

Strategy for green purchase

In construction projects



Background

- Climate challenges are among the greatest challenges we face in our time. The Climate Change Act of 2017 legislates that Norway will reduce greenhouse gas emissions by at least 40 percent by 2030, and in addition to that Norway will become a low-emission society by 2050
- Lillestrøm municipality will have a development that is based on the UN Sustainable Development Goals. Four priority areas have been established for Lillestrøm municipality. Within the focus area of climate and environment are the following goals priority:



Lillestrøm municipality's strategy for green purchasing:

Main goal

- *Sustainable management of natural resources*
- *Help Norway reach its obligations under the Paris Agreement through its purchases.*

Sub-goals for the municipality

1. Promote sustainable use and management of resources through their purchases.
2. Stimulate good circular economy.
3. Reduce the climate footprint in its construction projects.
4. Assess external cooperation and projects aimed at promoting new environmentally friendly technology and solutions.

Sub-goal 1: Promote sustainable use and management of resources through their purchases

This requirement imposes that:

- products
- services
- method of delivery
- production
- disposal

...reduces the environmental impact and promote climate-friendly solutions

Sub-goal 1 - Measures

- A. Use of environment as contract requirements and award criteria
- B. Risk assessment
- C. Management of contracts
- D. Transportation
- E. Food, food loss and waste
- F. Textiles



Sub-goal 1 - Measure A: Use of environment as contract requirements and award criteria

- Relevant and proportionate requirements for environmentally labelled products.
- Relevant and proportionate climate and environmental requirements will be set in the the contract.
- In contracts where it is not suitable to set minimum requirements for climate and the environment, the environment should be used as an award criteria, where it is relevant.
- Suppliers must be required to have relevant environmental certifications.
- Requiring EPD documentation for products and equipment where it is available.
- The use of pollutants in the manufacture of products and equipment purchased by the municipality shall be avoided.

Sub-goal 1 - Measure B: Risk assessment

Lillestrøm municipality prepare an annual procurement plan.
This evaluates the procurements after their potential in climate impact

Sub-goal 1 - Measure C: Management of contracts

- Routines will be made to follow up environmental requirements in the municipality's contracts.
- It will be considered whether it's necessary to introduce separate sanctions for breaches of environmental requirements.

Sub-goal 1 - Measure D: Transportation

- In connection with the fulfilment of the municipality's contracts, it must always be considered to set requirements for, or reward the use of, vehicles with fossil free or emission-free fuel technology. The fuel must be sustainability certified where relevant.
- When purchasing new construction machinery, emission-free fuel technology shall be considered.

Sub-goal 2: The municipality shall stimulate good circular economy through its purchases

- Long lasting products
- Products that can be recycled or reused

Sub-goal 2 - Measures

- A. Renovation and return schemes
- B. Packaging
- C. Reuse
- D. Construction work



Sub-goal 2 - Measure C: Reuse

- The municipality shall look at the possibility of entering into a framework agreement on the delivery of used furniture and other suitable products.

Sub-goal 2 - Measure D: Construction work

- Claim minimum 95 % sorted waste in its construction projects.
- During the strategy period Lillestrøm municipality will work to carry out at least one project with a waste-free construction site.

Sub-goal 3: The municipality shall reduce the climate footprint in its construction projects

Direct emissions from the construction sites must be reduced, and that the municipality must focus on the environmental impact throughout its life cycle, and must build for the future.

Sub-goal 3 - Measures

- A. Early design phase
- B. Material selection and operation
- C. Requirements for construction phase
- D. Requirements for the operational phase



Sub-goal 3 - Measure A: Early phase

- In order to reduce the climate footprint of municipal buildings, before deciding to build new buildings, it should be investigated whether the need can be met through rebuilding or renovation of existing buildings. The report will, among other things, be based on climate accounts.
- All new buildings must take reuse and changing future needs into account
- A practical and dynamic list of climate and environmental requirements shall be prepared for the municipality's construction projects. This list will complete the strategy and help the project manager with the needs assessment.
- Where relevant, the municipality shall consider assign contracts on the basis of a climate footprint.

Sub-goal 3 - Measure B: Choice of materials and operation

- Where this is available, the municipality shall require EPD or equivalent type III eco-label in accordance with ISO 14025 on the materials supplied in construction projects.
- Where relevant and appropriate, it shall be considered to request renewable materials with a low climate footprint in the municipality's construction projects.
- In rehabilitation and rebuilding of its own buildings, the municipality shall attempt to reuse building materials and building parts where possible.
- The municipality shall stimulate increased use of recycled and reused materials and building parts, including recycled steel and asphalt, where possible.

Sub-goal 3 - Measure C: Requirements for construction phase

- For all projects where possible, minimum requirements shall be imposed for the building or construction site to be fossil free.
- The municipality shall increase the use of emission free work and construction machinery in its construction projects.
- In the municipality's construction projects, trench free methods shall be preferred when renovating existing power lines, or when establishing new power lines.
- In its framework agreements on craftsman services, the municipality shall be a driving force for the transition to the use of emission free machines and vehicles.
- When purchasing new buildings, the municipality shall request complete climate accounting and/or LCC analysis, as part of the supplier's contractual obligations.

Sub-goal 4: The municipality shall consider participation in external cooperation and projects aimed at promoting new and innovative environmentally friendly technology and solutions

Cooperation and a common vision among public clients will give a clear signal to the suppliers market, and are a powerful tool for stimulating desired development. National and international cooperation gives the municipality access to important networks and contributes to a comprehensive strategic work across countries and municipalities, competence development in the organisation and increased demand in the market.

Sub-goal 4 - Measure 4: Requirements for the operational phase

- The municipality shall consider the use of alternative climate and eco-friendly energy solutions for its buildings.
- All construction projects must be planned with low life cycle costs in mind, including low energy and maintenance needs during the operational phase.



Sub-goal 4 - Measures:

- During the strategy period Lillestrøm municipality must build on the collaborations that have been established, and work to become a major player in collaborative projects and networks.
- As a partner in Norwegian Trade Organisation, supplier development programme, Lillestrøm municipality will work to develop innovative climate- and environmentally friendly solutions.
- In order to build internal expertise, the municipality shall make use of Viken County Council's advisory service for green purchasing.
- Lillestrøm municipality will participate in relevant pilot projects for the development of new methods and tools that will contribute to achieve the objectives of this strategy.

THANK YOU!