

Climate City Contract 2030

Between Nacka Municipality and the government agencies the Swedish Energy Agency, Vinnova, Formas, the Swedish Agency for Economic and Regional Growth, the Swedish Transport Administration, the Swedish Environmental Protection Agency and Viable Cities.

VERSION 2022



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1. Purpose of the Climate City Contract 2030

The purpose of this Climate City Contract is to accelerate the pace of the climate transition in cities within the framework of the 2030 Agenda, while contributing to the recovery of the Swedish economy in the wake of the coronavirus pandemic. The Climate City Contract expresses the partners' intention to raise the level of ambition in sustainable urban development and climate transition. The Climate City Contract also provides Sweden and Swedish cities with a good foundation to be international role models for climate transition in cities. This will be achieved through mutual, long-term commitment to efforts on the part of the undersigned government agencies, the Viable Cities innovation programme, and the city/municipal authority as set out below.

2. Parties

Parties in the Climate City Contract 2030 are:

- Nacka Municipality.
- The government agencies: The Swedish Energy Agency, Vinnova, Formas, the Swedish Agency for Economic and Regional Growth, the Swedish Transport Administration and the Swedish Environmental Protection Agency.
- The Viable Cities strategic innovation programme.¹

3. Municipal commitments

Nacka Municipality shall intensify efforts both to stop the rising average temperatures and to reduce the burden on the environment. Urban development in Nacka shall be a lever for the transition to a more climate-smart society. Part of this work is our involvement in Viable Cities – Climate Neutral Cities 2.0, which takes its starting point in central Nacka and has the project name Climate-neutral Nacka 2030. Nacka Municipality intends to:

- use, further develop and disseminate insights gained from the Climate-neutral Nacka 2030 initiative, both within and outside of the municipality
- identify and develop the Municipality's working methods and transition ability in order to achieve the climate goals

¹ Viable Cities is a strategic innovation programme funded jointly by the Swedish Energy Agency, Vinnova and Formas. The programme runs 2017–2030 and has approximately 130 members. The host organization is KTH Royal Institute of Technology.



- continue to work in partnership with business and other parties to think outside of the box and be climate smart in its ongoing urban development
- make it easier for the residents of Nacka to make climate-smart choices in their everyday lives and strive to involve the residents of Nacka in efforts to transition to a climate-neutral Nacka
- endeavour to further develop climate work in the operations and raise the level of knowledge and understanding within the municipal group about what produces climate emissions and what the operations can do to reduce their climate impact
- phase out fossil energy entirely within its own operation
- allocate land in such a way that house-building where the climate impact is lowest, both in construction and operation, is a determining factor
- clarify governance of the Municipality's long-term environmental and climate work and help achieve the goals in our steering documents.

3.1. Municipal climate goals

In 2016, Nacka Municipality adopted a local Environment Programme with indicators and goal levels for tracking progress on the Municipality's climate goals up to 2030. The Environment Programme includes six environmental goals that are a priority for achieving attractive living environments throughout Nacka. The programme makes it clear that the Municipality shall help to reduce global climate impact by reducing its direct and indirect greenhouse gas emissions.

3.2. Strategy

The goals and budget are the main steering documents for the Municipality. The goals and budget for 2023–2025 show that the aim is to achieve strong, green growth in Nacka that is sustainable in the long term. Nacka Municipality shall intensify efforts both to stop the rising average temperatures and to reduce the burden on the environment. Urban development in Nacka shall be a lever for the transition to a more climate-smart society. In addition to the goals and budget, there are several other steering documents such as the Environment Programme, Nacka's Comprehensive Plan, and its strategy for environmental and climate ambitions in urban development, which contribute to the Municipality's long-term work.

3.3. Organization and management

In 2020, the Municipal Council decided to implement the 2030 Agenda. All committees, units and municipal companies will be involved in the work to meet the goals and create a sustainable Nacka in the long term. The Municipal Executive Board has overall responsibility for the Municipality's environmental and climate work. Decisions on matters relating to the Municipality's overall environmental and climate work are chiefly made by the Municipal Executive Board's environmental committee.



