for climate-neutral cities by 2030	16
7.	Joint monitoring, evaluation and updating	17
7.1.	Most Important Updates for the Municipality	17
7.2.	Most Urgent Experiences to Share for the Municipality	18
7.3.	Most important updates regarding Viable Cities	18



7.4. Most important updates regarding government agencies	19
8. The Contract	20
Annexe 1 – links to documents	



1. The purpose of Climate City Contract 2030

The purpose of this Climate City Contract is to accelerate the pace of the climate transition in Swedish cities up to 2030 within the framework of Agenda 2030, while at the same time contribute to the recovery of the Swedish economy from the COVID-19 pandemic. The Climate City Contract states the commitments of the parties to increase the ambition in sustainable urban development and climate transition. The Climate City Contract also provides Sweden and Swedish cities with good preconditions to become international forerunners in the climate transition of cities. This is to be achieved through mutual, long-term commitments on the efforts of the signatory government agencies, the innovation programme Viable Cities and the municipal government in accordance with the following.

2. Parties

The parties to Climate City Contract 2030 are:

- Järfälla Municipality;
- government agencies the Swedish Energy Agency, Sweden's innovation agency Vinnova, the Swedish Government's research council for sustainable development Formas, the Swedish Agency for Economic and Regional Growth, and the Swedish Transport Administration; and
- the Viable Cities strategic innovation programme.

3. Municipal Commitments

3.1. Municipal Climate Goals

Järfälla's overall governing document in the area of sustainability is the overview plan and the environmental plan. These documents contain a number of objectives, measures and key indicators aimed at promoting sustainable development in line with both national and global climate targets.

The main objective of the **overview plan** is to provide the best possible conditions for sustainable development for those living and working in the municipality. Five milestones have been formulated to achieve the overall goal. These milestones mean that Järfälla will offer the following:

1. A varied, experience-rich and characterful environment.
2. Vibrant and rich park, nature and cultural environments.
3. A socio-economically efficient, robust and long-term sustainable infrastructure.
4. The best possible conditions for education, research and industry.



5. An attractive and healthy living environment for all.

During 2021, work began on revising and digitising Järfälla's overview plan. The goal of a climate-neutral municipality will be integrated into the new overview plan and the Agenda 2030 targets will be taken into account throughout the process.

Järfälla's environmental plan manages the ecological dimension and is based on the regionally prioritised environmental goals. The plan includes objectives in reducing climate impact, good build environment, non-toxic life, rich flora and fauna, as well as sustainable consumption and high environmental awareness.

During 2021-2022, Järfälla's environmental plan will be revised with the aim of updating the goals that have already been achieved as well as integrating the municipality's goals within climate neutrality and the new goal area of fresh air. The new environmental plan with current climate targets is expected to be adopted by the Municipal Council in 2022.

In addition to the environmental plan, Järfälla Municipality also has a **climate and energy plan**. The climate and energy plan affects all municipal activities and points out the areas the municipality and its companies must work with to reduce their climate impact. The municipal organisation's share of the emissions is relatively small in relation to the total emissions within the municipality, which is why the climate and energy plan also affects and includes the residents and companies in the municipality. Concrete measures have been designed to clarify responsibilities and demonstrate how administrations and companies can contribute to achieving climate targets.

Goals and measures with bearing in the climate area are also found in a number of other governing documents. A selection is listed below:

- **Waste plan** - developed together with nine other northern municipalities and their joint waste company (SÖRAB). The waste plan contains concrete targets and key figures that are monitored annually. One of the main purposes of the waste plan is to minimise negative environmental and climate impacts associated with waste management.
- **Cycling Plan** – aims to support the design of new urban environments that promote the cycle as a mode of transport. Includes an overall target to increase the proportion of bicycle traffic in total travel from around 5% to 20% by 2030.
- **Walking plan** – aims to standardise a pedestrian-friendly urban environment to contribute to an attractive, safe and sustainable city. The goal of the walking plan is that Järfälla 2030 will be one of the Stockholm region's most pedestrian-friendly municipalities.
- **Action Plan for Climate Neutral Barkarbystaden 2030** – developed within the framework of Climate Neutral Cities in 2030. Includes some forty measures in the areas of energy, sustainable mobility, climate-neutral construction, innovation and interaction, climate adaptation and carbon sinks, with the aim of ensuring the continued development of a Barkarbystad toward the goal of a climate-neutral city. The action plan for Climate Neutral Barkarbystaden has not yet been politically adopted but is up for decision in 2022.



- **Carbon budget** - describes Järfälla's territorial carbon dioxide emissions and describes the emission reductions required for the municipality to contribute to the Paris Agreement's 2-degree target. Järfälla's largest sources of climate-related emissions are transport and construction, and emissions must be reduced by 10-15% per year.
- **Quality programme for Barkarbystaden** - shows how Barkarbystaden's design can contribute to a resource-efficient, innovative and sustainable society. The quality programme for Barkarbystad III contains five different strategies with associated quality and sustainability goals.
- **Wooden house strategy** - aims to show how wooden house construction in Järfälla can increase, which promotes sustainable urban development and contributes to the fulfilment of Järfälla's climate goals.

By re-signing the Climate City Contract 2030, the municipality will be given further opportunities to speed up the transition process.

3.2. Strategy

Based on Järfälla's goals, budget and governing documents, the municipality wants to be at the forefront of smart, innovative and sustainable urban development.

Sustainable development is a priority in Järfälla's budget proposal for 2022. According to the budget, Järfälla will be at the forefront of climate and environmental issues and the municipality will continue to grow at a responsible pace. Provided that the Alliance's goals and budget for 2022 are adopted, a number of budget assignments within sustainable urban development will be carried out in Järfälla municipality. Among other things, the Municipal Director is given the task of increasing green elements in Barkarbystaden by looking into the possibility of constructing quarters with vegetation on facades and greenhouses on roofs. The Municipal Director is also given the task of looking into costs and preparedness for adapting the municipality to a changed climate, as well as investigating possible forms of protection for certain valuable nature areas in Järfälla. Together with the agreed goals and measures in the new environmental plan and climate and energy plan, the municipality is expected to increase its transition efforts further in the coming years.

The environmental management system is the municipality's most important strategic tool for concretising the goals of the environmental plan and working across administration with sustainability issues. All of the municipality's administrations are environmentally certified according to the Swedish Environmental Base standard. All personnel must have completed basic environmental training and the management system is audited annually. Through environmental certification, the municipality works cross-sectorially with environmental and climate goals, and coordinators from each administration meet regularly to discuss challenges and opportunities in the various activities. The municipality also has an environmental strategic group that regularly gathers various competencies in a forum for dialogue and development of the municipality's environmental work. This, too, provides a good basis for comprehensive administrative work and to counteract constrictions.



Vehicles and passenger transport account for the majority of emissions in Järfälla Municipality as a geographical area. To reduce emissions from transport, the municipality has signed up to extend the metro to Barkarby. Rail traffic for regional trains makes Järfälla a hub and facilitates a transition of the transport system. A municipality-wide traffic strategy is under development and most investments in mobility, walking and cycling are implemented on an ongoing basis.

3.3. Organisation and Management

The Municipal Board is responsible for the general community planning, development and follow-up of set goals, with the support of the municipality's administrations. The municipality's environmental management system provides the opportunity to work across administrative environmental and climate issues and anchor them throughout the organisation. Järfälla's environmental strategic unit handles strategic climate and environmental issues and ensures that the work is anchored in all administrations. The unit is organisationally located under the administration of the Municipal Board, which provides good opportunities to contribute as a support function and integrate the climate issue into planning processes, procurements and community building projects that require sustainability expertise.

Järfälla works actively with digitalisation and innovation, and has established an innovation department and an innovation committee with the aim of accelerating and anchoring both digitalisation and the use of new technology in municipal operations.

There is a good political foundation and a willingness to push sustainability issues forward. A special committee for environment and social sustainability has been established under the Municipal Board in Järfälla. The committee is to ensure a long-term approach to sustainability and has a key role to play in the efforts needed to achieve both ecological and social sustainability in the municipality. In addition to this, the Chair of the Municipal Board has supported the Government Offices' plus city concept for increased innovation and sustainability in new districts. The purpose of the initiative is to show the way to the fossil-free welfare society through national expos and a world exhibition in 2030.

Barkarby Science has been formed after an initiative from the municipality, a platform for collaboration between the public sector, academia and industry. The Board consists of the Chair of the Municipal Board and players from industry and the municipal property company. In addition, a letter of intent has been formulated with Södertörn University and KTH. Barkarby Science leads and participates in a number of innovative projects, with the business focusing on four programme areas: the attractive city, the circular city, the climate-smart city and the mobility of the future. Barkarby Science offers a unique arena for working together, innovating, testing and collaborating on sustainable solutions and a new project is currently creating the conditions to use Barkarbystaden as a test bed.

To accelerate the transition work and avoid constrictions, the municipality needs to continue developing cross-sectoral cooperation, both within its own organisation and also in society. Järfälla is a fast-growing municipality, which creates opportunities to plan for a long-term sustainable city, but it requires resources and joint cooperation to promote synergies and avoid conflicting goals.



Internally, the municipality needs to develop and resource a local transition function / an innovation team with relevant skills to jointly drive climate transition.