3.4. Collaboration with business, academia and citizens

Achieving the goals of a fossil-free and climate-neutral Nacka calls for new collaborations and innovations. The Municipality wants to pave the way for collaboration with business, academia and citizens. Together with construction operators within Centrala Nacka marknadsbolag AB, the Municipality has developed the Naturban concept, which is working towards the 'proximity and naturban' vision, where nature and urban life interact in new ways and flourish together. The aim is to create the foundation for quality of life and growing power in Sweden's first 'naturban' district, close to everything you need.

The Municipality also participates in various networks to increase efforts towards the climate transition, such as Stockholm Green Innovation District and the Nacka Klimatnätverk network for business leaders. The Municipality's involvement in Viable Cities and the Climate-neutral cities 2.0 initiative adds another forum for collaboration. Together with the project consortium in Climate-neutral Nacka 2030, the Municipality aims to explore and analyse through collaboration how the urban development process can be organized and guided to pave the way for sustainable urban development. The goal is to develop and implement effective new working methods that help develop smart solutions to make it easier for the residents of Nacka to make climate-smart choices in their everyday lives.

Municipal company Nacka vatten och avfall AB actively works with citizens to reduce volumes of waste. The Municipality's energy and climate advice service gives citizens, companies and housing cooperative associations information and advice on how they can help reduce their climate impact. For the Municipality to make it easier for the residents of Nacka to make climate-smart choices in their everyday lives and raise awareness among citizens in the best possible way, it needs to evolve how it maintains contact with the residents of Nacka.

3.5. Climate Investment Plan

Nacka will begin to prepare a Climate Investment Plan taking central Nacka as its point of departure within the framework of the Climate-neutral Nacka 2030 project. The work will be based on the carbon dioxide budget and the action plans for waste and fossil-free transport, as well as the Municipality's green bonds.

3.6. Digital support for implementation

The Municipality is currently monitoring progress on the local environmental goals in the environmental barometer, where the respective indicators can be tracked over time. The Municipality also intends to compile and visualize other environment and climate-related development through the environmental barometer in order to keep the work more coherent. A digital carbon dioxide budget has been developed that



shows the Municipality's emission levels and the decrease in emissions required to comply with the Paris Agreement.

An Agenda-2030 module has been implemented in the Municipality's goal and results management tool, Stratsys, to plan and monitor the sustainability work. The digital comparison tool Jämföraren provides support to the residents of Nacka when choosing various service providers. The tool shows various quality metrics. The environment and sustainability shall be added as a parameter to clarify the service providers' work in this area.

3.7. Innovation hub for climate-neutral municipalities

We are facing huge environmental and climate challenges. Nacka intends to actively work with other players through collaborations to spread innovative ideas regarding working methods and smart solutions. The extensive urban development taking place in Nacka creates opportunities to test innovative new solutions. Organizations and companies that are driving the climate transition are invited to take part in the transition work. Nacka Municipality wants to play an active role in creating various innovation hubs. Our shared work through Viable Cities, taking central Nacka as the starting point, is one such innovation hub for municipalities that want to accelerate the climate transition. Another hub is the collaboration within Stockholm Green Innovation District that is focusing on urban development in the Sickla district.

3.8. Climate adaptation

To mitigate the consequences of a changed climate and to develop Nacka's proactive, systematic climate adaptation work, in May 2022 the Municipal Council decided on a climate adaptation programme. The programme provides an overall picture of the risks associated with a changed climate in Nacka municipality, and contains priority measures linked to the risks of torrential rain, increasing temperatures, rising sea levels and biological diversity, which are currently deemed to be the biggest climate-related risks for the community of Nacka. Nacka Municipality aims to integrate adaptation to the future climate into all planning and implementation.

3.9. Climate-smart mobility

One of the key measures for achieving the goals in the Environment Programme is making travel more sustainable. Nacka Municipality's strategy for mobility states that the Municipality shall have a traffic system in which all types of vehicle are coordinated in a sustainable, functioning way. One of the Municipality's biggest mobility initiatives is the extension of the metro system to Nacka with a connecting bus terminal and new intersections. In view of the growing population and increased pressure on the transport system, the Municipality needs to take a concerted approach to developing both a sustainable system and efforts to change behaviour. A plan shall



be drawn up in 2023 with concrete measures to promote and facilitate cycling, with the aim of 25% of work journeys being carried out entirely or partly by bike.

3.10. Reporting and follow-up

Every year the environmental goal indicators are monitored by the Municipal Executive Board and reported in the Municipality's annual report. The indicators are evaluated annually and can be revised as necessary. An Agenda-2030 module has been implemented in the Municipality's goal and results management tool, Stratsys, to plan and monitor the sustainability work. Work on the Climate-neutral Nacka 2030 initiative is scheduled to be reported on annually in a status report submitted to the Municipal Executive Board.

In 2022, work began on mapping the environmental impact of Nacka Municipality's own operations using the methodology in the Greenhouse Gas (GHG) Protocol. The aim of this work is to give the Municipality a better overview of all its emissions and which measures it will need to focus on in future to achieve the set climate goals.

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 part of Sweden's commitment to meet the Sustainable Development Goals (SDGs) of the 2030 Agenda and the aims of the Paris Agreement. This includes being international role models for 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 organizations.

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 (see Section 6).



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 digitalization. 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 municipality's funding needs for 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.
- 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 under way in the field of sustainable urban development, see 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.

Viable Cities continues to develop forms for climate investment plans for cities, the aim being to support all cities in their efforts towards climate neutrality by 2030.

4.4. Cooperation with the EU Cities Mission

Viable Cities cooperates closely with the support structures built up around the EU's Cities Mission – including the NetZeroCities platform (an EU mission platform), CapaCITIES (a network of national nodes), and the Driving Urban Transitions (DUT) Partnership programme.



5. Commitments by the government agencies

The government agencies commit to collaborating within the strategic innovation programme Viable Cities. The agencies thereby contribute to the purpose of the mission-led work to transition to climate-neutral cities by 2030 with a good life for all within planetary boundaries.

Climate City Contract 2030 means that new working methods need to be developed, both between different actors and organizations, and between different levels of governance.

During 2023, the agencies will continue to develop work in the interagency innovation team. Continued dialogue with cities and regions is important in order to capture needs and contribute to systems transition. This work entails active participation in the Transition Lab Forum facilitated by Viable Cities, in which joint workshops, reflective discussions and teaching seminars are important aspects. New working methods may also entail that government agencies initiate experiments and pilot projects.

The agencies undertake to continue joint efforts to support the municipalities' climate transition in the following areas in 2023:

5.1. A learning approach in policy development

The government agencies work together to create the conditions for proactive dialogue and learning regarding policy development, and existing and proposed regulations on sustainable urban development and climate transition.

During 2023, the agencies will explore and test forms, such as policy labs, for identifying obstacles and challenges in policy and regulations for sustainable urban development and climate transition.

The agencies will continue to contribute to activities that promote the development of climate investment plans, digitalization and data sharing, system demonstrators and collaboration processes that relate to multi-level governance.

During Sweden's EU Presidency in the first half of 2023, the government agencies will be involved in several of the 150 or so EU meetings to be held in Sweden. The meetings are forums for learning and policy development, and cities and regions are important participants. Planned discussions include the EU's urban agenda on sustainable urban development and a conference on Green Cities.



5.2. Funding for research, innovation and development

The government agencies fund initiatives for research, innovation, development and systems innovation that support accelerated climate transition.

The agencies' funding focuses on different types of research, innovation, application and demonstration, and to some extent investment support. Funding is provided through open calls and other forms, such as client networks, needs-owner networks and innovation procurement.

As part of the transition process, the agencies² and Viable Cities have launched an initiative on urban system demonstrators. During autumn 2022, an initial 'design phase' was carried out as part of the initiative. A follow-up call will be made in 2023. The purpose of the effort is to create a form of initiative that takes a clearer systems perspective to the transition process.