3.4. Collaboration with Industry, Academia and Citizens

The municipality collaborates with industry and civil society through a number of functions, such as energy and climate advice, CERO analyses, housing fairs and via the municipal industry company and Barkarby Science. In addition to this, we see an additional need for networks in the climate field, aimed at local companies and organisations in the municipality. The municipality sees value in bringing together, for example, construction operators, property companies, electricity grid owners and other stakeholders in a common climate network to discuss opportunities and remove obstacles that may arise in the development of new city districts. During 2021, the municipality has conducted dialogue meetings with construction operators working in Barkarbystaden to discuss opportunities and challenges in the construction of the climate-neutral city. The dialogue meetings have been rewarding and can well be further developed in the coming years.

Several of the planned packages in the next phase of Climate Neutral Cities 2030 include a broad collaboration between different players. In addition to the municipality, the project group also consists of representatives from various companies, academia and civil society. Within the framework of the project, a collaboration network for tenant-owner associations in Järfälla will be started with the aim of raising knowledge about energy efficiency and renewable energy, while the associations can inspire each other to save both money and emissions by utilising the full potential of their properties. The municipality also sees a need to increase energy efficiency as well in properties in the older stock, where a collaboration platform can facilitate the promotion of knowledge exchange and inspiration.

The possibility of physical meetings and housing fairs has been limited during the pandemic, something that needs to be addressed again when conditions change. Barkarbystaden's Day is a recurring family day and residence fair designed to meet the residents of Barkarbystaden and inspire to a sustainable lifestyle. It is an important meeting place and a forum for dialogue and engagement among the residents. As the city grows, the event can evolve into a larger platform to promote civic engagement and participation. The municipality's democracy work especially highlights children's right to influence and they have worked actively with child hearings in the development of the new waste plan. In addition, the municipality has recently decided to introduce e-proposals under the name "Järfällaförslag", which means that residents can directly submit proposals and collect signatures to raise the proposal politically.

Järfälla Municipality has a wholly owned industry company, Järfälla Näringsliv AB. The industry company is the entrepreneurs' route into the municipality and is an important communication channel and opportunity for new collaborations in, for example, charging infrastructure, energy efficiency and other climate-related issues. The municipality's energy and climate advisory service also establishes good contact with local companies, associations and residents. The energy and climate advisers provide free, impartial energy advice, which promotes energy-efficient homes, more charging points, solar panels and increased knowledge concerning renewable energy.



Järfälla also participates in a large number of regional networks concerning sustainable societal development. Through these areas of collaboration, Järfälla can share its experiences, have access to other municipalities' results and create new forms of collaboration across municipal boundaries. The networks Järfälla participates in that have a bearing in the sustainability area include the County Administrative Board's Environmental and Public Works Council, Fossil-free Sweden, Ressmart, Fossil-free 2030, Storsthlm Energy Office, Climate and Energy Advisory Service, Stockholm FLEX electricity markets and Water Collaboration. Järfälla is also a member of the Climate Municipalities.

To further accelerate climate transition, the municipality sees a need for a climate network or climate agreement aimed at local companies and organisations. By setting up focus groups and bringing together construction operators, property companies, electricity grid owners and other stakeholders, synergies can be exploited and conflicting goals avoided. A foundation for such a network has been laid within the framework of Climate Neutral Barkarbystaden 2030, with the ambition to develop further in the future. Participation in Viable Cities can also extend the cooperation between municipalities.

3.5. Climate Investment Plan

Together with the municipal cooperation organisation Storsthlm and the municipality of Upplands-Bro, Järfälla has been granted funding for the development of a business plan for climate-related investments. The business plan will lead to energy efficiency improvements and the phasing out of fossil fuels, and will be established during 2022.

During 2021-2022, the municipality's ability to carry out cost and emission calculations of planned climate measures will also be studied. By using the Future Proofed Cities digital tool, the municipality can be supported in financial calculations for planned measures. These calculations can serve as a basis for future priorities for climate action.

Järfälla's ambition is to submit an application to the EU call in 2022 *100 Climate-neutral Cities by 2030 - by and for the Citizens*, to obtain additional resources and tools in its climate transition efforts. Funds for environmental and climate-related measures are also regularly sought in other calls, for example from the Swedish Transport Administration for surface water solutions, construction of pedestrian and cycling routes, and other measures promoting a sustainable transport system.

3.6. Digital Support for Implementation

An important part of Järfälla's climate transition is digital follow-up support. The municipality's existing tool for monitoring environmental goals is the Environmental Barometer, in which the development of each indicator can be followed over time. Open digital tools give transparency and enable residents' involvement and participation, which is positive from a climate transition perspective. The municipality is also investigating the possibility of implementing a tool for climate calculation and visualisation, and is positive about the development that is taking place in the area.