5.3. Coordinated funding

To create better foresight and centralized information, the government agencies continuously develop coordination of the various efforts under way in the field of sustainable urban development and climate transition. Development takes place within the framework of several of the agencies' existing tasks and assignments, such as the Council for Sustainable Cities, strategic innovation programmes, the national research programmes for climate and sustainable community building, as well as the European Regional Development Fund.

During 2022, the agencies have begun initial tests with some of the cities, in order to develop, in dialogue, a method for portfolio analysis of the agencies' collective funding for cities. The innovation work is planned to continue in 2023. The long-term goal is for the work to contribute to work on cities' climate investment plans.

Hallbarstad.se is the Council for Sustainable Cities central website. Development work on the website will continue in 2023, partly to publicize upcoming funding opportunities, and partly to make it clearer and more user-friendly.

5.4. Participation in European initiatives for sustainable cities

The government agencies are involved in and work with several different European initiatives to support the development of sustainable cities and communities.

Work to support Swedish participation in the Horizon Europe 2021–2027 research programme includes contributing to the design of calls and activities, and informing and advising actors planning to take part in applications for different European efforts.

² Vinnova



The government agencies also collaborate in the execution of the EU's Regional Development Fund 2021–2027 with efforts for sustainable urban development.

The agencies will continue to collaborate in the Driving Urban Transitions to a Sustainable Future Partnership³, where there will be calls and other activities in the field of sustainable urban development in the years to come, as well as the European Commission's New European Bauhaus⁴ initiative, the European Urban Initiative (EUI)⁵ and URBACT⁶.

The agencies will also contribute to develop support functions for the cities selected to participate in the Cities Mission. One example is the CapaCITIES⁷ programme. Through CapaCITIES, national change processes are initiated and strengthened to establish national networks and governance structures.

6. Strategic development projects 2023

The following strategic development projects will be conducted within the framework of Viable Cities Transition Lab during 2023 in collaboration with municipalities, with the aim of further developing the content of the Climate City Contract 2030 during its upcoming revision.

6.1. System demonstrations

In collaboration with the involved government agencies, Viable Cities is developing a new form of initiative to drive systems innovation for transformation in line with the Cities Mission. A system demonstrator will be conducted to demonstrate the transition of entire social systems in a real-life environment. An important part of this kind of approach is a portfolio of efforts where new solutions, models, initiatives and experiments are linked to a greater whole. Many actors from different sectors are being mobilized in order to learn how to scale up. The system demonstrators start from central areas in the Climate City Contract 2030 and are intended to contribute to revisions of the contract based on insights arising from the work.

During 2022, Vinnova and Viable Cities have jointly begun a design phase to explore how system demonstrators can be a powerful tool in the transition to climate-neutral

³ The Swedish Energy Agency, Formas and Vinnova

⁴ New European Bauhaus highlights the significance of aesthetic, social and cultural values in the green transition.

⁵ The European Urban Initiative is a hub for sustainable urban development on an EU level. The EUI will offer funding for cities to improve and increase their capacity in designing strategies, policies and projects for sustainable urban development (urban-initiative.eu).

⁶ URBACT is a European collaboration programme for exchange and learning in sustainable urban development, Swedish Agency for Economic and Regional Growth,

⁷ the Swedish Energy Agency and Viable Cities are taking part.



cities. In collaboration with a number of cities, six consortiums began the design phase in autumn 2022. A call is planned during 2023 for the establishment phase, with the ambition of enabling a number of system demonstrators in Sweden. In tandem, four system demonstrators are being planned Bogotá (Colombia), Bristol (UK), Curitiba (Brazil) and Makindye Ssabgabo (Uganda) within the Climate Smart Cities Challenge alongside UN-Habitat. The aim is to strengthen the exchange of experiences between system demonstrators both nationally and internationally in 2023.