In addition to the Environmental Barometer, Järfälla Municipality uses a number of other digital tools to support planning, follow-up and implementation of climate-related goals and measures. During 2021, Järfälla participated in the One Planet City Challenge (OPCC) and then reported statistics and climate data to a standardised data platform led by CDP and ICLEI. A common, standardised data platform enables long-term follow-up and comparison.

Recently, extensive work began on digitising Järfälla's overview plan. The purpose of digitalisation is to create accessibility and interaction and ensure that the plan is updated and current in a rapidly growing municipality. The municipality's administrations work with constant improvements regarding digital tools for community planning and there is a will to develop a similar digital twin in Gothenburg. By making the city visible through computer game-like forms, you can reach a wider target group and engage younger people in a consultation before a new detailed plan, for example.

One future development area is to collect and synchronise the digital tools where possible, to avoid similar information being found on several platforms and create clarity both internally and externally.

3.7. Innovation Hub for Climate-Neutral Municipalities

Being involved in both regional and national networks and sharing innovation and disseminating knowledge and results is a prerequisite for achieving climate neutrality by 2030.

As mentioned earlier, the municipality is a partner in the company Barkarby Science and the municipality sees the company as an important innovation platform for sustainable, innovative solutions. Barkarby Science is part of a network of other innovation nodes in Stockholm County, known as NODE. Within the framework of that network and other innovation nodes in the county, such as digital demo and Electricity, Järfälla Municipality sees opportunities to jointly pursue innovative solutions for climate transition at a regional level. NOD includes Södertälje Science Park, Flemingsbergs Science Park, Kista Science City, Stockholm Science Park, Barkarby Science and Stockholm Business Region. The municipality also participates in a regional innovation network that is under construction, which includes municipalities in the county. The focus of this network is leadership, cultural change and sustainable structures for transition management.

Through Viable Cities, Järfälla Municipality has been given the opportunity to participate in the development project Accelerera's educational initiatives in innovation management. The municipality has carried out a situation analysis to measure digital maturity and innovation management ability, and a number of relevant competencies in Järfälla have been selected to participate in Accelerera's innovation training to streamline the ability to collaborate and lead complex projects.

3.8. Climate Adaptation

In the current overview plan, the municipality's ecosystem services and green blue values have been given a great deal of space. A green-blue structure integrates green areas and surface water



management with urban development and leads to better conditions for managing future climate change. To manage the surface water in Barkarbystaden, a multifunctional park, Kyrkparken, has been developed. Kyrkparken's facility consists of several ponds, in which water is both purified, delayed and stored while being led away from the park area. Kyrkparken was designed to fulfil several functions, both from a climate adaptation perspective and also to promote recreation and social interaction.

An overall climate and vulnerability analysis has been carried out, which indicated the measures that the municipality should prioritise to ensure a resilient society. Some measures have been initiated, such as establishing information material aimed at the municipality's residents to increase knowledge about climate change and how property owners can take preventive measures. Järfälla also runs the Vinnova-financed project SVIKT (Smart plants in the service of climate). The project will test and develop new, cost-effective and scalable methods for the absorption of carbon dioxide and the purification of contaminated soil. Järfälla municipality has also been granted funding from the County Administrative Board to produce information material aimed at residents and property owners in Järfälla municipality, with the aim of increasing their knowledge and preparedness for extreme weather events.

To meet future climate change, the climate adaptation perspective needs to be raised and integrated even more clearly into the community planning process. New technologies for surface water management and carbon dioxide storage can be tested, while natural ecosystem services and existing green areas are preserved where possible. In the municipality's proposed budget for 2022, the Municipal Director has been assigned the task of studying the cost and readiness to transition the municipality to a changed climate. The study will focus on heat waves, floods and lack of drinking water, and will be complemented by MSB directives and guidance.

3.9. Climate-smart Mobility

Järfälla is a pioneering municipality in smart mobility and innovation. Through a unique collaboration between the municipality, SL, Nobina, KTH and Barkarby Science, new technology, public transport and infrastructure have been developed and integrated. Autonomous buses are on the road in Barkarbystaden and in 2020, Sweden's first electric BRT line will be launched, which traffics Akalla - Barkarbystaden until the metro is completed. In addition, the Travis application has been implemented in Barkarbystaden, a MaaS solution that gathers multiple travel options in one app.

To reduce emissions from transport, the municipality has signed up to extend the metro to Barkarby. Rail traffic for regional trains makes Järfälla a hub and facilitates a transition of the transport system. The municipality has also procured a logistics solution to reduce the number of construction transports into Barkarbystaden.

Within the framework of Climate Neutral Järfälla 2030, a work package is planned that tests a new way of conducting travel habits surveys. By analysing mobile phone movements in the transport system, you can create a more complete picture of the total transport movements to selected destination points. These statistics also enable changes in transport volumes, choice of vehicles and associated emissions to be measured over time and form the foundation for planning and



implementing new mobility houses, hubs or various public transport solutions to reduce the use of motor vehicles.

Transport is the single largest source of emissions in Järfälla Municipality and therefore investments in sustainable community planning, electrification, walking and cycling need to be continuously implemented and developed.

3.10. Reporting and Follow-up

The goals and indicators that are linked to the municipality's environmental-related governing documents are followed up annually in connection with the director's report and the annual report. In order to promote good transparency and enable residents and other stakeholders to follow Järfälla's environmental development, all statistics are presented at <http://miljolaget.jarfalla.se/>.

During 2021, Järfälla participated in the One Planet City Challenge (OPCC) and then reported statistics and climate data to an international data platform led by CDP and ICLEI. By reporting climate data, the municipality can receive feedback and suggestions for improvement measures. A common, standardised data platform also enables long-term follow-up and comparison, and the municipality is committed to continuing this reporting.

Järfälla is also looking into the possibility of using additional tools for monitoring climate-related measures that have been decided, to enable concrete emission and economic calculations. A digitalisation of the municipality's carbon budget is also planned to further make it more visible and easier to follow up.

4. Viable Cities' commitments

The innovation programme Viable Cities is implemented in a broad collaboration in order to contribute to the transition to climate-neutral cities by 2030 as Sweden's commitments to meet the sustainable development goals (SDGs) of Agenda 2030 and the aims of the Paris Agreement. This includes being international pioneers of climate transition in cities.

Viable Cities works with a wide range of stakeholders across disciplinary boundaries, industries and societal sectors. The programme connects centres of research excellence with large, small and medium-sized enterprises in a range of industries, as well as with public-sector and civil society organisations. Viable Cities works with 23 Swedish cities and five government agencies who make commitments in and drive the development of Climate City Contract 2030 and facilitate collaboration between the parties.

Within the framework of Viable Cities' strategic innovation role, the programme shall strive to achieve the following:

4.1. Better regulation

Viable Cities intends to create competence support with policy labs to provide the municipality with a better overview of current and proposed Swedish and European legislation, regulation and



standards of relevance to the cities' climate transition. This includes process support for changing regulations and standards to facilitate the climate transition in practice. In the initial phase, this will be linked to work to develop system demonstrators (cf. Section 6).

A further ambition is to contribute to the Swedish Government's commission of inquiry Experimental Activities in Municipalities and Regions¹, among other things with the intention of facilitating climate transition.

4.2. Innovation

In order to make it easier for the municipality to implement innovations that can accelerate the pace of climate transition, Viable Cities will provide a competence network and process support, including by engaging other strategic innovation programmes in the ongoing development of Climate City Contract 2030, particularly in the areas of mobility, energy, built environment, the circular economy, health and digitalisation.

Based on the collaboration agreement on climate-smart mobility signed with the strategic innovation programme Drive Sweden, this area of collaboration will be further developed with both cities and government agencies, not least the Swedish Transport Administration.

4.3. Coordinated funding

Viable Cities will work in the following ways to support the needs of the municipality for funding the climate transition and to promote collaboration and synergies between government agencies and other stakeholders that fund climate transition and sustainable urban development.

- Viable Cities shall continue to work with Climate City Contract 2030 with the 23 cities and five government agencies involved in the programme.
- Viable Cities shall collaborate with the Swedish Agency for Economic and Regional Growth as the administrative authority for the European Regional Development Fund (ERDF) in Sweden on initiatives in the area of sustainable urban development in order to create synergies with Climate City Contract 2030.
- Through the Council for Sustainable Cities, Viable Cities has launched a collaboration to create synergies between urban climate transition grants from government agencies and Climate City Contract 2030. The agencies are currently working to coordinate the various initiatives underway in the field of sustainable urban development, cf. Section 5.3 Coordinated funding.
- Viable Cities collaborates with Kommuninvest and the European Investment Bank (EIB) among others in order to develop forms for strengthening the long-term funding of municipal climate investment plans.

¹ [Committee of inquiry directive on the Government Offices of Sweden website](#) [in Swedish]



- Viable Cities continues to work to develop forms for urban climate investment plans in collaboration with the cities of Malmö, Uppsala and Umeå, which act as learning cases.

4.4. Backing up applications for EU funding

If the municipality intends to apply for European Union funding from the European research and innovation programme Horizon Europe's new financial instrument connected to the mission of 100 Climate-Neutral and Smart Cities by 2030, Viable Cities will support the application based on the programme's role and competence.