6.2. Competitiveness and funding

One of the foundations of mission-oriented innovation is that the state and public organizations at different levels of society play an active role in co-creating and redesigning markets in collaboration with business and other players in society, such as academia and civil society. Concerted mobilization for the transition to climate neutrality can lay the foundation for companies in Sweden to develop new business strategies that enhance competitiveness by driving a transition to a sustainable, climate-neutral society. This is crucial to Sweden's ambition of being the world's first fossil-free welfare nation, and to our climate policy framework. During 2023, Viable Cities will further strengthen its collaboration with business in order to muster forces for transition. This will take place on several levels, particularly through collaboration in initiatives such as Fossil Free Sweden and **The Green Transition Leap**. In addition, there will be development to strengthen the local mobilization of companies in the Climate City Contract 2030.

A central aspect of the Climate City Contract 2030 is to create a Climate Investment Plan with a broad perspective on what investments need to be made to achieve climate transition in a city by 2030 (with broad referring to a wide range of stakeholders such as citizens, civil society, companies, academia and public organizations). The municipality is believed to have control over about 15% of the required investments on average. One crucial task is to bring together the right actors from business (including the financial sector), public bodies and civil society to bring about the necessary investment and redirect financial flows to transition to climate neutrality, while also securing auxiliary benefits from the climate transition such as jobs, improved health, inclusivity and attractive living environments. Procurement is also a pivotal issue here. Viable Cities' work will continue in 2023 in order to secure the mobilization of investments and develop methods for climate investment plans.

6.3. Citizen engagement

Various societal challenges currently exist, adding further crises to the climate crisis. For example the pandemic, the war in Ukraine, crises relating to energy, food, raw materials and critical minerals, biodiversity and demographics. This also presents a demographic challenge where a growing percentage of the population feels excluded.



This increases the need for efforts aiming at inclusivity, and at putting citizens front and centre for the transition to climate neutrality and a sustainable society, for instance through new forms for citizen involvement (e.g. citizens' councils) and the development of attractive living environments (e.g. New European Bauhaus). During 2023, Viable Cities will further develop collaboration with cities, government agencies and other actors in order to create conditions for citizen engagement in the climate transition. This will be done primarily by developing new forms for citizen involvement in local climate city contracts and collaboration with European efforts in the area.

6.4. International Cities Mission 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 (known as the Cities Mission), an important element of the delivery of the European Green Deal and a climate-neutral continent by 2050. This will considerably strengthen Swedish efforts to achieve climate-neutral cities by 2030 and to utilize the Climate City Contract 2030 as a tool to do so.

During 2023, 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 Cities Mission which will be developing e.g. an EU Climate City Contract and climate investment plans), the Driving Urban Transition Partnership, CapaCITIES, New European Bauhaus and others. Launched by the European Commission in January 2021, the New European Bauhaus initiative connects the European Green Deal to our built environment. In its implementation plan for the Cities Mission, the European Commission mentions that the EU's Climate City Contract should enable participating cities to integrate and strengthen the values and principles in the New European Bauhaus initiative in its plans for climate neutrality. 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. This will primarily be based on several already ongoing projects, e.g. linked to Sweden's EU Presidency in the first half of 2023, and the continuation of the Climate Smart Cities Challenge in the four cities outside of the EU in association with UN-Habitat.



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 annual follow-up at municipal and national levels

7.1. Most important updates for the municipality

- Over the past year, Nacka has been preparing to work on the Climate-neutral cities 2.0 initiative with the aim of learning, developing and testing new working methods that contribute to sustainable solutions in ongoing urban development, which in turn contribute to the development of a climate-neutral Nacka.
- The Municipality has drawn up a carbon dioxide budget and started a collaboration with Spacescape to test early climate calculations.
- During the year, Nacka has initiated several new collaborations with, for example, Stockholm and Järfälla with the aim of acting as a system demonstrator to accelerate electrification in the Stockholm region, and with Stockholm Green Innovation District with the aim of being an innovation hub in sustainable urban development.
- Nacka has taken the first step towards a local climate city contract – the Nacka Budget Contract – in partnership with companies in Nacka. The Nacka Budget Contract is initially focusing on measures to increase the proportion of sustainable commuter journeys.
- The municipality has implemented an Agenda-2030 module in the Municipality's results management system, to systemize and clarify monitoring and reporting of the committees' and operations' sustainability work in relation to the Municipality's overall goals.
- The Municipality's goals and budget for 2023–2025 include additional initiatives that can contribute to the aim of a climate-neutral Nacka.