This may, for example, involve efforts related to the European Climate City Contract or European Structural and Investment Funds, as well as specific investments relating to sustainable urban development. Viable Cities cooperates closely with the support structures built up around the EU's mission 100 Climate-Neutral and Smart Cities by 2030, both the NetZeroCities platform and a network of national nodes that may start operating during 2022.

5. Commitments by the government agencies

The government agencies shall contribute to the mission-driven work to transition to climate-neutral cities by 2030 and provide a framework for collaboration through the strategic innovation programme Viable Cities.

The agencies undertake to continue joint efforts to support the municipality's climate transition in the following areas.

5.1. Collaboration on learning and regulations

It is the intention of the government agencies to create the conditions for proactive dialogue and learning regarding policy development and existing and proposed regulations on sustainable urban development and climate transition.

This work shall be based on the needs of the municipality and be conducted in the agencies' joint working group and in dialogue with the involved cities. The agencies shall participate in the strategic development work described in Section 6.

5.2. Research, innovation and development

Through open calls and other forms of investment, government agencies shall provide funding for research, development and system innovation to support accelerated climate transition.

Support from government agencies is targeted at various types of research, innovation, practical application and demonstration. Support shall also be provided in other forms, such as procurement and needs-owner networks.



5.3. Coordinated funding

The government agencies shall continuously develop the forms of coordination of the various investments underway in the field of sustainable urban development and climate transition.

Development takes place, inter alia, through strategic innovation programmes, the national research programmes for climate and sustainable social planning, the Council for Sustainable Cities, the European Regional Development Fund, and through joint communication via hallbarstad.se.

Government agencies also participate in the development of climate investment plans.

5.4. Horizon Europe research and innovation framework programme

The government agencies shall actively support Swedish participation in Horizon Europe 2021–2027; for example, through advocacy regarding the design of calls and activities, as well as providing information and advice to stakeholders planning to participate in applications for Horizon Europe funding. Also within the scope of this work is the European Commission's recent initiative the New European Bauhaus and the EU mission Climate-Neutral and Smart Cities. The agencies shall also participate in the partnership Driving Urban Transitions to a Sustainable Future, where calls and other activities in the field of sustainable urban development will be taking place over the coming years.

6. Strategic development projects 2022

The following strategic development projects will be conducted within the framework of Viable Cities during 2022: Transition Lab in collaboration with all 23 municipalities and five government agencies, with the aim of further developing the content of Climate City Contract 2030.

The work to develop climate investment plans, citizen engagement and digitalisation and digital tools conducted during 2021 will be continued as a horizontal part of development work during 2022.

6.1. System demonstrations

In collaboration with the involved government agencies, Viable Cities shall develop a new form of initiative to drive systems innovation for transformation in line with the mission of achieving climate-neutral cities by 2030. A system demonstration is a controlled method for testing sustainable systems transition consisting of a combination of innovative solutions in a real-world environment – and with consideration for the context in which it is intended to function.

This involves working with multiple levers of change (business models, regulation, forms of governance, behaviour, technology, etc.) based on a specific geographical environment or defined challenge area, in order to learn and build a portfolio of interventions that help to learn and change real-world systems. This is always with the aim of accelerating the climate transition in cities and co-benefits from climate transition such as improved health, more jobs and new business opportunities.



It is, not least, a matter of mobilising investment and creating opportunities to scale up and disseminate the measures that prove effective in making the climate transition happen. During 2022, the work of developing system demonstrators will take place on different levels and within various frameworks: climate-neutral Swedish cities by 2030, European collaborations, and the open innovation competition the Climate Smart Cities Challenge.

6.2. Regional Climate Contracts

During 2022, based on the work so far on Climate City Contract 2030, Viable Cities has a separate government assignment via the Swedish Energy Agency to provide support for necessary innovation in the field of sustainable urban and societal development in the regions Norrbotten and Västerbotten. This support is targeted at the municipalities in the northernmost regions of Sweden that are affected by major industrial establishments and expansions, and is intended to support the work of the Swedish Government's national coordinator for societal transition in Norrbotten and Västerbotten Counties.

It is also the ambition that this work to further develop Climate City Contract 2030 at a regional level will lead to new forms of collaboration that may be interesting to implement in other Swedish regions. In addition, Viable Cities, together with participating cities and government agencies, is keen to contribute to the ongoing government commission that is preparing analyses and proposals for the Government's forthcoming climate policy action plan for 2023. This includes the assignment regarding local and regional climate action plans assigned to the County Administrative Board of Uppsala with support from the Swedish Energy Agency and Swedish Environmental Protection Agency, as well as parallel assignments to Transport Analysis regarding climate impact in the transport sector and the Swedish Agency for Growth Policy Analysis on the development of trade and industry.