7.2. Most urgent experiences to share for the municipality

Nacka's work within the framework of the Climate-neutral cities 2.0 initiative focuses on the urban development process, with the aim of identifying working methods that better enable and ensure both sustainable production by the city and a sustainable lifestyle. Experiences gained from the work confirm that the development of new working methods requires clear ownership and the involvement of existing operations, processes and projects to have the right conditions to succeed.

Collaborating more with other parties helps to establish a broader perspective, for example, and therefore greater understanding of the bigger picture. This also applies to the issue of the Municipality's internal working methods. During the year, for example, there have been discussions about how land allocations can contribute



to sustainable urban development. To learn more about how requirements and incentive solutions can be structured, and what impact different solutions could have, Nacka has commissioned operators in the construction sector to jointly present their experiences and perspectives and come up with proposals that can inspire the Municipality in its ongoing work. The Municipality also works closely with business on many issues and this collaboration has strengthened in the field of sustainability during the year.

Collaboration also contributes to a better understanding of different parties' circumstances and needs in efforts to achieve climate neutrality. Through our shared responsibilities and the goal of climate neutrality, new forums can be created while existing forums can be used for new purposes. Together we identify synergies and shared goals where the Municipality needs to be an active party. One example is how the municipal waste and water company, Nacka vatten och avfall AB, has initiated a collaboration with Beijer Bygg AB in order to reduce the volume of waste from construction sites. Waste materials from house building are taken care of and processed for further sale by Beijer Bygg AB. In order to promote further innovative collaborations that lead to concrete solutions, the Municipality, in partnership with other players, arranges various sustainability seminars and meetings, and runs various networks.

7.3. Most important updates regarding Viable Cities

During 2022, far-reaching efforts have been made to lay a good foundation for all 23 signatory cities to deepen their work on the Cities Mission, as 14 cities were added in October 2021. The platform for faster learning has been evolved through the Viable Cities Transition Lab Forum, City Labs, Climate Breakfasts and a range of other formats for meetings between cities, government agencies and other actors. The collaboration with the signatory government agencies has been enhanced so as to further hone the Climate City Contract 2030 process. Viable Cities has also provided documentation for the government's task relating to local and regional climate transition, which is one of the foundations for the government's upcoming climate policy action plan.

During the year, efforts to develop practical, research-based tools and methods for climate investment plans have intensified. An initial prototype of a calculation tool has been available to all 23 signatory cities since October. Development of the system demonstrator concept also continued during the year, and in the autumn a design phase for a brand new effort was launched in a partnership between Vinnova and Viable Cities, which involves several cities.

During 2022, Viable Cities has had responsibility for a government assignment, Thriving North (support for innovation work for sustainable urban and community development in Norrbotten and Västerbotten). An initial prototype of a regional climate contract has been developed with a working group of representatives from the regions



and county administrative boards in Västerbotten and Norrbotten. Moreover, a platform for regional societal transition has been initiated in northern Sweden. The platform is called Thriving North, and is now being carried forward by several players in Sweden's four northern regions,

The EU's work on the Cities Mission has been intensified during the year. September 2021 saw the launch of the Cities Mission, one of five EU missions. Cities across Europe were invited to register their interest in becoming forerunners in the transition to climate neutrality. As many as 377 cities applied. In June 2022, 112 cities were chosen to be pioneers in the climate transition, 100 in the EU and 12 in associated nations. These 112 include seven of the Swedish cities that are among the 23 signatories of the Climate City Contract 2030.

Over the past year, the European platform NetZeroCities has begun efforts to support implementation of the Cities Mission within the EU, primarily to facilitate the transition in the 112 cities. Viable Cities is also involved in this work. NetZeroCities is currently designing a Climate City Contract for cities throughout the EU as a tool for accelerated climate transition. Climate investments are an important aspect of this.