6.3. International mission for climate-neutral cities by 2030

In October 2021, the EU launched five missions as a new and innovative approach to working together to improve the lives of people in Europe and beyond. The five missions are intended to tackle major societal challenges such as health, climate and the environment and to formulate ambitious goals and deliver solutions by 2030. One of these missions is 100 Climate-Neutral and Smart Cities by 2030 – by and for the citizens, an important element of the delivery of the European Green Deal and a climate-neutral continent by 2050. This will considerably strengthen the Swedish efforts to achieve climate-neutral cities by 2030 and to utilise Climate City Contract 2030 as a tool to do so.

During 2022, work will be done to further strengthen links between Swedish and joint European efforts to achieve climate-neutral cities by 2030. This will take place within a range of initiatives involving cities, government agencies and the Viable Cities programme; for example, NetZeroCities (a platform for the implementation of the EU mission that will be developing an EU Climate City Contract), the Driving Urban Transition partnership and New European Bauhaus.



Launched by the European Commission in January 2021, the New European Bauhaus initiative connects the European Green Deal to our built environment. In the implementation plan for the 100 Climate-Neutral and Smart Cities mission, the European Commission highlights that the EU Climate City Contract will also enable participating cities to integrate and promote the values and the principles of the New European Bauhaus initiative in their climate-neutral plan. The Swedish National Board of Housing, Building and Planning (through the Council for Sustainable Cities) has been tasked by the Government with coordinating Swedish work on New European Bauhaus.

Work on achieving climate-neutral cities by 2030 will continue to be developed globally, primarily in collaboration with UN-Habitat and the open innovation competition Climate Smart Cities Challenge, in which a long line of Swedish government agencies and other stakeholders are involved.

7. Joint monitoring, evaluation and updating

Viable Cities and the municipality agree to conduct an annual review of the municipality's results within the framework of Climate City Contract 2030. Viable Cities shall prepare documentation for an annual monitoring at municipal and national levels.

7.1. Most Important Updates for the Municipality

Since the first version of the Climate City Contract was signed in December 2020, work on securing support for the target of climate neutrality has intensified. The municipality's environmental plan is being revised with new goals in the climate area, with expected adoption in early 2022. The overview plan is also being revised and digitised. The goal of a climate-neutral municipality will be integrated into the new overview plan and the Agenda 2030 targets will be taken into account throughout the process.

In 2021, the municipality also adopted a wooden building strategy. The wooden building strategy aims to increase the use of wood and other innovative, climate-smart materials, at the same time as the municipality's internal competence in wooden construction increases. When allocating land in Järfälla, the municipality makes demands that the building must at least achieve the Miljöbyggnad (environmental building) silver standard or equivalent, and for future constructions, the possibility of certifying these according to NollCO₂ has been looked into.

A climate action plan has been developed in the framework of climate-neutral Barkarbystaden 2030, with concrete measures for how Barkarbystaden can contribute to the goal of a climate-neutral city. The action plan will be up for a decision in early 2022 and will also be taken as a governing document for further work done in the proposed budget.



7.2. Most Urgent Experiences to Share for the Municipality

The project Climate Neutral Barkarbystaden 2030 has resulted in several important lessons. An electricity effect survey was carried out with the help of E.ON, for Barkarbystaden, which illustrated Barkarbystaden's future power needs based on three scenarios. The survey highlighted the importance of reducing energy demand through energy-efficient buildings, utilising already available resources in the form of residual flows and adding new ones in the form of renewable and recycled items to reduce the risk of future power shortages. The project has also carried out studies on climate-neutral construction, innovation, collaboration and carbon storage, with the aim of highlighting and concretising what is required to contribute to the goal of a climate-neutral city.

All results and lessons learned from the project are collected in *Action plan for climate-neutral Barkarbystaden*, which goes up for decision in early 2022.

Järfälla municipality also drives the CERO project, where several large employers in Järfälla work together to reduce emissions from employees' commuting and business trips. During the year, the project's five partners have been increased to six, which creates good conditions for further reducing greenhouse gas emissions. Discussions are also being held with Arla about possible mobility solutions in connection with their major establishment in Kallhäll. Establishing contact and a good cooperation with industry in the municipality is crucial for reducing greenhouse gas emissions and working together toward both local and global climate targets.

7.3. Most important updates regarding Viable Cities

As of 1 October 2021, Viable Cities' effort regarding climate-neutral cities by 2030 has increased from 9 to 23 cities. Between them, the involved municipalities contain 40% of the Swedish population.