Two new complementary initiatives were begun during 2022 to support the Cities Mission in the EU. The first is the Driving Urban Transitions Partnership, in which Viable Cities is taking part together with Swedish organizations Vinnova, the Swedish Energy Agency and Formas. The partnership is a collaboration between national bodies from a large number of nations. The focus is on funding international efforts in three sectors that can help accelerate the climate transition: Positive Energy Districts, Circular Urban Economies and 15-minute City. The other is the CapaCITIES initiative. This EU collaboration aims to facilitate the establishment of national structures to enable climate transition in cities similar to Viable Cities in Sweden and CitiES2030 in Spain.

The Climate Smart Cities Challenge, a global innovation competition, has entered a new phase during the year, and teams of companies and organizations are now working in the four cities outside the EU in association with UN-Habitat.

7.4. Most important updates regarding government agencies

Work in the interagency innovation team

During 2022, the government agencies in the Climate City Contract have continued to develop work in their interagency innovation team. For instance, the team has compiled a summary of the government agencies' various forms of funding and financing instruments, and helped in ensuring that calls related to climate transition and sustainable cities are continually published on the hallbarstad.se website.

The innovation team has participated in Viable Cities Transition Labs, as well as workshops and meetings, in order to learn more about cities' climate investment plans



and the agencies' role in the process. Alongside some of the cities, the innovation team has tested developing support and forms for analysing the government agencies' joint funding (including various research and innovation (R&I) programmes, city environment contracts) over the past five years. The aim in the longer term is that this work should contribute to commitments regarding coordinated funding and the cities' work on planning climate investments.

The government agencies' ongoing work includes many measures and initiatives that are of significance to the cities' work on climate transition. Compiling and providing information about these are important tasks for the government agencies. Below is a selection that relate to the cities in some way.

Funding for research, innovation and development

During the year, the government agencies have announced several calls aiming to facilitate the transition in cities.

Vinnova has worked with Viable Cities to publish a call for a design phase for urban system demonstrators, for instance. A follow-up call will be published in spring 2023. Other examples from Vinnova include Sustainable accessibility across Sweden, on mobility in sparsely populated areas, in association with Drive Sweden and Viable Cities, Civil society's solutions for climate transition, and Innovations to reduce electricity consumption in cooperation with the Swedish Energy Agency.

The Swedish Agency for Economic and Regional Growth has had calls from the European Regional Development Fund: Produce a local strategy for sustainable urban development and Drive a platform for collaboration and experience exchange. The city as a hub for green and digital transition is an initiative within **The Green Transition Leap** which is also financed by the Regional Development Fund. The initiative aims to develop practical new working methods for working with system innovation for local green transition.

Formas has published the call Climate-neutral and inclusive municipalities to increase the capacity and ability of municipalities to accelerate transition work towards climate neutrality which is characterized by social inclusion and equal living conditions. Within the national research programme for sustainable community building, Formas has published a call for Research schools for sustainable community building. The aim of the research schools is to bolster skills and knowledge development, and they are all distinctly interdisciplinary, practically oriented and challenge driven. Several municipalities are included in the research schools. Formas also funds many R&I projects every year in the fields of environment, community building and areal industries in many national and international calls.



In the Swedish Transport Administration's calls for City Environment Contracts, municipalities and regions can apply for funding that leads to a higher proportion of passenger transit by public transport or cycling and sustainable freight solutions.

The Swedish Energy Agency has published calls in the following programmes that are relevant to sustainable cities and communities: Humans, Energy Systems and Society (MESAM), Energy efficiency in cultural heritage buildings, Design for Everyday Energy Efficiency, Transport-Efficient Society and E2B2 (energy-efficient building and living), Graduate School in Energy Systems, and Bio+ (biobased society).

For many years, the Energy Agency has funded client groups and networks to create a platform for close collaboration between business operators and the state, with the aim of reducing energy use in buildings. The Energy Agency also finances the municipal and energy/climate advice service intended for households and private players.