During the year, extensive work has been done to further develop Climate City Contract 2030 and the transition efforts of the cities. This has taken place in three areas: citizen engagement, digitalisation and digital tools, and climate investment plans. The involved cities and government agencies and a long line of stakeholders from the business community, academia, the public sector and civil society have been involved in all three development areas. In each of the areas, this work has resulted in publications² containing recommendations for continued work on the part of both the cities and government agencies and the Viable Cities programme.

In October 2021, the EU launched five missions³ as a new and innovative approach to working together to improve the lives of people in Europe and beyond, including 100 Climate-Neutral and Smart Cities by 2030. This mission is in line with Sweden's work to implement Climate City Contract 2030 as an underpinning process. In conjunction with the launch, the European Commission published a plan for the implementation of the 100 Climate-Neutral and Smart Cities mission, including a platform for implementation called NetZeroCities to which Viable Cities is a party,

² Cf. link to publications at viablecities.se/revidering2021

³ Cf. [Communication from the Commission on European Missions](#) September 2021



including responsibility for contributing to the development of a climate contract at EU level. In November, the open innovation competition Climate Smart City Challenge was launched in collaboration with UN-Habitat and a range of government agencies and other stakeholders.

7.4. Most important updates regarding government agencies

During the year, government agencies have appointed an interagency innovation team tasked with the continuous development and monitoring of the agencies' commitments to Climate City Contract 2030. This innovation team consists of a working group and a management group with representatives from each agency. Together with Viable Cities' programme office, the innovation team has worked to coordinate and develop working methods, including through workshops designed to increase understanding of the needs of municipalities for mission-oriented and sustainable systemic innovation linked to Climate City Contract 2030. Agency representatives have also participated in the strategic development projects for digitalisation and digital tools, citizen engagement, and climate investment plans as members of steering committees and reference groups, as well as taking part in workshops to develop system demonstrations. From December 2021, the Swedish Transport Administration is also a signatory to Climate City Contract 2030.

Through the Council for Sustainable Cities, a pilot study has been conducted of municipalities' funding and knowledge-support needs. This pilot study will form the basis for the continued development of coordinated funding and knowledge support. The agencies have also assisted in the Swedish National Board of Housing, Building and Planning's government assignment to coordinate New European Bauhaus.

In addition to the Viable Cities call, government agencies have also undertaken various activities and calls within the framework of their individual assignments in order to contribute to the commitments in Climate City Contract 2030; for example, targeted calls for attractive, sustainable living environments, rural and regional development, the climate adaption of built environments, the climate benefits of resource efficiency, blue innovation and AI in the service of the climate. The municipalities that signed Climate City Contract 2030 in 2020 have been able to take advantage of innovation management support and work has begun to develop an offer regarding work on system demonstrations.

Government agencies have worked to influence the design of calls and activities within the framework of Horizon Europe 2021–2027. The agencies also worked actively and proactively to support the Government Offices of Sweden in its role representing Sweden on the Horizon Europe Programme Committee for Cluster 5: Climate, Energy and Mobility, as well as Sweden's work on the temporary working group appointed by the European Commission for the 100 Climate-Neutral and Smart Cities mission. Agencies have also contributed information and advice to the target groups of calls.



8. The Contract

The parties agree that their joint commitments as formulated above shall apply for 2022. The first version of Climate City Contract 2030 was signed in 2020. The Contract shall be updated and renewed prior to each new year.

Climate City Contract 2030

Between the Municipality of Järfälla, five Government Agencies: the Swedish Energy Agency, Vinnova, Formas, the Swedish Agency for Economic and Regional Growth, the Swedish Transport administration, and the strategic innovation programme Viable Cities.

Stockholm 2021-12-08 The parties agree on the joint commitments, as formulated in the municipality of Järfälla's revised Climate Contract 2030. The contract has been prepared within the framework of Viable Cities' Climate Neutral Cities 2030 initiative. The signing will take place during European Viable Cities Day on 8 December 2021.

Emma Feldman
Mayor,
the Municipality of Järfälla

Olga Kordas
Programme director,
Viable Cities

Robert Andrén
Director General,
the Swedish Energy Agency

Darja Isaksson
Director General,
Vinnova

Ingrid Petersson
Director General,
Formas

Gunilla Nordlöf
Director General,
the Swedish Agency for Economic
and Regional Growth

Lena Erixon
Director General,
the Swedish Transport
Administration



Annexe 1 – links to documents

Below are links to the most relevant documents in relation to the Climate City Contract 2030 for Järfälla Municipality.

Links to relevant documents

[Järfälla kommuns klimatkontrakt 2030 \(version 2020\)](#)

[Översiktsplan för Järfälla kommun](#)

[Miljöplan 2022-2030 \(remissversion\)](#)

[Miljöplan 2016-2024](#)

[Klimat- och energiplan](#)

[Trähusstrategi](#)