Impact Innovation is the name of the next-generation strategic innovation programme. A call for preparatory projects was opened during the year. One of the three focus areas is Attractive, functioning communities, with cities being a particularly important target group.

On an international level, Formas, the Swedish Energy Agency and Vinnova jointly publish calls for funds enabling bodies active in Sweden to take part in international R&I projects tackling urban challenges in the European Driving Urban Transition (DUT) Partnership. The first call includes 27 nations. On a general level, the partnership addresses issues relating to energy, mobility and use of resources in an urban context.

Government agency work and special government assignments

The Swedish Energy Agency has worked alongside the Swedish Agency for Growth Policy Analysis, Transport Analysis and the Uppsala County Administrative Board to draft supporting documentation for the government's next Climate Action Plan. The assignment regarding local and regional climate transition involved a great many dialogues with municipalities, regions, government agencies, research bodies, business and other relevant players, which form the basis for the barrier analysis, and the proposed means of control or suggested actions that were presented. Many assignments are under way at the Energy Agency related to the electrification strategy, energy efficiency and secure energy supply, as well as the establishment of a national centre for carbon capture and storage (CCS).

The Climate City Contract agencies are also five of the 14 members on the government's Council for Sustainable Cities. In March 2022, the council was given an



extended and modified remit, with more of a focus on working towards the 2030 Agenda's Sustainable Development Goal 11, Sustainable Cities and Communities. Several of the agencies have been involved in the National Board of Housing, Building and Planning's coordination assignment as part of New European Bauhaus (NEB). One example is the call Ideas for future habitats in Kiruna, Gällivare, Boden, Luleå, Skellefteå and Umeå – idea sketches ready in the project *Visioner: i norr – Hållbar Stad* (hallbarstad.se).

The Swedish Transport Agency's knowledge forum – Arena for Transport-Efficient Urban Environment – is part of a government assignment (2019–2022) to carry out communication and knowledge-enhancing measures for the transport sector's transition to fossil freedom. An R&I programme for geofencing, financed by the Swedish Transport Administration and run by Closer at Lindholmen, brings together the necessary players in society, business and academia to jointly develop solutions to promote the use of geofencing in controlling the transport system.

Some of the projects related to the development of systems innovation are Evolved working methods and processes for greater synergies between regional, national and international innovation efforts, Systems innovation in cities (Vinnova), Strengthening the regional work on sustainable development (various government agencies), Contributing to upcoming discussions on the EU's urban agenda (Formas), and Vinnova's initiative to support cities' ability to lead and organize innovation, for instance through the companion researcher network which for nearly ten years has been following the development of the Innovation Platforms for Sustainable Cities initiative, and the *Accelerera* project, which is developing and offering funding for innovation management in municipalities to ISO standard.

New signatory agency

The Swedish Environmental Protection Agency decided to sign the Climate City Contract 2030 in December 2022, and will therefore participate in the process moving forward.

8. The contract

The parties agree that their joint commitments as formulated above shall apply for 2023. The first version of Climate City Contract 2030 was signed in 2020. The Climate City Contract shall be updated and renewed prior to each new year.

Climate City Contract 2030

Between Nacka Municipality and the government agencies the Swedish Energy Agency, Vinnova, Formas, the Swedish Agency for Economic and Regional Growth, the Swedish Transport Administration, the Swedish Environmental Protection Agency and Viable Cities.

Stockholm, 8 December 2022. The parties agree that their joint commitments as formulated above shall apply for 2023. The first version of Climate City Contract 2030 was signed in 2020. The Climate City Contract shall be updated and renewed prior to each new year.

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Appendix 1 – document links

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

[Environment Programme Nacka 2016-2030 \(in Swedish\)](#)

[Nacka Municipality Environmental Goals 2021 \(in Swedish\)](#)

[Goals and Budgets 2023-2025 \(in Swedish\)](#)

[2023-2025 \(nacka.se\)](#)

[Nacka Comprehensive Plan \(in Swedish\)](#)

[oversiktsplan-hogupplost.pdf \(nacka.se\)](#)